



D7.10 Data Management Plan v3

WP7 – Project Management

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CLARITY Project Overview

Urban areas and transportation infrastructure are highly vulnerable to climate change. Smart use of existing climate intelligence can increase urban resilience and generate added value for businesses and society at large. Based on the results of FP7 (7th Framework Programme) climate change, future internet and crisis preparedness projects (SUDPLAN, ENVIROFI, CRISMA) with an average Technical Readiness LEVEL (TRL) of 4-5 and following an agile and user-centred design process, end-users, purveyors and providers of climate intelligence CLARITY co-create an integrated Climate Services Information System (CSIS) to integrate resilience into urban infrastructure and look into the way to adjust the CSIS to transport infrastructure.

As a result, CLARITY provides an operational eco-system of cloud-based climate services to calculate and present the expected effects of Climate Change (CC)-induced and -amplified hazards at the level of risk, vulnerability and impact functions. CLARITY offers what-if decision support functions to investigate the effects of adaptation measures and risk reduction options in the specific project context and allow the comparison of alternative strategies. Three demonstration cases showcase CLARITY climate services in different climatic, regional, infrastructure and hazard contexts in Italy, Sweden, and Austria; focusing on the planning and implementation of urban infrastructure development projects. A fourth demonstration case in Spain illustrates how the expected effects of CC hazards and risk can be assessed in the case of road transport infrastructure and the flexibility of the CSIS system to adapt to other sectors.

CLARITY provides the practical means to include the effects of CC hazards and possible adaptation and risk management strategies into planning and implementation of such projects, focusing on increasing CC resilience. Decision makers involved in these projects will be empowered to perform climate proof and adaptive planning of adaptation and risk reduction options.

Executive Summary

This report is the third deliverable of Task 7.3 “Data Management” and describes the final Data Management Plan (DMP) for the CLARITY project, funded by the EU’s Horizon 2020 Programme under Grant Agreement number 730355. The purpose of the DMP is to provide an overview of all datasets collected and generated by the project and to define the CLARITY consortium’s data management policy that is used with regard to these datasets. The focus of CLARITY’s final DMP is on the data legacy of the project, that is, datasets made available as open data that can be reused by third parties.

The first CLARITY DMP (deliverable D7.8 [1]) followed the structure of the Horizon 2020 DMP template [2] and reported on the datasets used and produced by the project in a dedicated annex. This initial version defined also the general policy and approach to data management in CLARITY that handles data management related issues on the administrative and technical level. This included for example topics like data and meta-data collection, publication and deposition of open data, the data repository infrastructure and compliance to the Open Access Infrastructure for Research in Europe (OpenAIRE).

The second CLARITY DMP (deliverable D7.9 [3]) is implemented as a “living” DMP based on a dedicated meta-data online catalogue¹ that is continuously updated throughout the course of the project. This online catalogue reflects the status of the data that is collected, processed or generated and following what methodology and standards, whether and how this data will be shared and/or made open, and how it will be curated and preserved.

The third and last CLARITY DMP (this deliverable) provides a complete overview on the datasets used and produced within the project by means of a printable snapshot of the online catalogue (Annex I). It furthermore offers a summary of those datasets produced by CLARITY that are being made available after the project for reuse following the guidelines on FAIR (Findable, Accessible, Interoperable and Reusable) [4].

¹ <https://ckan.myclimateservice.eu/>

1 Introduction

The introduction chapter defines the purpose and scope of the CLARITY DMP as well as its relation to other deliverables and briefly explains the structure of the document.

1.1 Purpose of this document

This document reports on data used and produced by the CLARITY H2020 project. In particular, it puts a special emphasis on CLARITY's data legacy, that is, datasets produced within the context of the project that are made available for long term access and archival as open data in the Zenodo research data repository.

Additionally, it provides an up-to date and printable offline snapshot of CLARITY's "living" Data Management Plan (Figure 1) that is organisationally and technically represented by the CLARITY meta-data online catalogue.

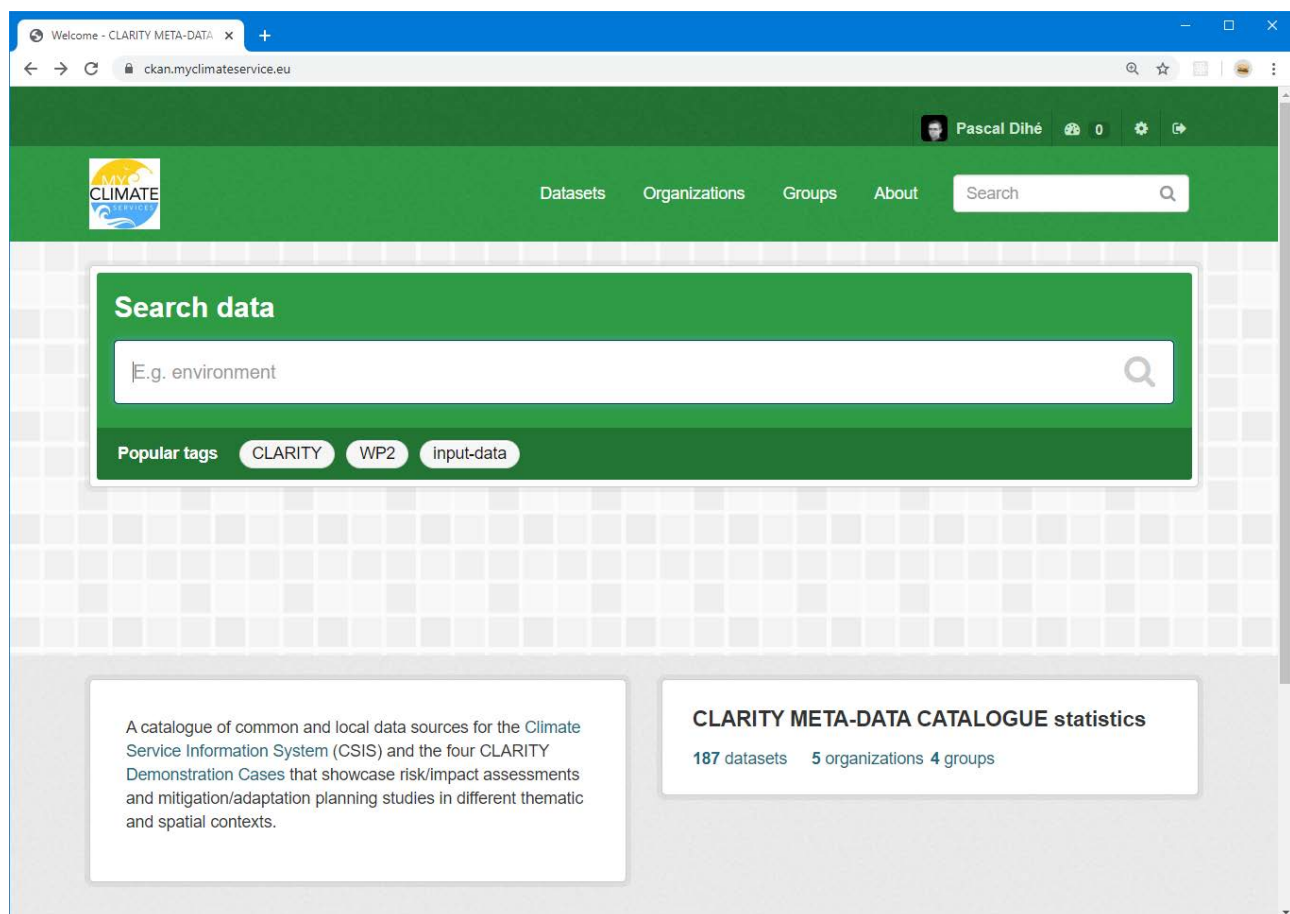


Figure 1: CLARITY CKAN meta-data catalogue (<https://ckan.myclimateservice.eu/>)

1.2 Relation to previous versions of this deliverable

CLARITY's overall DMP is represented by the three incremental DMP deliverables and the online catalogue (Figure 2).

The first CLARITY DMP (deliverable D7.8 [1]) defined CLARITY's general data management policy that has been developed in accordance to Horizon 2020 FAIR principles [2], open data requirements [4] and implementation guidelines [5]. Among others, it defined how data produced within the CLARITY project can be made findable and openly accessible.

It thereby relies on state-of-the-art technical solutions and standards like Digital Object Identifiers, DataCite metadata, the OpenAIRE initiative and the Zenodo research data repository for the implementation of these procedures.

Additionally, it defined the CLARITY data survey template that was used to collect initial information on used and produced datasets according to the requirements of the data management policy and presented the intermediate results of the initial data survey activities in a separate Annex.

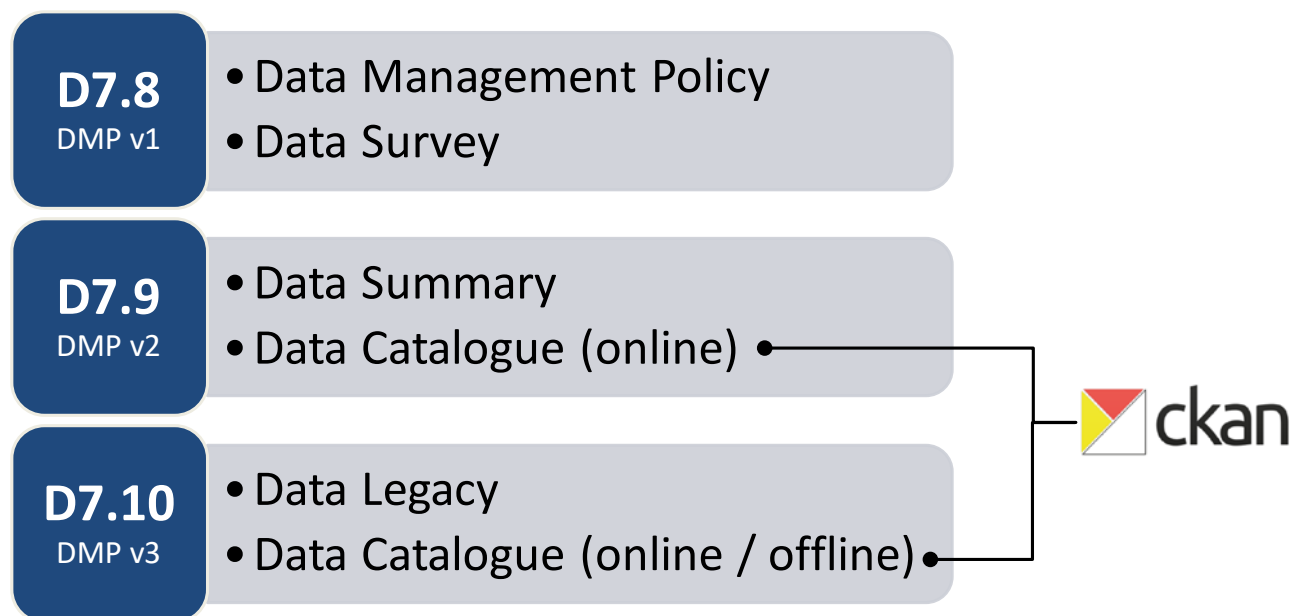


Figure 2: CLARITY DMP Deliverables

The second CLARITY DMP (deliverable D7.9 [3]) established the CLARITY online meta-data catalogue as a “living” DMP that is continuously updated throughout the course of the project and defined a general data management workflow for adding datasets (meta-data) and linking resources (data) in the catalogue. Furthermore, it provided a condensed summary of the catalogue contents (data summary).

The third and final CLARITY DMP (this deliverable) consist of condensed summary of CLARITY’s data legacy and a complete offline snapshot of the CLARITY online catalogue in Annex I.

1.3 Intended audience

The target readers of this document are besides the members of the CLARITY consortium involved in the production and preservation of (open) data are all interested third parties that want to learn about the results of the CLARITY project in terms of (open) data.

1.4 Structure of the document

The structure of the document and the relationships between the different chapters is as follows:

Chapter 1 (this chapter) introduces the document and explains the overall purpose of this document and its relation to previous versions of the DMP.

Chapter 2 lists the documents that were used or referenced in the development of this report and provides a document-specific list of abbreviations.

Chapter 3 summarises the results of the CLARITY data production regarding open data.

Chapter 4 provides the conclusions and a summary on follow-up activities.

Annex I contains detailed meta-data of all datasets used and produced by CLARITY.

2 Reference documents

The following documents were used or referenced in the development of this report:

- D7.8 “Data Management Plan v1”
- D7.9 “Data Management Plan v2”
- CLARITY Grant Agreement and Description of the Actions
- CLARITY Consortium Agreement

2.1 Abbreviations and Glossary

A common glossary of terms for all CLARITY deliverables, as well as a list of abbreviations, can be found in the public document “CLARITY Glossary” available at <http://cat.clarity-h2020.eu/glossary/main>.

Abbreviation/Acronym	Definition
CKAN	Comprehensive Kerbal Archive Network
CLARITY	Integrated Climate Adaptation Service Tools for Improving Resilience Measure
CORDIS	Community Research and Development Information Service
CSIS	CLARITY Climate Services Information System
DC	Demonstration Case
DCAT	Data Catalog Vocabulary
DMP	Data Management Plan
DoA	Description of Action (Annex 1 to the Grant Agreement)
DOI	Digital Object Identifier
EC	European Commission
ESRI	Environmental Systems Research Institute
EU-GL	Non-paper Guidelines for Project Managers: Making vulnerable investments climate resilient (Document)
FAIR	Findable, Accessible, Interoperable and Reusable
GCM	Global Climate Model
GDAL	Geospatial Data Abstraction Library
GeoTIFF	Geographic Tagged Image File Format
GIS	Geospatial Information System
IPCC	Intergovernmental Panel on Climate Change
IPR	Intellectual Property Rights
MRT	Mean Radiant Temperature
NetCDF	Network Common Data Form
OGC	Open Geospatial Consortium
OpenAIRE	Open Access Infrastructure for Research in Europe
OSM	Open Street Map

PET	Potential Evaporation
PMV	Predicted Mean Vote
R&I	Research & Innovation
RCM	Regional Climate Model
RCP	Representative Concentration Pathway
WFS	Web Feature Service
WMS	Web Map Service
WP	Work Package

3 Data Legacy

The data legacy of the CLARITY project comprises all datasets that have been produced by the project and that are subject to long-term preservation in accordance to CLARITY's data management policy and the FAIR-principles (Findable, Accessible, Interoperable, and Re-usable) for open access. Thereby, the following key data management procedures have been put in place:

To make data **findable**, datasets produced by CLARITY

- are described by meta-data following the DataCite² metadata schema which is compatible with the Dublin Core³ metadata standard;
- are assigned search keywords (as part of the meta-data) to optimise possibilities for re-use;
- are identifiable and locatable by means of a persistent Uniform Resource Locator (URI) and, to make content easily and uniquely citable, by a Digital Object Identifier (DOI);
- use naming conventions that include e.g. the version, timestamp, RCP, variables, etc. of the data;
- make use of DOI versioning which allows for updating a dataset after it has been published and to cite either a specific version of a dataset or all versions of a dataset (Figure 3); and
- are automatically indexed in OpenAIRE and thus directly linked to CLARITY results in CORDIS⁴.

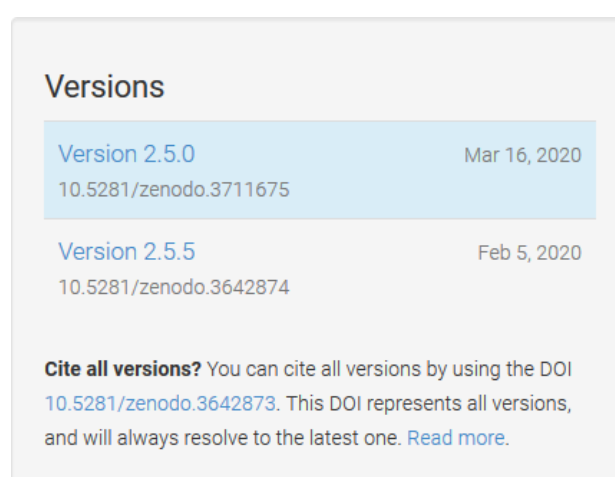


Figure 3: DOI versioning

To make data **openly accessible**, datasets produced by CLARITY

- are made openly available as default (open-data);⁵
- are equipped with well-described conditions for access, in particular a machine-readable license conformant with the principles of the Open Definition⁶; and
- are deposited for long-term archival in the Zenodo⁷ open access repository (Figure 4) at <https://zenodo.org/communities/clarity/>.

² <https://schema.datacite.org/>

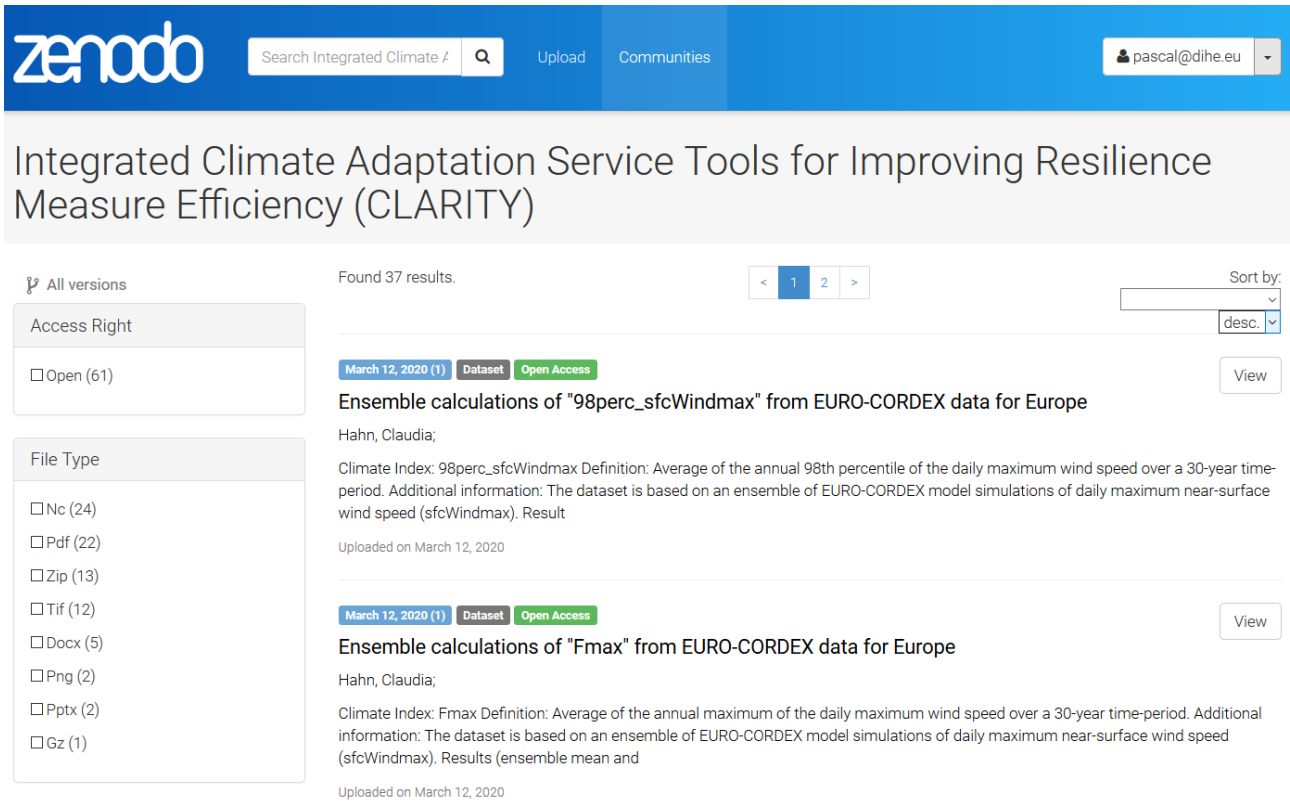
³ <https://dublincore.org/>

⁴ <https://cordis.europa.eu/project/id/730355/results>

⁵ Datasets that cannot be made openly accessible due to legal or contractual reasons (non-open data) are nevertheless described by appropriate meta-data in the DMP and are subject to long-term preservation.

⁶ <https://opendefinition.org/licenses/>

⁷ Zenodo is an EC-co-funded, multidisciplinary repository, for publications and data. Data is stored in the CERN cloud infrastructure. Zenodo is compliant with the open data requirements of Horizon 2020 and OpenAIRE.



zenodo Search Integrated Climate / Upload Communities pascal@dihe.eu

Integrated Climate Adaptation Service Tools for Improving Resilience Measure Efficiency (CLARITY)

All versions Found 37 results. Sort by: desc.

Access Right: ☐ Open (61)

File Type: ☐ Nc (24), ☐ Pdf (22), ☐ Zip (13), ☐ Tif (12), ☐ Docx (5), ☐ Png (2), ☐ Pptx (2), ☐ Gz (1)

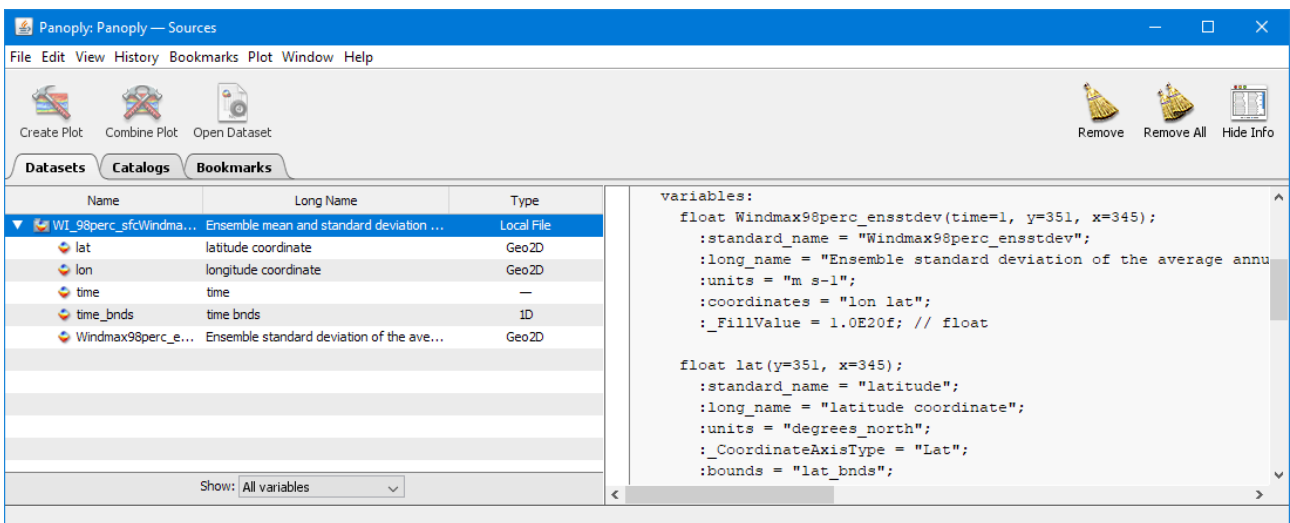
Ensemble calculations of "98perc_sfcWindmax" from EURO-CORDEX data for Europe
Hahn, Claudia;
Climate Index: 98perc_sfcWindmax Definition: Average of the annual 98th percentile of the daily maximum wind speed over a 30-year time-period. Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily maximum near-surface wind speed (sfcWindmax). Result
Uploaded on March 12, 2020

Ensemble calculations of "Fmax" from EURO-CORDEX data for Europe
Hahn, Claudia;
Climate Index: Fmax Definition: Average of the annual maximum of the daily maximum wind speed over a 30-year time-period. Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily maximum near-surface wind speed (sfcWindmax). Results (ensemble mean and
Uploaded on March 12, 2020

Figure 4: CLARITY data legacy in Zenodo open access repository

To make data **interoperable**, datasets produced by CLARITY

- adhere to standards and data formats such as NetCDF⁸ (Network Common Data Form) and ESRI Shape File to facilitate re-combinations with different datasets from different origins;
- can be accessed online through well-defined service APIs like OGC WMS;
- can be viewed and edited with available (open) software applications like QGIS; and
- are accompanied with a description of data types and encodings used in datasets (Figure 5).



Panoply: Panoply — Sources

File Edit View History Bookmarks Plot Window Help

Create Plot Combine Plot Open Dataset Remove Remove All Hide Info

Datasets Catalogs Bookmarks

Name	Long Name	Type
WI_98perc_sfcWindma...	Ensemble mean and standard deviation ...	Local File
lat	latitude coordinate	Geo2D
lon	longitude coordinate	Geo2D
time	time	—
time_bnds	time bnds	iD
Windmax98perc_e...	Ensemble standard deviation of the ave...	Geo2D

Show: All variables

```

variables:
    float Windmax98perc_ensstdev(time=1, y=351, x=345);
    :standard_name = "Windmax98perc_ensstdev";
    :long_name = "Ensemble standard deviation of the average annu
    :units = "m s-1";
    :coordinates = "lon lat";
    :_FillValue = 1.0E20f; // float

    float lat(y=351, x=345);
    :standard_name = "latitude";
    :long_name = "latitude coordinate";
    :units = "degrees_north";
    :_CoordinateAxisType = "Lat";
    :bounds = "lat_bnds";
  
```

Figure 5: Description of variables in CLARITY NetCDF files

⁸ NetCDF consist of self-describing, machine-independent data formats that facilitate the exchange and reuse of scientific data. Many (open source) software applications do exist that are able to read and generate NetCDF datasets.

To make data **re-usable**, datasets produced by CLARITY

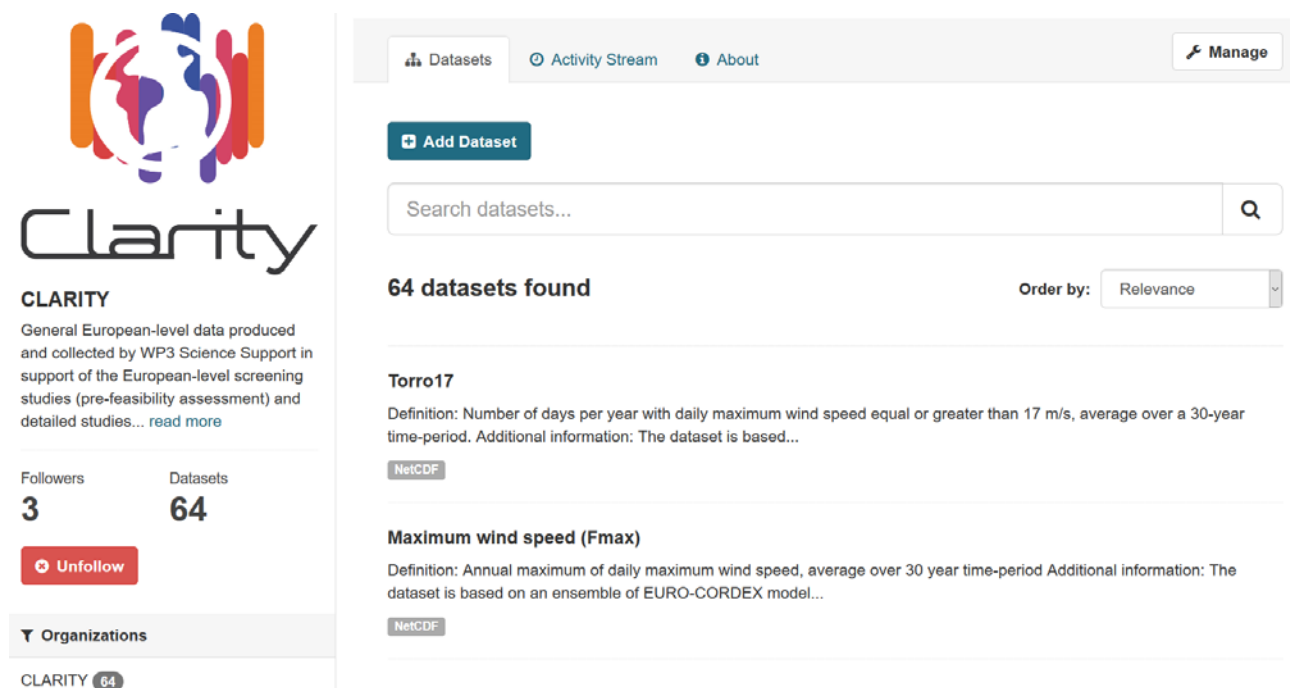
- are released under a Creative Commons license, preferably Creative Commons Attribution 4.0 (CC-BY-4.0) unless special restrictions on access and re-use apply;
- are usable by third parties after the end of the project unless restrictions apply that are explained in the meta-data description of the restricted datasets; and
- will be retained for the lifetime of the Zenodo repository or least 5 years after the project end.

In the following a summary of the data produced by the project and information on access and re-use is given. A complete description of these datasets is available in Annex I in chapters Open Data produced by CLARITY and Non-Open Data produced by CLARITY.

The majority of these datasets relate to climate change projections. They are based on regional climate model simulations for urban microclimate modelling both at pan-European level (EURO-CORDEX) for general screening studies (chapter 3.1) and on urban microclimate model simulations at local level for tailored expert studies in the context of the four CLARITY DCs (chapter 3.2). While at pan-European level a simplified urban microclimate model that is feed by open data can be applied (chapter 3.1.2), at detailed urban level microclimate models requiring detailed local and partially access restricted data have to be used.

3.1 European-level datasets

These general European-level datasets have been produced by WP3 “Science Support” and WP4 “Technology Support” as input for the European-level screening studies (pre-feasibility assessment) and the detailed local expert studies that are performed within the 4 CLARITY Demonstration Cases. All datasets are released under an open license, are deposited in the Zenodo repository for long term preservation and can be re-used in different contexts. In Annex I, they can be identified by meta-data property “organisation” with value “CLARITY”.

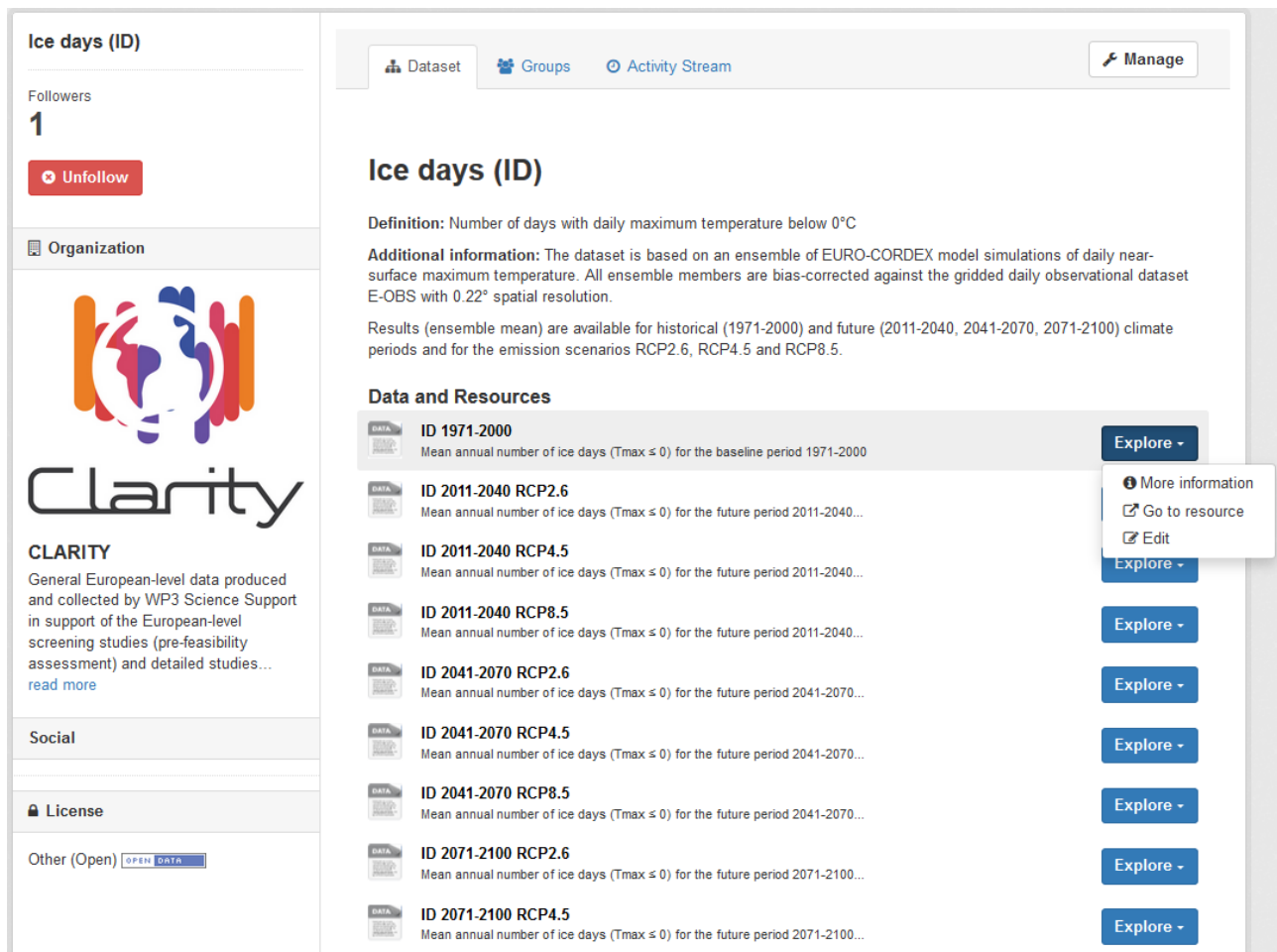


The screenshot displays the CLARITY catalogue interface. On the left, the CLARITY logo is shown above a description: "General European-level data produced and collected by WP3 Science Support in support of the European-level screening studies (pre-feasibility assessment) and detailed studies... read more". Below this, it shows 3 followers and 64 datasets, with an "Unfollow" button. A "Organizations" section lists CLARITY with 64 datasets. The main content area shows a search bar, a "64 datasets found" status, and a list of datasets. Two datasets are visible: "Torro17" and "Maximum wind speed (Fmax)". Each dataset entry includes a definition, additional information, and a "NetCDF" download button.

Figure 6: European-level datasets (excerpt) in CLARITY catalogue

3.1.1 Pan-European Hazard Datasets

As input for the EU-GL steps “Characterize Hazard” and “Hazard Local Effects”, both for European-level screening studies and demonstration case specific expert studies, ZAMG has calculated several climate indices for the hazard characterization at European scale.



Ice days (ID)

Followers
1

[Unfollow](#)

Organization



CLARITY
General European-level data produced and collected by WP3 Science Support in support of the European-level screening studies (pre-feasibility assessment) and detailed studies... [read more](#)

Social

License

Other (Open) [OPEN DATA](#)

Ice days (ID)

Definition: Number of days with daily maximum temperature below 0°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the emission scenarios RCP2.6, RCP4.5 and RCP8.5.

Data and Resources

ID	Description	Explore
ID 1971-2000	Mean annual number of ice days (Tmax ≤ 0) for the baseline period 1971-2000	Explore
ID 2011-2040 RCP2.6	Mean annual number of ice days (Tmax ≤ 0) for the future period 2011-2040...	Explore
ID 2011-2040 RCP4.5	Mean annual number of ice days (Tmax ≤ 0) for the future period 2011-2040...	Explore
ID 2011-2040 RCP8.5	Mean annual number of ice days (Tmax ≤ 0) for the future period 2011-2040...	Explore
ID 2041-2070 RCP2.6	Mean annual number of ice days (Tmax ≤ 0) for the future period 2041-2070...	Explore
ID 2041-2070 RCP4.5	Mean annual number of ice days (Tmax ≤ 0) for the future period 2041-2070...	Explore
ID 2041-2070 RCP8.5	Mean annual number of ice days (Tmax ≤ 0) for the future period 2041-2070...	Explore
ID 2071-2100 RCP2.6	Mean annual number of ice days (Tmax ≤ 0) for the future period 2071-2100...	Explore
ID 2071-2100 RCP4.5	Mean annual number of ice days (Tmax ≤ 0) for the future period 2071-2100...	Explore

More information
Go to resource
Edit

Figure 7: Example of an open data hazard dataset (“ice days”) in CLARITY catalogue

The climate data provided by ZAMG are used in the CSIS Platform, primarily in the hazard analysis as the first step of the EU-GL methodology, where climate change information and derived hazard indices are combined with vulnerability and exposure data for different elements of risk to perform risk assessment for urban areas and transport infrastructure. The datasets encompass EU-wide (Figure 9) climate and hazard indices (derived from EURO-CORDEX data), which support the CSIS’s screening functionality. These datasets can be used in all countries without restrictions. All EURO-CORDEX simulations used to calculate the climate indices are classified as “unrestricted”.

The indices were calculated for several Global Climate Model – Regional Climate Model combinations from the EURO-CORDEX⁹ simulations at 0.11° resolution (EUR-11) to account for inter-model variability. Prior to the index calculation, temperature and precipitation data from the EURO-CORDEX simulations were bias corrected using E-OBS data, a gridded observational data set. For each climate index, the ensemble mean and ensemble standard deviation has been made available as open data on Zenodo (Figure 8). For each climate index there is an ensemble mean and an ensemble standard deviation for each time period (1971-2000, 2011-2040, 2041-2070, 2071-2100) and each representative concentration pathway (RCP2.6, RCP4.5 and RCP8.5).

⁹ <https://euro-cordex.net/060374/index.php.en>

January 31, 2020

[Dataset](#) [Open Access](#)

Ensemble calculations of "Ice Days" from EURO-CORDEX data for Europe

Robert Goler

Climate Index: Ice days

Definition: Number of days with daily maximum temperature below 0°C.

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS.

Results (ensemble mean and standard deviation) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

The bias-corrected EURO-CORDEX climate model simulations used are:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Files (35.1 MB)		
Name	Size	
CI_ice-days_historical_19710101-20001231_ensmean.nc	1.5 MB	Download
md5:140ba44c3f3290f09f321f812b34faed		
CI_ice-days_historical_19710101-20001231_ensstd.nc	1.5 MB	Download
md5:02c757b17b208c340fdbd2dd49aba918		
CI_ice-days_rcp26_20110101-20401231_ensmean.nc	2.4 MB	Download
md5:308b41aa6ba7c2ae09aebc4333ba4e61		
CI_ice-days_rcp26_20110101-20401231_ensstd.nc	2.4 MB	Download
md5:2c6e44bbbae673d20688b64756e3638		

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Integrated Climate Adaptation Service Tools for Improving Resilience Measure Efficiency (CLARITY)
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[DOI: 10.5281/zenodo.3632361](#)
Keyword(s):
[CLARITY](#) [Climate index](#) [Ice days](#) [EURO-CORDEX](#) [open-data](#) [output-data](#) [H2020](#) [Cold](#) [Future climate](#)
Grants:
[European Commission](#)
• CLARITY - Integrated Climate Adaptation Service Tools for Improving Resilience Measure Efficiency (730355)

Figure 8: Example of an open data hazard dataset ("ice days") in Zenodo

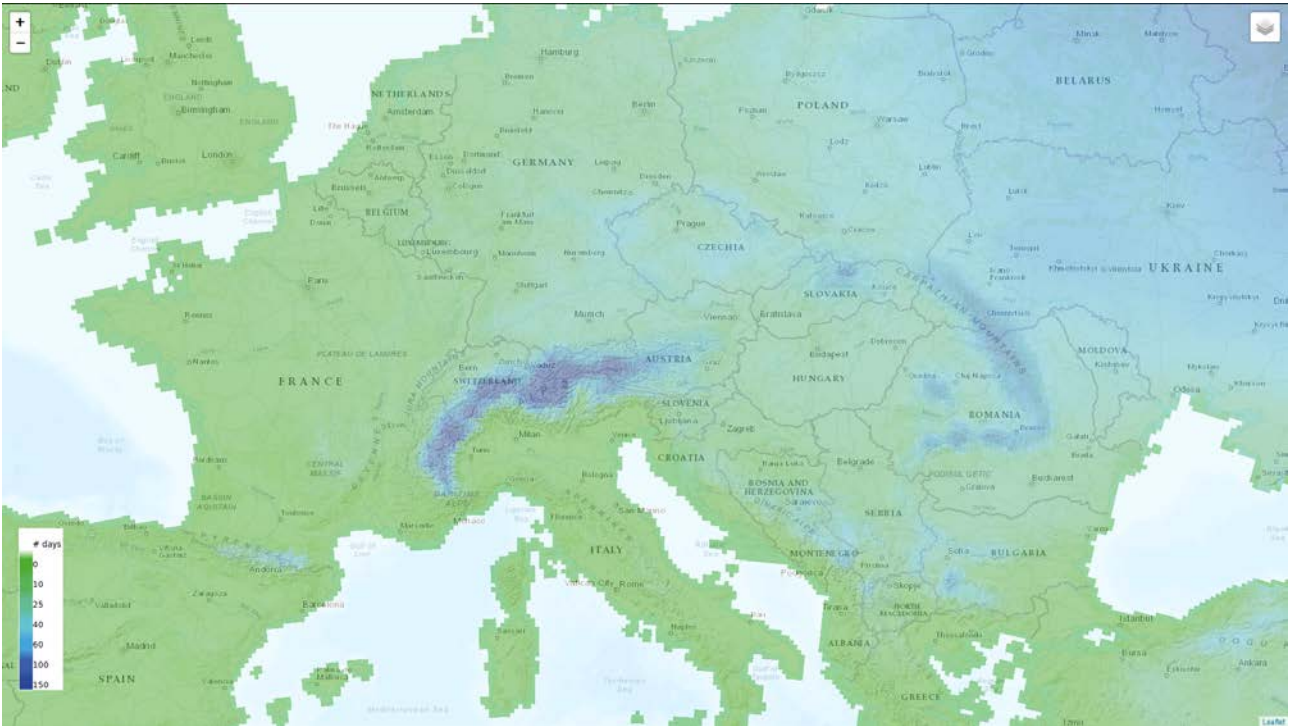


Figure 9: Map visualisation open data hazard dataset ("ice days") in CSIS

The original datasets are in netCDF format. For internal usage within the CSIS the data is "rasterised" to GeoTIFF 500km grid and made available via GeoServer (Figure 9) and AIT EMIKAT. Then the local effects are

taken into account to generate derived datasets. For the DMP it is mainly at interest that the original hazard datasets are made publicly available for re-use by other interested parties.

3.1.2 Local Effects Input Datasets

For the pan-European level datasets, CLARITY follows a novel and unique approach for downscaling high-resolution climate projections, in order to be able incorporate such urban microclimate features that strongly affect the risk conditions at “local” level also at European-level (Figure 10). This means, that thanks to the proposed CLARITY methodology that is outlined in details in deliverable D3.2 “Science Support Report v1” [5] and [6], even European-level screening studies can benefit from far better climate projections than such that are usually available “for free” today.

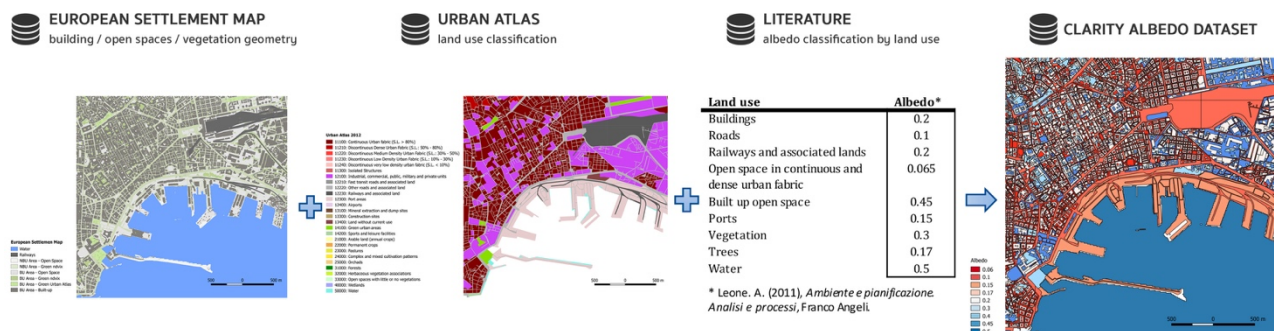


Figure 10: Example of information in the CLARITY urban microclimate simplified model

Agricultural areas

Urban Atlas based data subset, where every element with CODE 21000,22000,23000,24000 and 25000 was extracted as an agricultural area with the next information:

```
gid integer area numeric perimeter numeric geom geometry(Polygon,EPG:3035) albedo real
emissivity real transmissivity real vegetation_shadow real run_off_coefficient real building_shadow
smallint
```

This data is an input for local effects calculation.

Data and Resources

 **clarity:agricultural_sreas**
Image EPSG:3035 png, gif, jpg

[Explore](#)

 **clarity:agricultural_areas**
Vectorial (Polygon) EPSG:3035 GML, GeoJSON, CSV, Shapefile

[Explore](#)

[Agricultural areas](#)

[CLARITY](#)

[Land Use](#)

[Local Effects](#)

[Urban Atlas](#)

[Zenodo](#)

[open-data](#)

[output-data](#)

Figure 11: Example of an open data local effects dataset (“Agricultural areas”) in CLARITY catalogue

The proposed methodology allows to refine the information derived from climate models (see chapter 3.1.1), with a typical maximum resolution of 10-12km, such as EURO-CORDEX, at the level of a 250x250m mesh overlapped on European thanks to the high resolution of satellite data.

The wide amount of data generated by satellite images and made available at pan-European level by the Copernicus programme have been processed with specific algorithms and GIS spatial analysis tools like GDAL to extract detailed information related to key parameters linked to urban morphology and surface type, such as albedo, emissivity, buildings shadows, green fraction and runoff coefficient. Local effects input datasets have been generated by using the following European data sources or combinations of them:

- Urban Atlas (Water, Roads, Railways, Agricultural areas, Medium urban fabric, Low urban fabric, Dense urban fabric, Public, military and industrial units)
- European Settlement Map (Buildings, Built Open Spaces)
- Urban Atlas and Street Tree Layer (Vegetation)
- Urban Atlas and European Settlement Map (Trees)

Local effects datasets can be calculated for over 400 city regions in Europe (Figure 12). The coverage depends on the availability of local effects parameters in the input data. The related meta-data is made available in the CLARITY online catalogue (Figure 11) and Annex I, respectively. The data itself is stored in the Zenodo research data repository. Thanks to generic scripts developed for extracting and combining the local effects parameters from original data sources, the process can be repeated when new input data, e.g. an updated version of Urban Atlas, becomes available. Additionally, the scripts are available as open source on GitHub¹⁰.

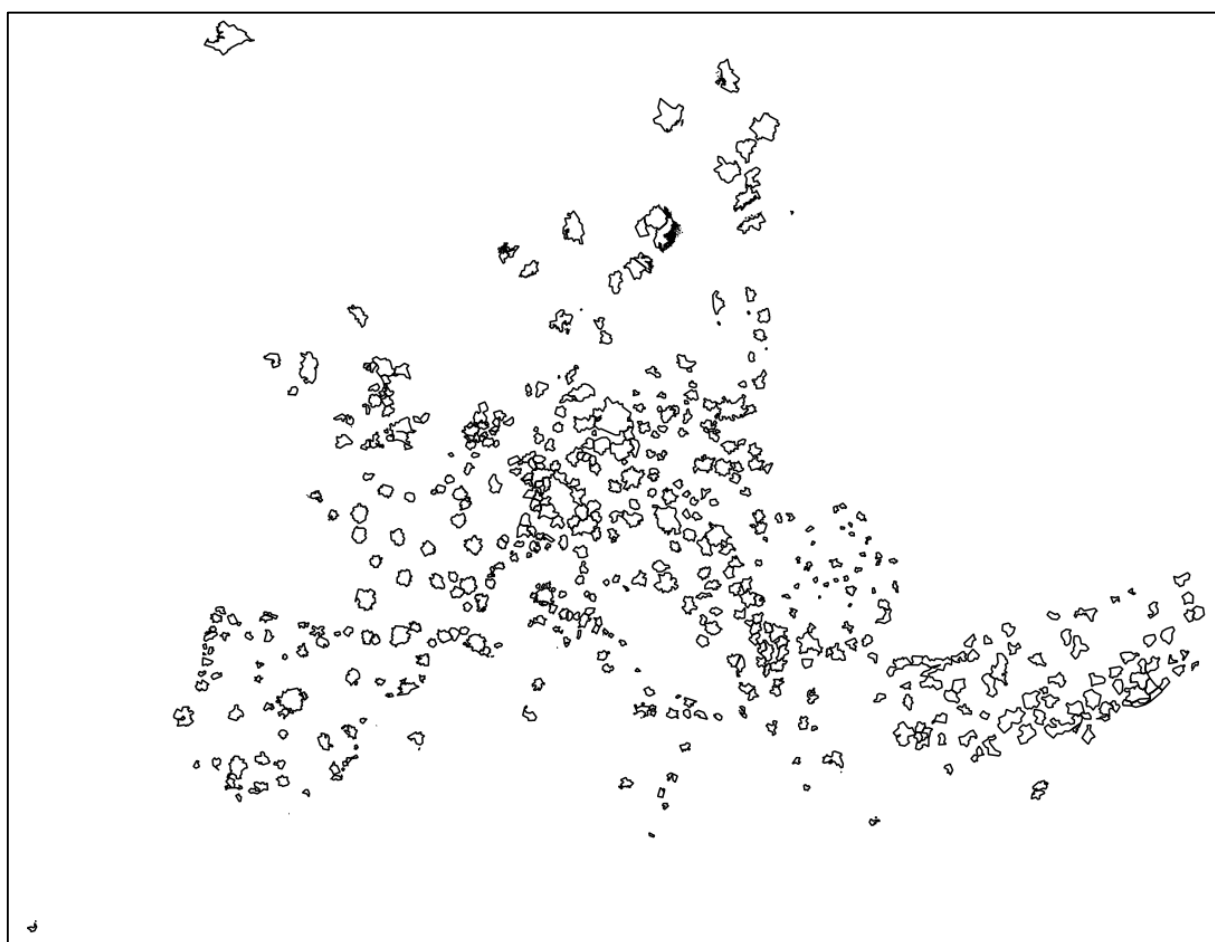


Figure 12: Local effects datasets coverage

Local effects datasets have been also published through OGC compliant web services at following WFS and WMS standards. They include features such as water, roads, railways, trees, vegetation, agricultural areas,

¹⁰ <https://github.com/clarity-h2020/local-effects>

buildings, built open spaces, dense urban fabric, medium urban fabric, low urban fabric, public, military and industrial units (Figure 13).

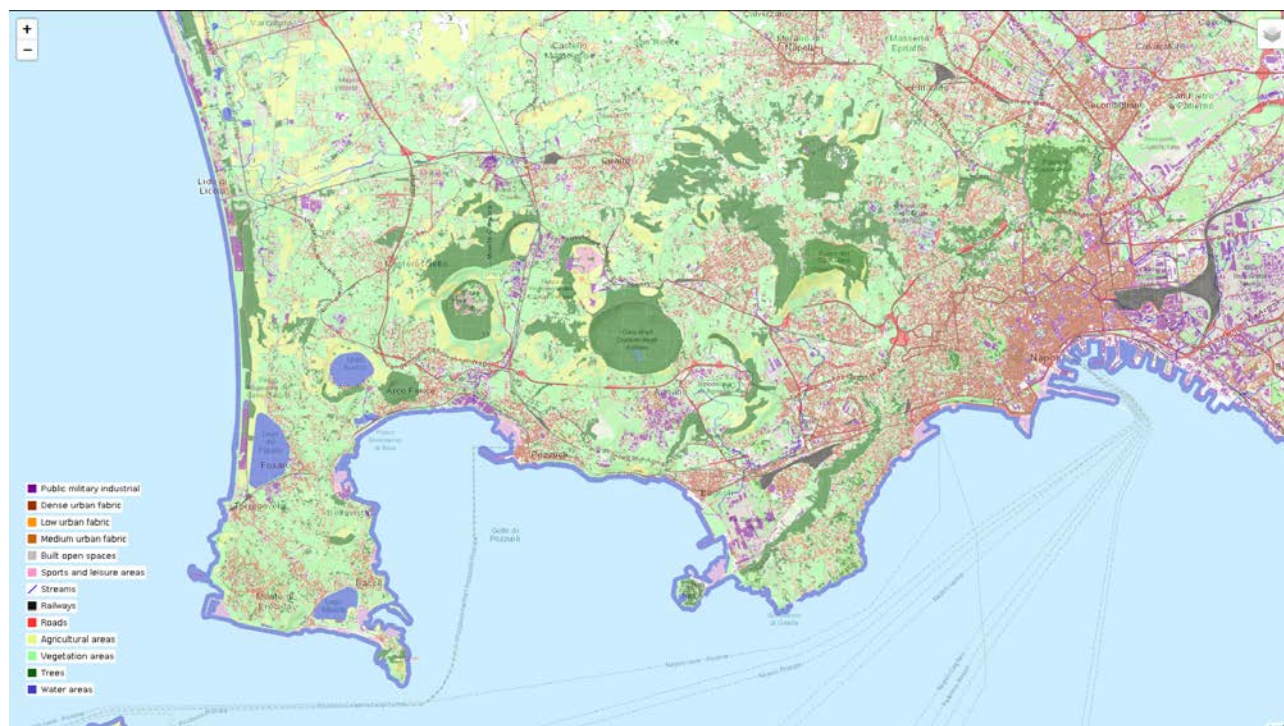


Figure 13: Local effects input layers for the city of Naples

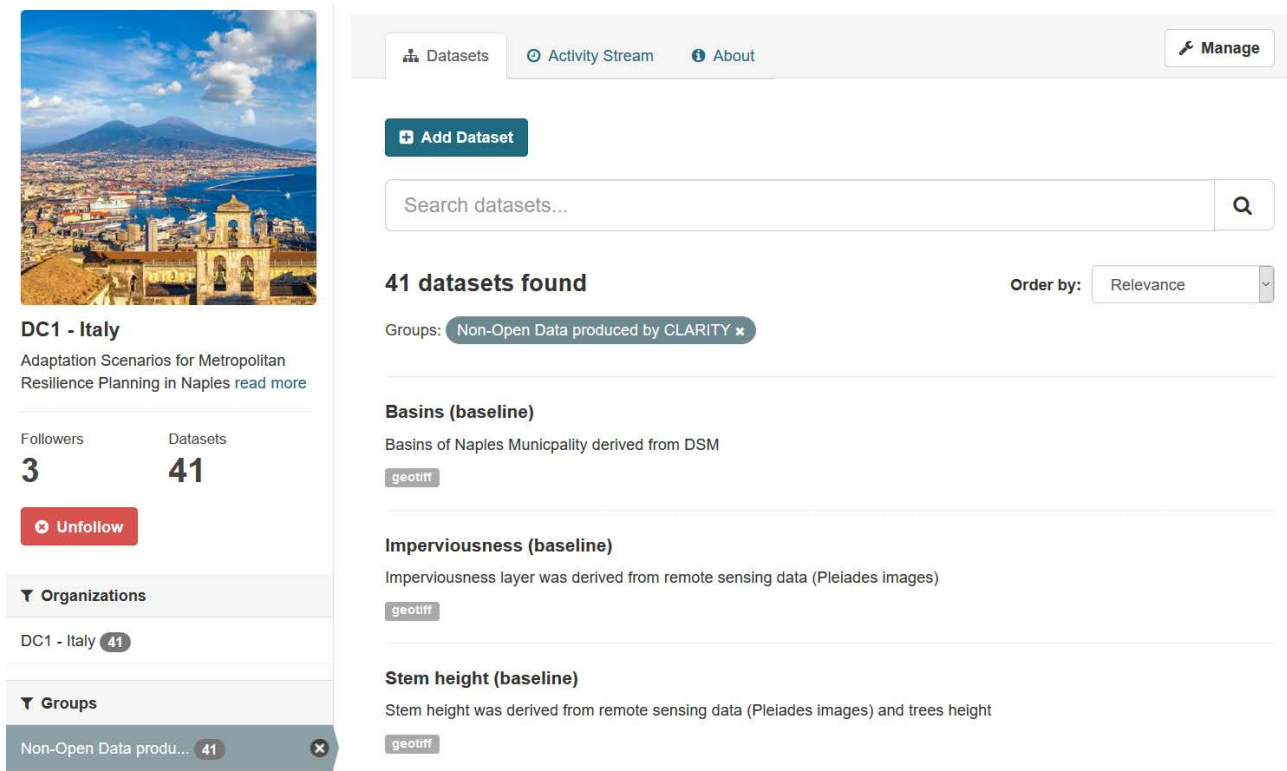
3.2 DC datasets

The data legacy of the CLARITY demonstration cases mainly consists of high-resolution local data resulting from local climate modelling as part of DC expert studies. Since some of the input datasets used to feed the local models are restricted on usage e.g. from city administrations, the outputs cannot be made available as open data. The respective datasets are nevertheless summarised in this chapter and described in detail in CLARITY's online catalogue and in Annex I.

Among others, the related meta-data information in the online and offline catalogue contains information on the license (open, non-open), access possibilities (download links) and the data owner (CLARITY project partner), including contact information like email address. The data owner is responsible for implementing procedures for long term preservation of data produced within the context of the project, whether it is released under an open license or not. These procedures are described in the subsequent chapters. Open data produced by DCs can be obtained either from Zenodo or institutional repositories by following the download links in the meta-data. The decision whether to grant/deny access to non-open data is solely under the responsibility of the data owner.

3.2.1 DC 1

The Demonstration Case related to the City of Naples (DC1) is intended to assess the benefits introduced by the application of adaptation measures in order to tackle heat waves, pluvial flooding and landslide hazards at local level. The models chosen to meet those purposes are characterized by the link capacity of climate, exposure, vulnerability, and impact data with potential adaptation/mitigation options across multiple scales of intervention. Therefore, the input and output data, both used and produced, regarding heat wave and pluvial flooding hazards, have been described in detail in CLARITY meta-data catalogue (Annex I). They can be identified by meta-data property "organisation" with value "DC1 - Italy" (Figure 14).



The screenshot displays the CLARITY catalogue interface. On the left, the profile for 'DC1 - Italy' is shown, featuring a landscape image of Naples and Mount Vesuvius. The profile includes the text 'Adaptation Scenarios for Metropolitan Resilience Planning in Naples' and a link to 'read more'. It also shows '3 Followers' and '41 Datasets'. Below this, there are sections for 'Organizations' (listing 'DC1 - Italy' with 41 datasets) and 'Groups' (listing 'Non-Open Data produced by CLARITY' with 41 datasets). The main area on the right shows a search bar with '41 datasets found' and a dropdown menu set to 'Relevance'. Below the search bar, a list of datasets is displayed, including 'Basins (baseline)', 'Imperviousness (baseline)', and 'Stem height (baseline)', each with a brief description and a 'geotiff' tag.

Figure 14: Data legacy of DC1 described in CLARITY catalogue

Data produced for DC1 include a land use GIS database that contains all the parameters necessary for “local effect” simulations. The datasets shared by the City of Naples (currently used for planning purposes at various levels) have been verified and corrected (in terms of geometries and intended uses) through comparisons with recent high-resolution satellite images (Pleiades 2018 data), and integrated with the input parameters required by the models. The resulting land use map is extremely detailed and adds to the geometric and morphological data of buildings and open spaces, also essential elements not present in ordinary cartographies, such as the presence of trees and the characteristics of albedo, emissivity and run-off of the different urban surfaces.

Hazard data for heat waves and flood produced by ZAMG have been used to produce the local effect hazard maps for the entire municipality of Naples, with a resolution of 250x250m (square grid overlapped to the territory). For heat wave hazard, each cell of the grid can be further analysed to produce detailed hazard maps (Figure 16). Within DC1, sample cells have been analysed in the centre part of the city, as well as in the east and west suburbs to support the update of the City Plan. Reference events extracted from the downscaled EURO-CORDEX data have been also used as input of the 3D modelling workflow in Grasshopper software environment, producing 3-dimensional hazard views including buildings and green canopies, to support district scale planning. Impact maps related to expected heat discomfort of population (through UTCI indicator) and the economic impact of floods have been also produced. Further data are being produced to show the effect of adaptation measures on the variation of hazard local effect, based on priorities identified by Naples city administration.

The outcomes of heat wave and pluvial flooding hazard local effect models (Figure 15) that have been produced by DC1 will be exploited commercially through the MyClimateService.eu marketplace¹¹. Therefore they will not be made available as open data. The data is stored for long term preservation also in the PLINIVS server (including GeoServer functionalities) to keep them permanently available (beyond 5 years after the project ends) for further exploitation and reuse.

¹¹ <https://marketplace.myclimateservices.eu/>

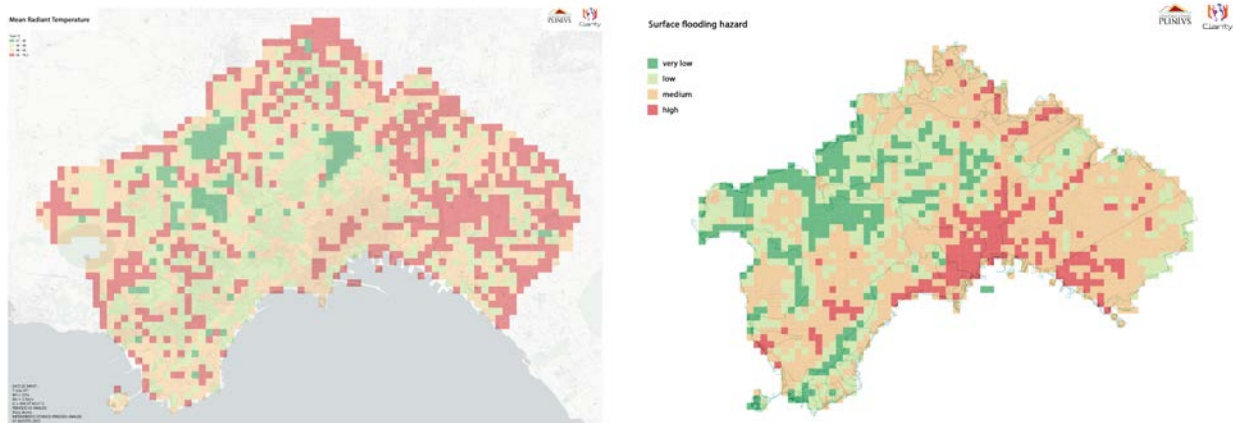


Figure 15: DC1 output of heat wave (left) and flood (right) hazard local effect models

The results obtained from the urban climate model MUKLIMO_3, e.g. climate indices at 250 m and mean radiant temperature results at 20 m spatial resolution, are intended for non-commercial public use, after complying to the conditions of the MUKLIMO_3 modelling license for non-commercial tasks in research and teaching and with consent of all input data owners (Attribution-NonCommercial-NoDerivatives 4.0 International¹²). They are securely stored at ZAMG for long term preservation and can be requested by interested parties contacting the author listed in CKAN.

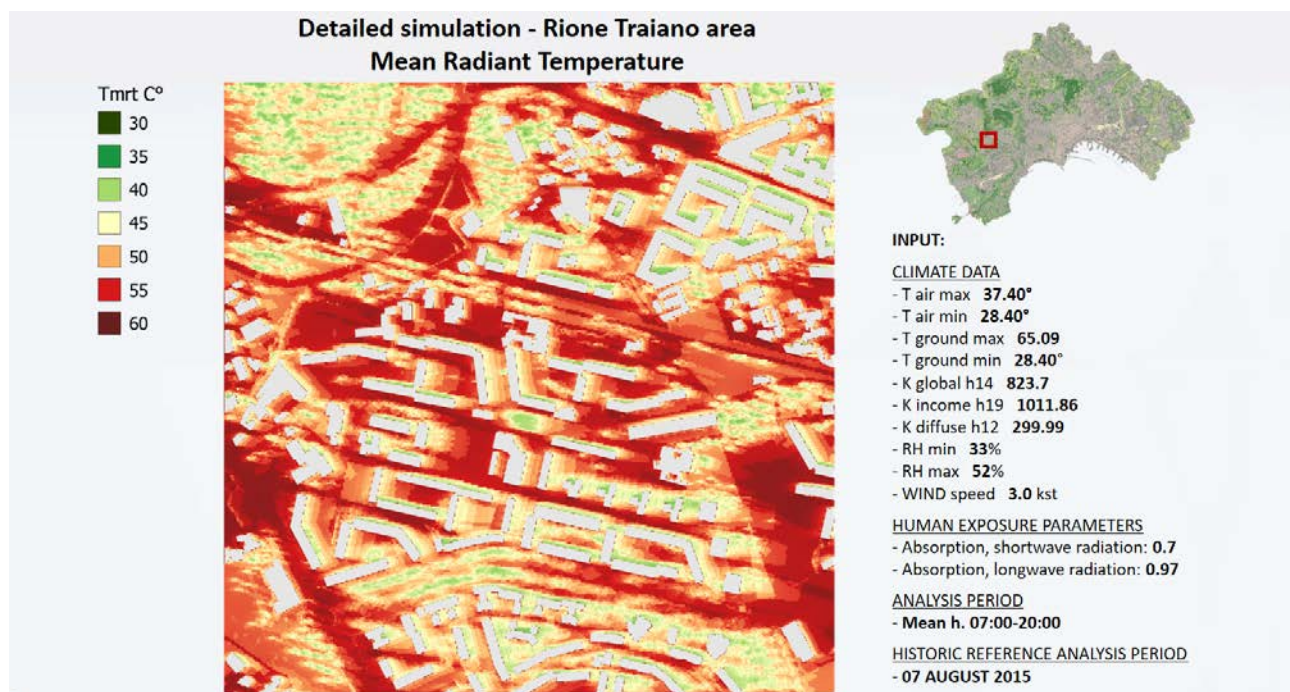
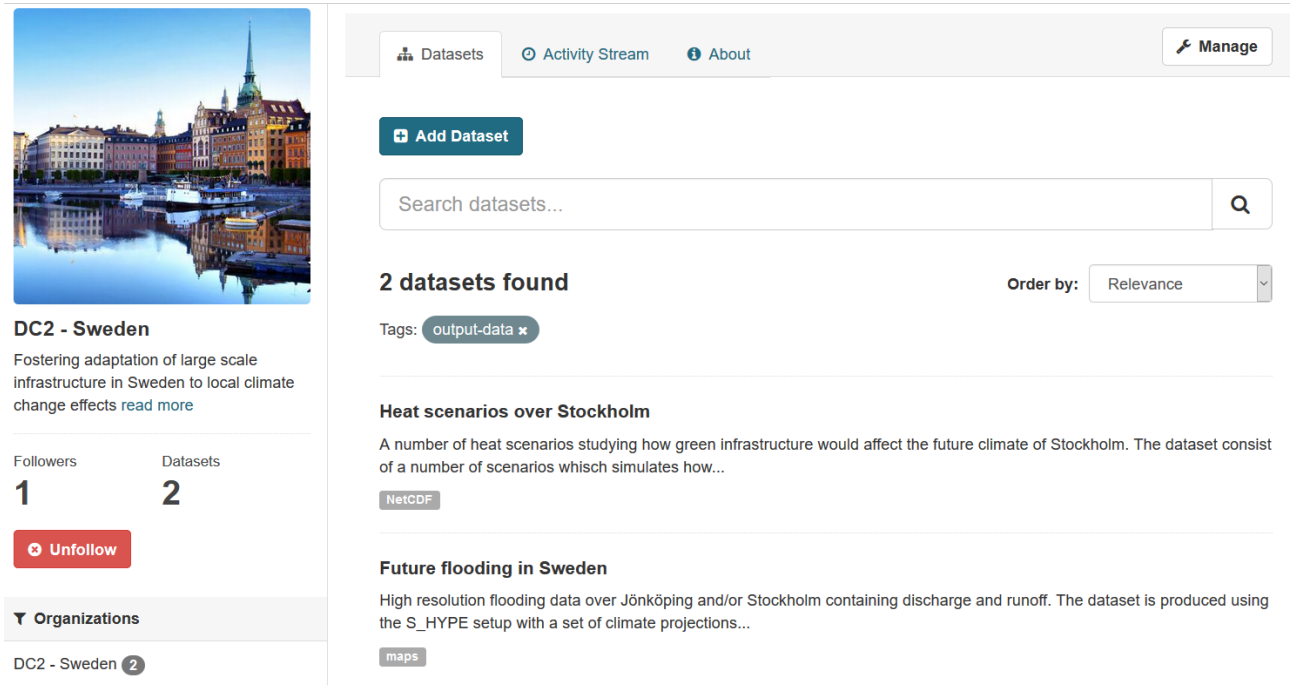


Figure 16: DC1 output of detailed heat wave model on a sample cell

3.2.2 DC 2

Data produced as result of expert studies, such as scenarios for flooding in Sweden under a future climate and detailed flooding data over Stockholm, will not be openly released since it is based on data where restrictions in usage applies, due to commercial conditions or confidentiality. These datasets have been described in detail in CLARITY meta-data catalogue (Annex I). They can be identified by meta-data property “organisation” with value “DC2 - Sweden” (Figure 17).

¹² <https://creativecommons.org/licenses/by-nc-nd/4.0/legalcode>



The screenshot displays the CLARITY catalogue interface. On the left, a profile for 'DC2 - Sweden' is shown, featuring a cityscape image, a description about fostering infrastructure adaptation, and statistics for 1 follower and 2 datasets. A red 'Unfollow' button is present. Below this, an 'Organizations' section lists 'DC2 - Sweden' with a count of 2. The main content area shows a search bar, a filter for 'output-data', and two dataset listings: 'Heat scenarios over Stockholm' (with a NetCDF file icon) and 'Future flooding in Sweden' (with a maps icon).

Figure 17: Data legacy of DC2 described in CLARITY catalogue

The data for future Stockholm is stored for long term preservation by Stockholm City and the data for future flooding will be kept by SMHI for use in future cooperation.

In addition to these non-open datasets, DC2 has produced one dataset that is of general interest to release as open data: The urban heat scenarios over Stockholm (Figure 18). The dataset consists of high resolution (200 m grid cell spacing) physiography data that describes baseline conditions and several urban planning scenarios for the city/region of Stockholm. The “city 2030” scenario for example includes among others future changes to average air temperature induced by city expansion, in particular the planned construction of 140 000 new homes by 2030. The dataset was produced by processing and aggregating a number of open-access products, such as OpenStreetMap, Copernicus Land Monitoring Services, and Copernicus Global Land Service. The input data is also described in Annex I in chapter “Open Data used by CLARITY”. The urban heat dataset itself can be accessed from UrbanSIS THREDDS Server¹³ and is additionally archived in the Zenodo repository for long-term preservation (Figure 19).

¹³ <https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/catalog.html>

High resolution urban climate with Harmonie-AROME:

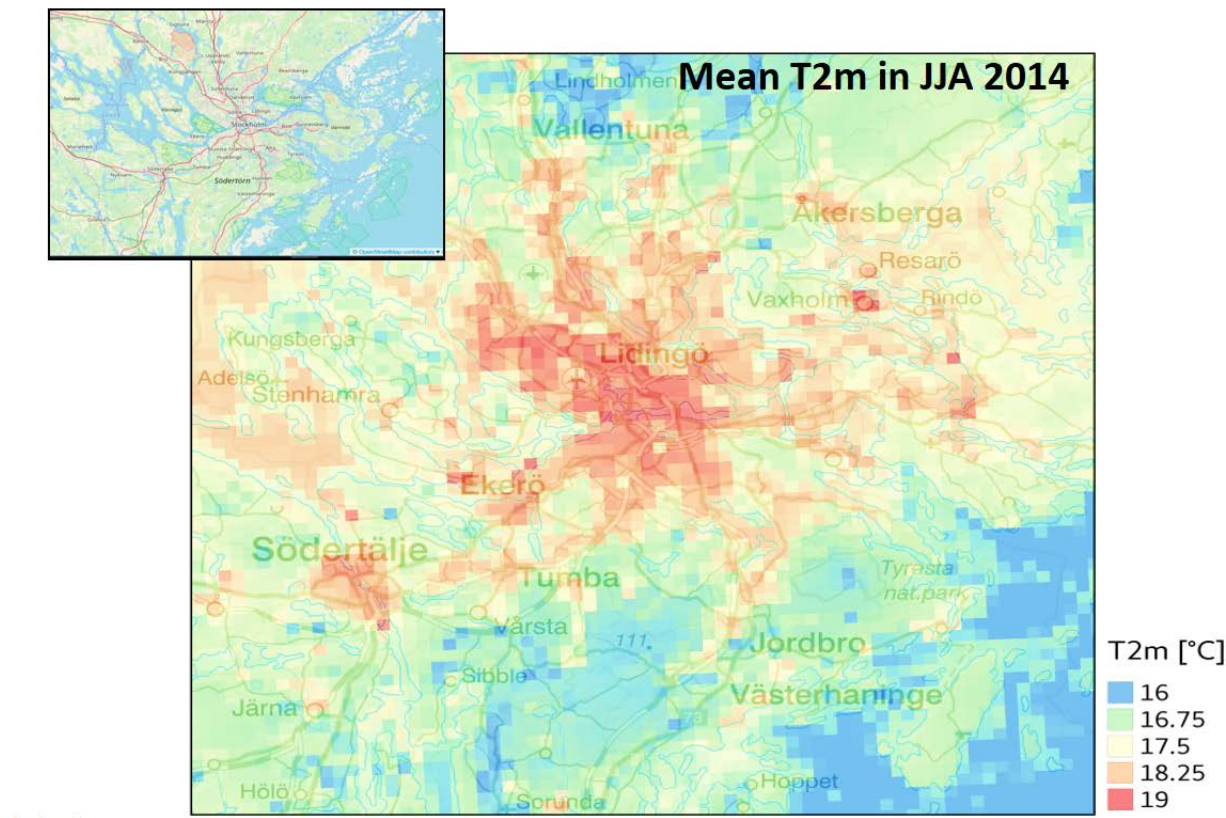


Figure 18: DC2 urban heat scenarios over Stockholm

May 6, 2020

[Dataset](#) [Open Access](#)

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[New version](#)

Heat scenarios over Stockholm

Amorim, Jorge

A number of heat scenarios studying how green infrastructure would affect the future climate of Stockholm. The dataset consist of a number of scenarios which simulates how building plans could affect heat exposure in Stockholm. The scenarios are:

- Stockholm 2014: Baseline scenario simulating the heatwave during the summer of 2014 in Stockholm
- Stockholm 2030: Simulating the effects of the heatwave 2014 with new building according to plans for city expansion 2030.
- Stockholm 2050: Simulating the effects of the heatwave 2014 with new buildings according to available plans for city expansion 2050.
- Grey Scenario: Simulating the effects of the heatwave 2014 in a city where green infrastructure has been minimized.

[Preview](#)

[Files \(4.4 GB\)](#)

Name	Size	
NO_urban_vegetation.zip	1.1 GB	Preview Download
md5:43efbef6f92c0f03f3f4aeea057409c1 		
Summer2014.zip	1.0 GB	Preview Download
md5:ed82a55e8f4b0a984f49a2c79ed50fbb 		

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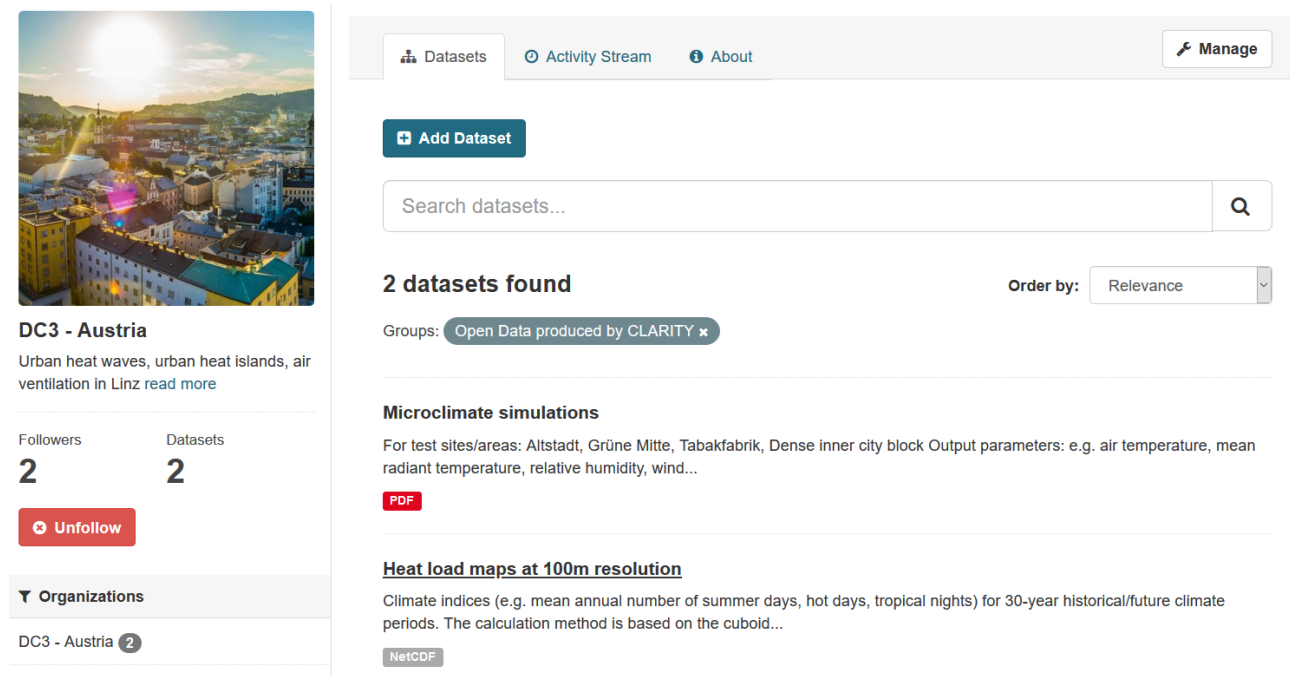
Figure 19: DC2 urban heat scenarios over Stockholm in Zenodo

3.2.3 DC 3

For the entire City of Linz climate modelling, various data sets describing the spatial characteristics of the study area have been compiled from existing open data and new ones generated by merging and adapting those data as well as from non-open data, property of City of Linz and Government of the province Upper Austria. They can be identified by meta-data property “organisation” with value “DC3 - Linz” in the CLARITY meta-data catalogue (Annex I).

These data serve as spatial framework characteristics for climate and microclimate simulations: Digital terrain model, land use map (Urban Atlas, OSM), green area inventory and cadastre map tree distribution, etc. (City of Linz). The applied simple 3D city model and urban development scenarios (densification, new urban green) was generated by AIT.

These datasets are used to calculate different scenarios according to the user stories of this DC and considering the following measures: unsealing of land, roof greening and tree cover densification. Furthermore, the effects of new settlement areas on urban climate can be simulated and different adaptation scenarios can be calculated to make recommendations in terms of resilient urban planning.



DC3 - Austria
Urban heat waves, urban heat islands, air ventilation in Linz [read more](#)

Followers: **2** Datasets: **2**

[Unfollow](#)

Organizations

DC3 - Austria **2**

2 datasets found Order by: Relevance

Groups: [Open Data produced by CLARITY](#)

Microclimate simulations
For test sites/areas: Altstadt, Grüne Mitte, Tabakfabrik, Densified inner city block Output parameters: e.g. air temperature, mean radiant temperature, relative humidity, wind... [PDF](#)

Heat load maps at 100m resolution
Climate indices (e.g. mean annual number of summer days, hot days, tropical nights) for 30-year historical/future climate periods. The calculation method is based on the cuboid... [NetCDF](#)

Figure 20: Data legacy of DC3 described in CLARITY catalogue

The results obtained from the urban climate model MUKLIMO_3, climate indices at 100 m spatial resolution (Figure 21), are intended for non-commercial public use, after complying to the conditions of the MUKLIMO_3 modelling license for non-commercial tasks in research and teaching and with consent of all input data owners (Attribution-NonCommercial-NoDerivatives 4.0 International). They are published as open data in the Zenodo repository for long term preservation (Figure 22).

The dataset has been extended by adaptation scenarios (e.g. roof greening, unsealing, increased albedo) resulting from a modification of input data with respect to the baseline (current climate conditions). A summary of the results is published as open data in Zenodo, too. The datasets are securely stored at ZAMG for long term preservation and can be requested by interested parties contacting the author listed in CKAN.

LINZ ALTSTADT
MEAN RADIANT TEMPERATURE(MRT)

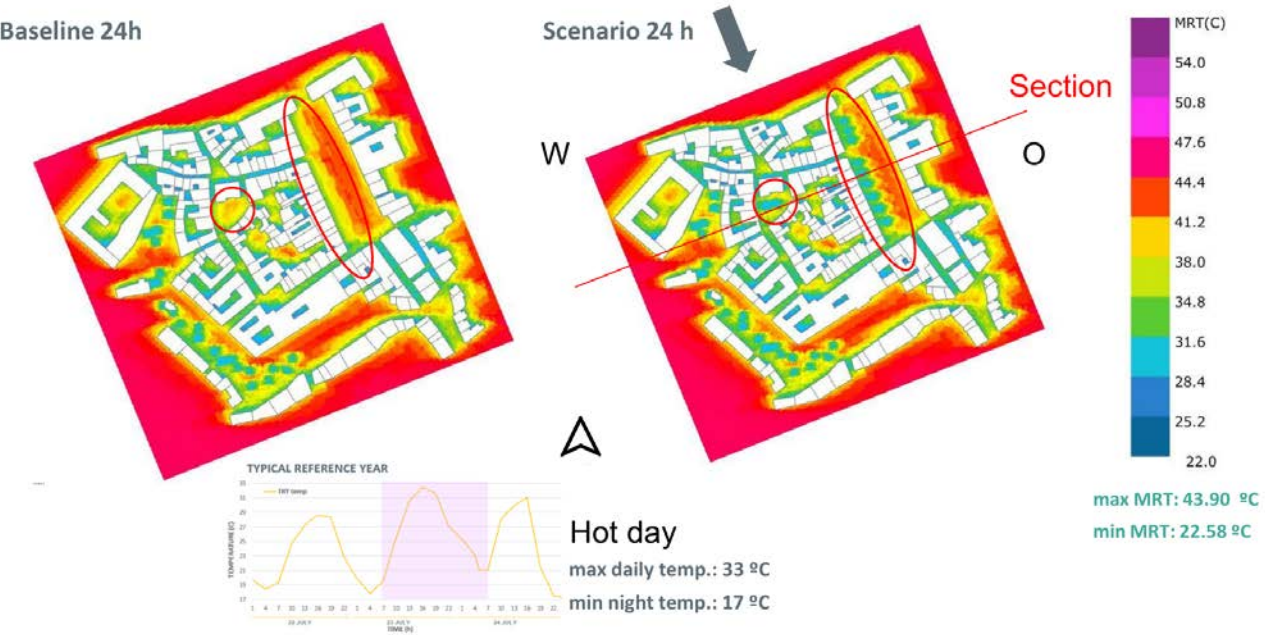


Figure 21: DC2 Climate indices at 100 m spatial resolution

February 12, 2019

[Dataset](#) [Open Access](#)

Heat load maps at 100m resolution (Linz)

Kainz, Astrid

Climate indices (e.g. mean annual number of summer days, hot days, tropical nights) for 30-year historical/future climate periods. The calculation method is based on the cuboid method, a statistical-dynamical downscaling procedure that combines high-resolution (100m) urban climate simulations with long-term climate information from monitoring data/regional climate projections.

Climate indices for historical/current periods: - Background climate information: monitoring data from the airport station Linz Hoersching (1961-2010) - Background climate information: historical (bias-corrected) EURO-CORDEX simulations (1971-2000)

Climate indices for future periods: - Background climate information: bias-corrected EURO-CORDEX model simulations for different representative concentration pathways (2021-2100)

Provenance: EURO-CORDEX + MUKLIMO Note: These datasets are preliminary results and will eventually be updated. Conditions: MUKLIMO_3 results are intended for non-commercial public use, complying to the conditions of the MUKLIMO_3 modelling license for non-commercial tasks in research and teaching.

Name	Size	
euro-cordex_ensavg_historical_1971-2000.nc	944.3 kB	Download
md5:5ac962fdcc51c82f921579abd02151ce		
euro-cordex_ensavg_rcp45_2021-2050.nc	944.2 kB	Download
md5:2f096e1fe3986c35f81db06fb606662c		

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Indexed in

Publication date:
February 12, 2019

DOI:
[DOI: 10.5281/zenodo.2563051](#)

Keyword(s):

EURO-CORDEX

H2020

NetCDF

tropical nights

CLARITY

for non commercial use only

future climate

Climate Indices

Heat

historical climate

open-data

output-data

GeoTIFF

Grants:

Figure 22: DC2 heat load maps (city of Linz) in Zenodo

3.2.4 DC 4

Climate indices have been calculated at Spanish level from CORDEX data in order to assess the vulnerability and risk of Spanish roads to climate change. For this purpose, the models available in EURO-CORDEX are used for two scenarios (RCP4.5 and RCP8.5) for three fixed periods (2011-2040, 2041-2070, 2071-2100) and a reference period (1971-2000). The results refer to different emission scenarios, different global climate models and different regional models. The spatial resolution of the EURO-CORDEX11 simulations is 12.5km.

Datasets produced in context of this DC can be identified by meta-data property “organisation” with value “DC4 - Spain” in the CLARITY meta-data catalogue (Annex I).

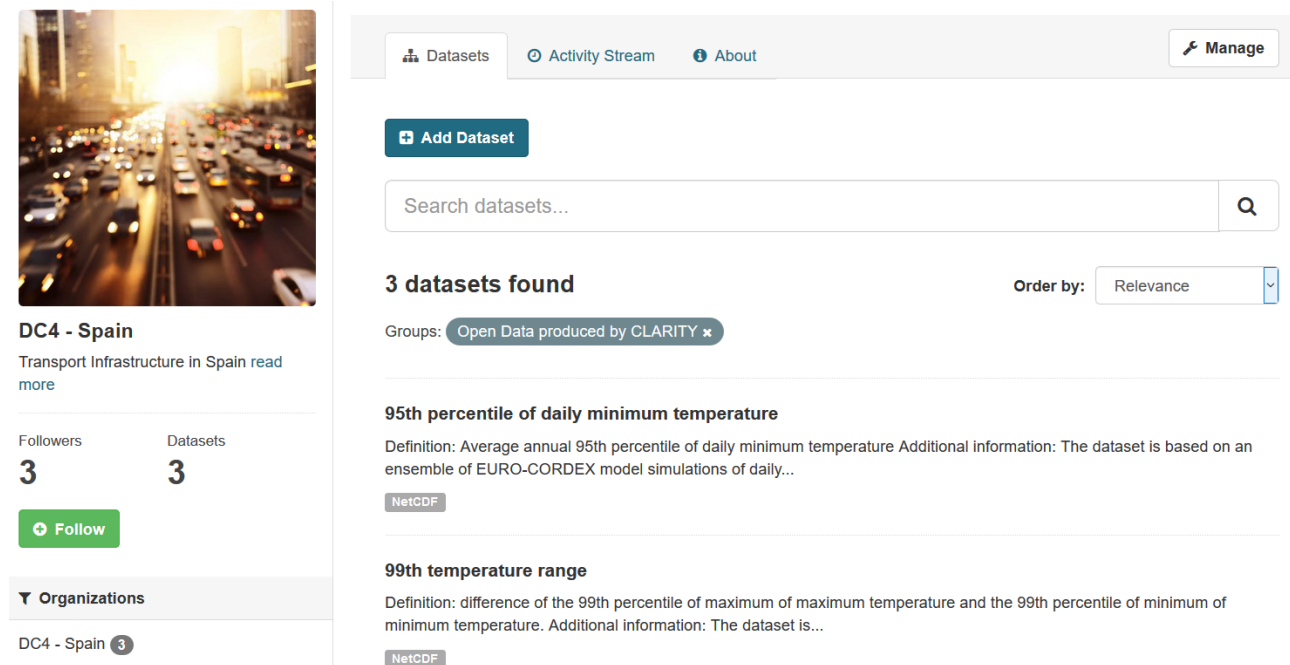


Figure 23: Data legacy of DC4 described in CLARITY catalogue

The objective of DC4 is to collect and propose practices and measures that minimize the impact of climate change on road elements. Related datasets have been defined considering to road design and management.

These datasets have been calculated considering to the impacts on the road surface damage and deformities during extreme heat, and the build-up of snow and ice on elevated and exposed road sections during extreme cold. Furthermore, the road infrastructure at most risk to damage during extended periods of extreme heat or cold.

In order to evaluate the effects of potential climate hazards for transport networks the climate variables or indices have been calculated for several Global Climate Model – RegionalClimate Model combinations from the EURO-CORDEX 7 simulations at 0.11° resolution (EUR-11). The datasets are stored for long term preservation in AdapteCCa data repository¹⁴ and can be reused in different contexts. AdapteCCa server is regularly updated with new indices which can be incorporated. At the same time AdapteCCa offers maps and the possibility to download the meta-data.

¹⁴ <https://escenarios.adaptecca.es>

4 Conclusion

The CLARITY project makes use of a large and diverse amount of open data offered by European agencies or EU-funded projects and initiatives (e.g. Copernicus, EU-CORDEX) as well as data from municipalities and institutions from the CLARITY Demonstration Cases. The CLARITY co-creation team combined, transformed and enriched these datasets by applying scientifically sound methods (e.g. hazard local effects methodology), open source software (e.g. Urban Atlas feature extraction scripts) and models (e.g. urban microclimate models) to produce new data (e.g. pan-European climate indices with and without local effects applied). The datasets have then been assembled into Data Packages that are used within the CLARITY CSIS to perform screening studies on pan-European level or detailed expert studies on the level of the CLARITY DC regions following the IPCC AR5/DRR/EU-GL methodology.

Data that has been produced in the context of the project and that is not subject to commercial exploitation or access restrictions is made available as open data following the FAIR (findable, accessible, interoperable and reusable) principle in the Zenodo research data repository¹⁵ for long-term preservation. This open data produced by CLARITY can be used by third parties, possibly in different contexts, to generate new beneficial results, including new open data.

Apart from a summary of CLARITY's data legacy, the final DMP provides a complete list of all datasets both used and produced within the project by means of a detailed online meta-data catalogue¹⁶ and an offline snapshot (Annex I), respectively. This offline snapshot can be re-generated automatically at any time, if needed or requested. It is therefore planned to publish an updated version of the offline DMP towards the end of the project, reflecting the changes to the online catalogue (if any).

¹⁵ <https://zenodo.org/communities/clarity>

¹⁶ <https://ckan.myclimateservice.eu/>

5 Acknowledgement

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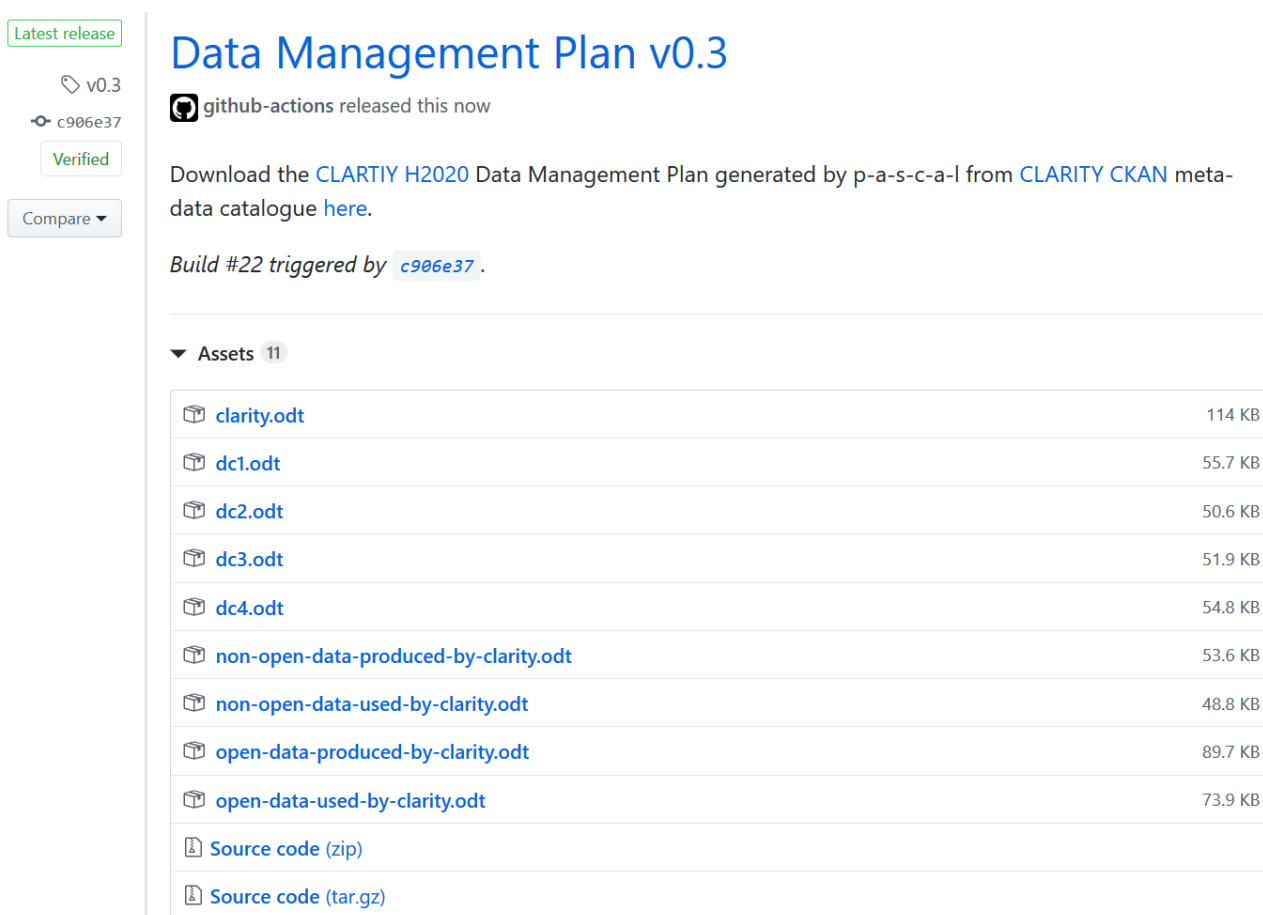
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Annex I – CLARITY meta-data catalogue offline snapshot

The online CLARITY meta-data catalogue¹⁷ reports on all datasets produced and used within the project. It has been used as a “living” DMP during the course of the project. Datasets therein are described by meta-data compliant to the DataCite¹⁸ metadata schema with CLARITY-specific extensions. The actual data is not stored in the meta-data catalogue directly but in the repositories of the original data provider (data used) and in private (non-open data produced) or public (open data produced) repositories selected or maintained by CLARITY partners. Thereby, the default repository for depositing open data produced by CLARITY is the Zenodo research data repository¹⁹. The meta-data in the catalogue contains either the public URL for accessing the dataset and/or the contact details of the responsible data provider for requesting access to (non-public) data.

Additionally, CLARITY team has implemented a fully automatic procedure to generate offline documents out of the online catalogue (Figure 24). The respective source code is hosted on GitHub²⁰ and can be executed automatically when changes to the online catalogue have been made. Annex I represents therefore the offline DMP as of May 2020.



Data Management Plan v0.3

Latest release
v0.3
c906e37
Verified
Compare

github-actions released this now

Download the [CLARITY H2020 Data Management Plan](#) generated by p-a-s-c-a-l from [CLARITY CKAN](#) meta-data catalogue [here](#).

Build #22 triggered by [c906e37](#).

Assets 11

 clarity.odt	114 KB
 dc1.odt	55.7 KB
 dc2.odt	50.6 KB
 dc3.odt	51.9 KB
 dc4.odt	54.8 KB
 non-open-data-produced-by-clarity.odt	53.6 KB
 non-open-data-used-by-clarity.odt	48.8 KB
 open-data-produced-by-clarity.odt	89.7 KB
 open-data-used-by-clarity.odt	73.9 KB
 Source code (zip)	
 Source code (tar.gz)	

Figure 24: CLARITY DMP releases

¹⁷ <https://ckan.myclimateservice.eu/>

¹⁸ <https://schema.datacite.org/>

¹⁹ <https://zenodo.org/communities/clarity>

²⁰ <https://github.com/clarity-h2020/data-management-plan/>

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1. Open Data produced by CLARITY

Dataset: 95th percentile of daily minimum temperature

Definition: Average annual 95th percentile of daily minimum temperature

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily minimum temperature. Results are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP4.5 and RCP8.5.

ID	95th-percentile-of-daily-minimum-temperature
Version	1.0
Organisation	DC4 - Spain
Category	Open Data produced by CLARITY
Author	MITECO/AEMET
Author E-Mail	n/a
Maintainer	adaptecca
Maintainer E-Mail	mpostigog@aemet.es
License	Creative Commons Attribution
Meta-Data created	2020-05-21T10:54:11.846689
Meta-Data modified	2020-05-21T10:56:57.593888
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/95th-percentile-of-daily-minimum-temperature
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	EURO-CORDEX;Temperature;open-data;output-data
Area coverage	Spain
Percentil 95 temperatura minima diaria	°C
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios

Resource: escenarios.adaptecca.es

Average annual 95th percentile of daily minimum temperature

Created	2020-05-21T10:56:57.371506
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://escenarios.adaptecca.es/

Dataset: 99th temperature range

Definition: difference of the 99th percentile of maximum of maximum temperature and the 99th percentile of minimum of minimum temperature.

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily

maximum temperature and daily minimum temperature.

Results are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP4.5 and RCP8.5.

ID	99th-temperature-range
Version	1.0
Organisation	DC4 - Spain
Category	Open Data produced by CLARITY
Author	MITECO/AEMET
Author E-Mail	mpostigog@aemet.es
Maintainer	adaptecca
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-05-21T10:31:51.591126
Meta-Data modified	2020-05-21T10:34:24.085082
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/99th-temperature-range
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	EURO-CORDEX;Hazard Characterisation;Temperature;open-data;output-data
Area coverage	Spain
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios

Resource: 99th temperature range

Difference of the 99th percentile of maximum of maximum temperature and the 99th percentile of minimum of minimum temperature

Created	2020-05-21T10:33:50.915046
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://escenarios.adaptecca.es/

Dataset: 5th percentile of daily minimum temperature

Definition: Average annual 5th percentile of daily minimum temperature

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily minimum temperature.

Results are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP4.5 and RCP8.5.

ID	5th-percentile-of-daily-minimum-temperature
Version	1.0

Organisation	DC4 - Spain
Category	Open Data produced by CLARITY
Author	MITECO/AEMET
Author E-Mail	mpostigog@aemet.es
Maintainer	adaptecca
Maintainer E-Mail	mpostigog@aemet.es
License	Creative Commons Attribution
Meta-Data created	2020-05-21T08:30:47.211685
Meta-Data modified	2020-05-21T09:54:00.863361
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/5th-percentile-of-daily-minimum-temperature
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	EURO-CORDEX;Hazard Characterisation;Temperature;open-data;output-data
Area coverage	Spain
Percentil 5 temperatura minima diaria	°C
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Resource: 5th percentile of daily minimum temperature	
Results are available for historical (1971-200) and future (2011-2040, 2041-2070, 2071-2100) time periods and RCP4.5 y RCP8.5	
Created	2020-05-21T08:33:38.774979
Last modified	n/a
Size	n/a
Format	CSV
URL	https://escenarios.adaptecca.es/

Dataset: Water

Urban Atlas based data subset, where every element with CODE 50000 was extracted as a water element with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(polygon,3035)
 albedo real
 emissivity real
 transmissivity real
 vegetation_shadow real
 run_off_coefficient real
 building_shadow smallint

This data is an input for local effects calculation.

ID	water
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T15:45:10.488633
Meta-Data modified	2020-05-06T11:20:24.189732
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/water
Source URL	http://services.clarity-h2020.eu:8080/geoserver
Keywords	CLARITY;Land Use;Local Effects;Urban Atlas;Water;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/record/2562214

Resource: clarity:water

Vectorial (Polygon) EPSG:3035
GML, GeoJSON, CSV, Shapefile

Created	2019-02-04T15:49:58.655986
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Awater&outputFormat=shape-zip

Resource: clarity:water

Image EPSG:3035
png, gif, jpg

Created	2019-02-04T15:59:57.509321
----------------	----------------------------

Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Awater&bbox=4647680.5%2C1947469.875%2C4709668.0%2C2005923.75&width=768&height=724&srs=EPSG%3A3035&format=image%2Fgif

Resource: water.zip

Data archived in Zenodo repository.

Created	2020-05-06T11:20:24.224804
Last modified	n/a
Size	n/a
Format	ZIP
URL	https://zenodo.org/record/2562214

Dataset: Heat scenarios over Stockholm

A number of heat scenarios studying how green infrastructure would affect the future climate of Stockholm.

The dataset consist of a number of scenarios whisch simulates how building plans could affect heat exposure in Stockholm. The scenarios are:

Stockholm 2014: Baseline scenario simulating the heat vawe during the summer of 2014 in Stockholm

Stockholm 2030: Simulating the effects of the heatvawe 2014 with new biolding accrding to plans for city expansion 2030.

Stockholm 2050: Simulating the effects of the heatvawe 2014 with new buildings according to available plans for city expansion 2050.

Grey Scenario: Simulating the effects of the heatvawe 2014 in a city where green infrastructure has been minimized.

Owner: SMHI

ID	heat-scenarios-over-stockholm
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data produced by CLARITYOpen Data used by CLARITY
Author	SMHI
Author E-Mail	n/a
Maintainer	Jorge Amorim
Maintainer E-Mail	jorge.amorim@smhi.se
License	Creative Commons Attribution Share-Alike

Meta-Data created	2018-12-05T13:35:37.379418
Meta-Data modified	2020-05-06T11:17:30.321802
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/heat-scenarios-over-stockholm
Source URL	n/a
Keywords	CLARITY;DC2;Green infrastructure;Heat;Stockholm;WP2;Zenodo;output-data
Area Coverage	Stockholm
Data availability	Example is available
Date of Survey	present 2030 and 2050
Resolution/Scale	Hourly
Type	Meteorological data
Use within modelling workflow	DC2 workflows involving Stockholm
Used as input for	Pre-study, expert studies
Zenodo	https://zenodo.org/record/3796277

Resource: Stockholm 2030

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:07.822034
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/Summer2030/catalog.html

Resource: Stockholm 2050

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:28.626334
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/Summer2050/catalog.html

Resource: Stockholm 2014

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:44.119575
----------------	----------------------------

Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/Summer2014/catalog.html

Resource: Grey Scenario

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:57.978575
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/NO_urban_vegetation/catalog.html

Resource: NO_urban_vegetation.zip

Data archived in Zenodo repository.

Created	2020-05-06T11:15:57.609707
Last modified	n/a
Size	n/a
Format	ZIP
URL	https://zenodo.org/record/3796277/files/NO_urban_vegetation.zip?download=1

Resource: Summer2014.zip

Data archived in Zenodo repository

Created	2020-05-06T11:16:33.707697
Last modified	n/a
Size	n/a
Format	ZIP
URL	https://zenodo.org/record/3796277/files/Summer2014.zip?download=1

Resource: Summer2030.zip

Data archived in Zenodo repository.

Created	2020-05-06T11:17:07.312194
Last modified	n/a
Size	n/a
Format	ZIP
URL	https://zenodo.org/record/3796277/files/Summer2030.zip?download=1

Resource: Summer2050.zip

Data archived in Zenodo repository

Created 2020-05-06T11:17:30.356275
Last modified n/a
Size n/a
Format ZIP
URL <https://zenodo.org/record/3796277/files/Summer2050.zip?download=1>

Dataset: Microclimate simulations

For test sites/areas: Altstadt, Grüne Mitte, Tabakfabrik, Dense inner city block

Output parameters: e.g. air temperature, mean radiant temperature, relative humidity, wind fields

Simulations done with ENVI MET & Grasshopper/Rhinoceros 3D

Owner: AIT

ID envimet-microclimate-simulations
Version 1.0
Organisation DC3 - Austria
Category Open Data produced by CLARITY
Author AIT
Author E-Mail n/a
Maintainer Romana Stollnberger
Maintainer E-Mail Romana.Stollnberger@ait.ac.at
License Other (Not Open)
Meta-Data created 2019-01-21T13:53:44.093254
Meta-Data modified 2020-04-30T09:12:58.366863
Meta-Data URL <https://ckan.myclimateservice.eu/dataset/envimet-microclimate-simulations>
Source URL n/a
Keywords DC3;output-data
Area Coverage various sub-domains within Linz
Date of Survey temperature peak days
Input for microclimate simulations, wind fields simulation
Resolution/Scale 2 meters
Type 24h future microclimate simulation based on model results of peak heat days
Use within modelling workflow expert study, adaptation options

Resource: Input data and results

Presentation of used methodology, input data, results and adaptation measures

Created 2020-04-21T08:04:49.517763
Last modified n/a
Size n/a

Format PDF

URL <https://zenodo.org/record/3759363>

Dataset: Maximum wind speed (Fmax)

Definition: Annual maximum of daily maximum wind speed, average over 30 year time-period

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily maximum wind speed.

Results (ensemble mean and ensemble standard deviation) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	maximum-wind-speed-fmax
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Claudia Hahn
Author E-Mail	claudia.hahn@zamg.ac.at
Maintainer	Claudia Hahn
Maintainer E-Mail	claudia.hahn@zamg.ac.at
License	Creative Commons Attribution
Meta-Data created	2019-02-08T12:34:09.798640
Meta-Data modified	2020-04-06T13:10:28.239165
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/maximum-wind-speed-fmax
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;Storms;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: Fmax 1971-2000 ensmean

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the baseline period 1971-2000, calculated from the following EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T12:36:33.854816
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: Fmax 1971-2000 ensstd

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the baseline period 1971-2000, calculated from the following EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T10:51:10.810785
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: Fmax 2011-2040 RCP2.6 ensmean

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2011-2040 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:10:44.546774
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: Fmax 2011-2040 RCP2.6 ensstd

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2011-2040 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
 * DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:12:50.290365
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2041-2070 RCP2.6 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2041-2070 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:22:25.686409
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2041-2070 RCP2.6 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2041-2070 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:23:32.753922
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2071-2100 RCP2.6 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2071-2100 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:24:36.159477
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2071-2100 RCP2.6 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2071-2100 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:25:48.971428
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2011-2040 RCP4.5 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2011-2040 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:32:14.698931
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2011-2040 RCP4.5 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2011-2040 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:33:12.100267

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2041-2070 RCP4.5 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the future period 2041-2070 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:14:28.531226

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2041-2070 RCP4.5 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2041-2070 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T11:18:46.421426

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2071-2100 RCP4.5 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2071-2100 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:34:34.543613

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2071-2100 RCP4.5 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2071-2100 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:35:39.733668

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2011-2040 RCP8.5 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2011-2040 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:36:44.959331

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2011-2040 RCP8.5 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2011-2040 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:38:05.052297
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2041-2070 RCP8.5 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2041-2070 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:39:28.812458
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2041-2070 RCP8.5 ensstd*

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2041-2070 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:40:43.642476
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707751>

Resource: *Fmax 2071-2100 RCP8.5 ensmean*

Ensemble mean of the mean annual maximum value of daily maximum wind speed for the period 2071-2100 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:41:33.743937

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Resource: Fmax 2071-2100 RCP8.5 ensstd

Ensemble standard deviation of the mean annual maximum value of daily maximum wind speed for the period 2071-2100 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T12:43:26.905931

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707751>

Dataset: 98th percentile of daily maximum wind speed

Definition: Average annual 98th percentile of daily maximum wind speed

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily maximum wind speed.

Results (ensemble mean and ensemble standard deviation) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	98th-percentile-of-daily-maximum-wind-speed
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Claudia Hahn
Author E-Mail	claudia.hahn@zamg.ac.at
Maintainer	Claudia Hahn
Maintainer E-Mail	claudia.hahn@zamg.ac.at

License	Creative Commons Attribution
Meta-Data created	2019-02-08T12:44:25.950418
Meta-Data modified	2020-04-06T13:10:10.261629
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/98th-percentile-of-daily-maximum-wind-speed
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data;wind
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: Wind98p 1971-2000 ensmean

Ensemble mean of the average annual 98th percentile of daily maximum wind speed for the baseline period 1971-2000, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-08T12:45:39.382815
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3707882

Resource: Wind98p 1971-2000 ensstd

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 1971-2000, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-18T14:56:18.706516
Last modified	n/a
Size	n/a
Format	NetCDF

URL <https://zenodo.org/record/3707882>

Resource: Wind98p 2011-2040 RCP2.6 ensmean

Ensemble mean of the average annual 98th percentile of the daily maximum wind speed for the future period 2011-2040 under the RCP2.6 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:33:33.695051

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707882>

Resource: Wind98p 2011-2040 RCP2.6 ensstd

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2011-2040 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T14:57:22.514588

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707882>

Resource: Wind98p 2011-2040 RCP4.5 ensmean

Ensemble mean of the average annual 98th percentile of the daily maximum wind speed for the future period 2011-2040 under the RCP4.5 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:33:56.960224

Last modified n/a

Size n/a

Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2011-2040 RCP4.5 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2011-2040 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T14:58:25.650866
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2011-2040 RCP8.5 ensmean*

Ensemble mean of the average annual 98th percentile of daily maximum wind speed for the future period 2011-2040 under the RCP8.5 scenario, , calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:35:05.000866
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2011-2040 RCP8.5 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2011-2040 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T14:59:24.135357
Last modified n/a
Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2041-2070 RCP2.6 ensmean*

Ensemble mean of the average annual 98th percentile of the daily maximum wind speed for the future period 2041-2070 under the RCP2.6 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:35:55.574856

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2041-2070 RCP2.6 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2041-2070 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T15:01:31.135901

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2041-2070 RCP4.5 ensmean*

Ensemble mean of the average annual 98th percentile of the daily maximum wind speed for the future period 2041-2070 under the RCP4.5 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:36:19.250230

Last modified n/a

Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2041-2070 RCP4.5 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2041-2070 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T15:02:48.906037
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2041-2070 RCP8.5 ensmean*

Ensemble mean of the average annual 98th percentile of the daily maximum wind speed for the future period 2041-2070 under the RCP8.5 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:36:46.072753
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2041-2070 RCP8.5 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2041-2070 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T15:03:56.311653

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2071-2100 RCP2.6 ensmean*

Ensemble mean of the average annual 98th percentile of the daily maximum wind speed for the future period 2071-2100 under the RCP2.6 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:37:38.599345
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2071-2100 RCP2.6 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2071-2100 under the scenario RCP2.6, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T15:04:57.271240
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2071-2100 RCP4.5 ensmean*

Ensemble mean of the average annual 98th percentile of daily maximum wind speed for the future period 2071-2100 under the RCP4.5 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:40:14.741181

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2071-2100 RCP4.5 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2071-2100 under the scenario RCP4.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T15:05:44.507052
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2071-2100 RCP8.5 ensmean*

Ensemble mean of the average annual 98th percentile of daily maximum wind speed for the future period 2071-2100 under the RCP8.5 scenario, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:40:38.271058
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3707882>

Resource: *Wind98p 2071-2100 RCP8.5 ensstd*

Ensemble standard deviation of the average annual 98th percentile of the daily maximum wind speed for the period 2071-2100 under the scenario RCP8.5, calculated from the following EURO-CORDEX model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-18T15:06:28.150909

Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3707882

Dataset: Hot days (Tx90p)

Definition: Number of days per time period where daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window centred on each calendar day of a given 30 year climate reference period

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	hot-days-tx90p
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Creative Commons Attribution
Meta-Data created	2019-02-11T15:40:07.895252
Meta-Data modified	2020-04-03T15:31:13.963894
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hot-days-tx90p
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: Tx90p 1971-2000

Warm days (Tmax > 90th percentile of reference period) in 1971-2000

Created 2019-02-11T15:42:13.994741

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2011-2040 RCP2.6 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:25:31.907884
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:30:24.786016
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2011-2040 RCP4.5 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:26:01.145049
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:30:41.329178
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2011-2040 RCP8.5 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:26:17.416468
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:31:00.007074

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2041-2070 RCP2.6 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:26:41.191772

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:31:22.112081

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2041-2070 RCP4.5 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:27:09.378239
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:31:45.408945
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2041-2070 RCP8.5 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:27:35.713214
Last modified n/a
Size n/a
Format NetCDF

URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2041-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:32:06.982555

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2071-2100 RCP2.6 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:28:05.879283

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:32:25.993262

Last modified n/a

Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2071-2100 RCP4.5 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:28:30.970394
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:32:50.294788
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2071-2100 RCP8.5 ensmean

An ensemble mean of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:28:51.742154
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Resource: Tx90p 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the average number of days that the daily maximum temperature is above the 90th percentile of daily maximum temperatures of a five day window for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:33:10.458681
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632408#.XjP3K2uCHoo>

Dataset: Hot days (HD)

Definition: Number of days with daily maximum temperature above 30°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean and standard deviation) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

The bias-corrected EURO-CORDEX climate model simulations used are:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

ID hot-days-hd
Version 1.0
Organisation CLARITY
Category Open Data produced by CLARITY
Author Robert Goler
Author E-Mail robert.goler@zamg.ac.at

Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2020-01-30T06:56:44.741392
Meta-Data modified	2020-04-03T15:27:21.617636
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hot-days-hd
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;WP3;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: HD 1971-2000

The mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the baseline period 1971-2000.

Created	2020-01-30T06:57:53.335309
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631508#.XjLhdLSCHoo

Resource: HD 2011-2040 RCP2.6 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-01-30T07:03:54.151912
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631508#.XjLhdLSCHoo

Resource: HD 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:04:19.741142

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2011-2040 RCP4.5 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:04:54.270641

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:05:22.596479

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2011-2040 RCP8.5 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:05:54.492090

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:06:21.354753

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2041-2070 RCP2.6 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:06:57.795303

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:07:33.437096
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2041-2070 RCP4.5 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:08:04.559099
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:08:39.824040
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2041-2070 RCP8.5 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:09:04.087585

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:09:30.302135

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2071-2100 RCP2.6 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:10:06.146281

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate

model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:10:42.769786
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2071-2100 RCP4.5 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:11:15.104143
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:11:47.234537
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2071-2100 RCP8.5 ensmean

An ensemble mean of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:12:20.500567
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Resource: HD 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of hot days ($T_{max} > 30^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:12:53.633753
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631508#.XjLhdLSCHoo>

Dataset: Consecutive Frost Days (CFD)

Definition: Maximum number of consecutive days per time period with daily minimum temperature below 0°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface minimum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID consecutive-frost-days-cfd
Version 1.0
Organisation CLARITY
Category Open Data produced by CLARITY
Author Robert Goler

Author E-Mail	robert.goler@zamg.ac.at
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License	Creative Commons Attribution
Meta-Data created	2019-02-06T16:46:54.033778
Meta-Data modified	2020-04-03T15:24:54.823821
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/consecutive-frost-days-cfd
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;WP3;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: CFD 1971-2000

Maximum number of consecutive days per year with daily minimum temperature below 0°C, averaged over the period 1971 and 2000

Created	2019-02-06T16:48:29.657127
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631667#.XjL2zLSCHoo

Resource: CFD 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-06T16:49:37.989149
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631667#.XjL2zLSCHoo

Resource: CFD 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:23:19.113847
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:49:56.411756
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:23:45.563405
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

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Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

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Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

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Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:25:10.534976
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2041-2070 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:50:54.907230
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:25:38.611736
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2041-2070 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:51:12.235517
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:26:05.004378
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:51:37.637102
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:26:27.295071
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2071-2100 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:52:06.400919
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: CFD 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:26:50.309623
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: *CFD 2071-2100 RCP8.5 ensmean*

An ensemble mean of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:52:26.007276
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Resource: *CFD 2071-2100 RCP8.5 ensstd*

An ensemble standard deviation of the maximum annual number of consecutive frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T11:27:10.961628
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631667#.XjL2zLSCHoo>

Dataset: Very heavy precipitation days (R20mm)

Definition: Number of days per time period with daily precipitation equal or greater than 20 mm

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID very-heavy-precipitation-days-r20mm
Version 1.0
Organisation CLARITY
Category Open Data produced by CLARITY
Author Robert Goler

Author E-Mail	robert.goler@zamg.ac.at
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License	Other (Open)
Meta-Data created	2019-02-07T17:44:32.062008
Meta-Data modified	2020-04-03T15:23:03.847296
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/very-heavy-precipitation-days-r20mm
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: RR20 1971-2000

Annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the baseline period 1971-2000.

Created	2019-02-07T17:47:26.496262
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634646#.XjgoNWuCHoo

Resource: RR20 2011-2040 RCP2.6 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-03T13:42:33.872860
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634646#.XjgoNWuCHoo

Resource: RR20 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:46:32.264666
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2011-2040 RCP4.5 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:43:01.264200
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:46:49.036755
Last modified n/a
Size n/a
Format NetCDF

URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2011-2040 RCP8.5 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:43:17.622043

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:47:06.256064

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2041-2070 RCP2.6 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:43:39.006593

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:47:24.497576

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2041-2070 RCP4.5 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:44:00.610403

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:47:42.923698

Last modified n/a

Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2041-2070 RCP8.5 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:44:22.725912
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:48:09.553144
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2071-2100 RCP2.6 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:44:38.777573

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:48:27.068297
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2071-2100 RCP4.5 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:44:58.041590
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:48:47.303152
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2071-2100 RCP8.5 ensmean

An ensemble mean of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:45:18.906964
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Resource: RR20 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the annual number of heavy precipitation days (daily precipitation ≥ 20 mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T13:49:10.184888
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634646#.XjgoNWuCHoo>

Dataset: Consecutive Dry Days (CDD)

Definition: Maximum number of consecutive days with daily precipitation amount < 1 mm

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	consecutive-dry-days-cdd
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-08T12:00:27.555292
Meta-Data modified	2020-04-03T15:19:58.273569
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/consecutive-dry-days-cdd
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: CDD 1971-2000

Maximum number of consecutive dry days per year, averaged over the baseline period 1971-2000

Created	2019-02-08T12:01:04.678978
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3635289#.Xjkpp2uCHoo

Resource: CDD 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

* DMI-HIRHAM5/ICHEC-EC-EARTH

* KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T13:53:35.393137
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:04:23.742007
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:09:22.012503
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:04:41.999534
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:10:20.059431
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:05:00.807569
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:11:28.448549
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:05:31.831600
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2041-2070 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:12:00.218815
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:05:57.716584
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2041-2070 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:12:33.689002
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:06:17.906782
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:13:11.315920
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:06:35.006133
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2071-2100 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:13:44.307465
Last modified n/a
Size n/a
Format NetCDF

URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:07:08.885089

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2071-2100 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-08T14:14:03.591975

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Resource: CDD 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive dry days (daily rainfall < 1mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T08:07:32.222116

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635289#.Xjkpp2uCHoo>

Dataset: Summer days (SD)

Definition: Number of days with daily maximum temperature above 25°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean and standard deviation) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

The bias-corrected EURO-CORDEX climate model simulations used are:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

ID	summer-days-sd
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-05T14:53:24.279288
Meta-Data modified	2020-04-02T12:40:30.045777
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/summer-days-sd
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;WP3;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: SD 1971-2000

The mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the baseline period 1971-2000.

Created 2019-02-05T14:53:50.079909
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2011-2040 RCP2.6 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:07:46.376847
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:18:24.030057
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2011-2040 RCP4.5 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:10:39.116407
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:21:35.715963
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2011-2040 RCP8.5 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:11:06.932700
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:25:18.324301

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2041-2070 RCP2.6 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:14:50.918570
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:17:42.433571
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2041-2070 RCP4.5 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:15:38.867187
Last modified n/a

Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:21:05.927125
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2041-2070 RCP8.5 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:17:49.457575
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:25:46.175524
Last modified n/a
Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2071-2100 RCP2.6 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:18:57.118940

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:15:53.577044

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2071-2100 RCP4.5 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:20:34.695876

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:20:32.178478

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2071-2100 RCP8.5 ensmean

An ensemble mean of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:22:00.990227

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Resource: SD 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T13:26:21.600691

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631582#.XjLtfrSCHoo>

Dataset: Agricultural areas

Urban Atlas based data subset, where every element with CODE 21000,22000,23000,24000 and 25000 was extracted as an agricultural area with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon,EPSG:3035)
 albedo real
 emissivity real
 transmissivity real
 vegetation_shadow real
 run_off_coefficient real
 building_shadow smallint

This data is an input for local effects calculation.

ID	agricultural-areas
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T16:59:06.751315
Meta-Data modified	2020-04-01T09:16:18.725961
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/agricultural-areas
Source URL	http://services.clarity-h2020.eu:8080/geoserver
Keywords	Agricultural areas;CLARITY;Land Use;Local Effects;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2562232

Resource: clarity:agricultural_sreas

Image EPSG:3035
 png, gif, jpg

Created	2019-02-04T16:59:39.280717
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Aagricultural_areas&bbox=4647975.0%2C1948174.625%2C4719495.0%2C2007715.625&width=768&height=639&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:agricultural_areas

Vectorial (Polygon) EPSG:3035
GML, GeoJSON, CSV, Shapefile

Created	2019-02-04T17:00:23.573998
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Aagricultural_areas&outputFormat=shape-zip

Dataset: Built_up

ESM data subset, generated by extracting band 50 as buildings with the next information:

gid integer
geom geometry(Polygon, EPSG:3035)
albedo real
emissivity real
transmissivity real
vegetation_shadow real
run_off_coefficient real
building_shadow smallint
height real

This data is an input for local effects calculation.

ID	built_up
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)

Meta-Data created	2019-02-04T17:06:44.780123
Meta-Data modified	2020-03-03T14:03:48.332531
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/built_up
Source URL	http://services.clarity-h2020.eu:8080/geoserver/
Keywords	Buildings;CLARITY;ESM;Land Use;Local Effects;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2560323

Resource: clarity:built_up

Image EPSG:3035
gif, png, jpg

Created	2019-02-04T17:07:52.920971
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Abuilt_up&bbox=4644000.0%2C1842000.0%2C4844000.0%2C2042000.0&width=768&height=768&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:built_up

Vectorial (Polygons) EPSG:3025
GML, GeoJSON, CSV, Shapefile

Created	2019-02-04T17:08:31.994870
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Abuilt_up&outputFormat=shape-zip

Dataset: Hot days: Number of days when Tmax > 75th percentile (Apr-Sept)

Definition: Number of days where the daily maximum temperature exceeds the 75th percentile of maximum temperature during the baseline period 1971-2000 for the warm months April-September.

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily

near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

The calculation method for this index is taken from the UrbanSIS project:

<http://urbansis.climate.copernicus.eu/hot-days-per-year/>

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	number-of-days-when-tmax-75th-percentile-apr-sept
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Creative Commons Attribution
Meta-Data created	2019-02-06T16:28:33.134177
Meta-Data modified	2020-02-26T11:21:14.900322
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/number-of-days-when-tmax-75th-percentile-apr-sept
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	EURO-CORDEX;WP3;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: Tx75p 1971-2000

An ensemble mean and standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:30:53.564405
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2011-2040 RCP2.6 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:32:01.049555
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2011-2040 RCP4.5 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:32:37.890438
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2011-2040 RCP8.5 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:38:47.463270
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2041-2070 RCP2.6 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:40:03.169785
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2041-2070 RCP4.5 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:40:43.210391
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2041-2070 RCP8.5 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP8.5, calculated from

the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:41:05.845856
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2071-2100 RCP2.6 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:42:12.628800
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2071-2100 RCP4.5 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:43:01.575495
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2071-2100 RCP8.5 ensmean

An ensemble mean of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T16:43:42.238779
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:09:42.093697
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:10:04.665991
Last modified n/a
Size n/a
Format NetCDF

URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:10:26.730382

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:10:50.025499

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:11:15.001987
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:11:43.033153
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-26T11:12:06.764790
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3687620#.XIY6LWuCHoo>

Resource: Tx75p 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-26T11:12:33.186364
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3687620#.XIY6LWuCHoo

Resource: Tx75p 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the number of days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-26T11:12:57.557310
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3687620#.XIY6LWuCHoo

Dataset: Hot days: Maximum number of consecutive days when Tmax > 75th percentile

Definition: Maximum number of consecutive days per year where the maximum air temperature at 2 m above ground exceeds the 75th percentile during summer months (Apr-Sep) in the period 1971-2000

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface mean temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	hot-days-max-number-of-consecutive-days-when-tmax-75th-percentile
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY

Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-05T14:30:31.716161
Meta-Data modified	2020-02-25T13:22:34.092573
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hot-days-max-number-of-consecutive-days-when-tmax-75th-percentile
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	Climate Indicators;EURO-CORDEX;WP3;heat;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: Hot days 1971-2000

An ensemble mean and standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-05T14:31:52.446217
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3686570#.XITQq2uCHoo

Resource: Hot days 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T14:35:09.615069

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3686570#.XITQq2uCHoo>

Resource: Hot days 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:49:58.087448

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3686570#.XITQq2uCHoo>

Resource: Hot days 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:43:24.318189

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3686570#.XITQq2uCHoo>

Resource: Hot days 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-25T07:50:21.486288
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3686570#.XITQq2uCHoo

Resource: Hot days 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-05T15:46:31.533914
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3686570#.XITQq2uCHoo

Resource: Hot days 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:50:41.908564
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T14:35:38.446740
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:51:00.040411
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2041-2070 RCP4.5 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP4.5,

calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:44:43.159828
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:51:21.790006
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2041-2070 RCP8.5 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:47:19.359944
Last modified n/a
Size n/a

Format NetCDF

URL <https://zenodo.org/record/3686570#.XITQq2uCHoo>

Resource: Hot days 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:51:42.307166

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3686570#.XITQq2uCHoo>

Resource: Hot days 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T14:36:03.403310

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3686570#.XITQq2uCHoo>

Resource: Hot days 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:51:58.966418
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2071-2100 RCP4.5 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 - DMI-HIRHAM5/ICHEC-EC-EARTH
 - KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 - SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:46:02.472827
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 - DMI-HIRHAM5/ICHEC-EC-EARTH
 - KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 - SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:52:18.869533
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2071-2100 RCP8.5 ensmean

An ensemble mean of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:47:52.335073
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Resource: Hot days 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the maximum number of consecutive days that the maximum daily temperature is above the 75th percentile of the daily maximum temperatures during the warm season of April-September in the period 1971-2000. This is calculated for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- DMI-HIRHAM5/ICHEC-EC-EARTH
- KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-25T07:52:38.123535
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3686570#.XITQ2uCHoo>

Dataset: Vegetation

ESM and Urban Atlas based data subset, where every Urban atlas element with CODE 14100,14200,32000,33000 was extracted together with band40 ESM elements to gather all as vegetation elements with the next combined information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon,EPG:3035),
 albedo real
 emissivity real
 transmissivity real
 vegetation_shadow real

run_off_coefficient real
building_shadow smallint

This data is an input for local effects calculation.

ID	vegetation
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T16:46:57.254197
Meta-Data modified	2020-02-24T10:43:02.114645
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/vegetation
Source URL	http://services.clarity-h2020.eu:8080/geoserver
Keywords	CLARITY;ESM;Land Use;Local Effects;Urban Atlas;Vegetation;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2560328

Resource: clarity:vegetation

Image EPSG:3035

png, gif, jpg

Created	2019-02-04T16:47:23.679444
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Avegetation&bbox=4647780.5%2C1947569.625%2C4719056.0%2C2007621.75&width=768&height=647&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:vegetation

Vectorial (Polygons) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created 2019-02-04T16:48:02.243393

Last modified n/a

Size n/a

Format WFS

URL <http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Avegetation&outputFormat=shape-zip>

Dataset: Snow days

Definition: Number of days with snow precipitation > 1cm (precipitation > 1mm & temperature < 4°C)

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature and precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	snow-days
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-13T08:57:13.635011
Meta-Data modified	2020-02-21T12:59:51.239433
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/snow-days
Source URL	https://esgf-data.dkrz.de/projects/esgf-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: Snow days 1971-2000

Annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the baseline period 1971-2000, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T08:57:34.538338
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2011-2040 RCP2.6 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:01:55.629012
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:35:48.267079
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2011-2040 RCP4.5 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2011-2040 under the scenario RCP4.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:02:19.832371
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3678203#.Xk-fWuCHoo>

Resource: Snow days 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:36:10.549679
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3678203#.Xk-fWuCHoo>

Resource: Snow days 2011-2040 RCP8.5 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:02:33.811779
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3678203#.Xk-fWuCHoo>

Resource: Snow days 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:36:36.830230
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2041-2070 RCP2.6 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:02:54.852653
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:37:11.234622
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2041-2070 RCP4.5 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:03:05.652373
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:37:25.964048
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2041-2070 RCP8.5 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:03:15.640524
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:37:46.026919
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2071-2100 RCP2.6 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:03:49.641243
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:38:05.530936
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/record/3678203#.Xk-_fWuCHoo

Resource: Snow days 2071-2100 RCP4.5 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:04:04.860529
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3678203#.Xk-fWuCHoo>

Resource: Snow days 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-21T12:38:22.953593
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3678203#.Xk-fWuCHoo>

Resource: Snow days 2071-2100 RCP8.5 ensmean

An ensemble mean of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-13T09:04:18.151654
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3678203#.Xk-fWuCHoo>

Resource: *Snow days 2071-2100 RCP8.5 ensstd*

An ensemble standard deviation of the annual average number of days that the daily precipitation is equal to or greater than 1mm and the maximum temperature is below 4°C for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-21T12:38:40.560666
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3678203#.Xk-fWuCHoo

Dataset: Frost days (FD)

Definition: Number of days with daily minimum temperature below 0°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface minimum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	frost-days-fd
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-06T16:56:18.324706
Meta-Data modified	2020-02-20T10:51:11.346186
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/frost-days-fd
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100

Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: FD 1971-2000

Mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the baseline period 1971-2000

Created	2019-02-06T16:57:38.546119
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632322#.XjPjWmuCHoo

Resource: FD 2011-2040 RCP2.6 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T07:55:22.459756
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632322#.XjPjWmuCHoo

Resource: FD 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-01-31T08:29:33.797950
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632322#.XjPjWmuCHoo

Resource: FD 2011-2040 RCP4.5 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T07:56:18.431061
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:30:20.621975
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2011-2040 RCP8.5 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T07:56:40.333345
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:30:51.727827
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2041-2070 RCP2.6 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T07:57:50.459401
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:31:14.011388
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2041-2070 RCP4.5 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T07:58:14.632347
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:31:37.112911
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2041-2070 RCP8.5 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T07:58:40.034801
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:32:08.097832
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2071-2100 RCP2.6 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T07:59:26.199339
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:32:31.030241
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2071-2100 RCP4.5 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:00:00.445654
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T08:32:56.126063
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2071-2100 RCP8.5 ensmean

An ensemble mean of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:00:27.808155
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632322#.XjPjWmuCHoo>

Resource: FD 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of frost days ($T_{min} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-01-31T08:33:22.499430
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632322#.XjPjWmuCHoo

Dataset: Ice days (ID)

Definition: Number of days with daily maximum temperature below 0°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	ice-days-id
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-07T08:03:38.491451
Meta-Data modified	2020-02-20T10:49:53.037424
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/ice-days-id
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100

Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: ID 1971-2000

Mean annual number of ice days ($T_{max} \leq 0$) for the baseline period 1971-2000

Created	2019-02-07T08:04:13.529147
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632361#.XjPqtWuCHoo

Resource: ID 2011-2040 RCP2.6 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T08:11:55.077168
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632361#.XjPqtWuCHoo

Resource: ID 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-01-31T09:12:29.116204
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632361#.XjPqtWuCHoo

Resource: ID 2011-2040 RCP4.5 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:13:37.723161
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:13:03.486083
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2011-2040 RCP8.5 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:14:39.969982
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:13:28.684479
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2041-2070 RCP2.6 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:35:10.401490
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:13:59.895761
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2041-2070 RCP4.5 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:35:56.782312
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:14:30.822524
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2041-2070 RCP8.5 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:36:31.422422
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:14:55.611697
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2071-2100 RCP2.6 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:37:08.815175
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:15:23.890487
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2071-2100 RCP4.5 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T08:37:35.644736
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T09:15:45.112219
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2071-2100 RCP8.5 ensmean

An ensemble mean of the mean annual number of ice days ($T_{max} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T10:42:39.910900
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632361#.XjPqtWuCHoo>

Resource: ID 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of ice days ($T_{\max} < 0^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-01-31T09:16:13.671186
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632361#.XjPqtWuCHoo

Dataset: Extreme temperature range

Definition: Intra-period difference of the maximum of maximum temperature and the minimum of minimum temperature

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum and minimum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	extreme-temperature-range
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-07T16:08:15.872896
Meta-Data modified	2020-02-20T10:40:01.700820
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/extreme-temperature-range
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data

Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: ETR 1971-2000

Extreme temperature range for the baseline period 1971-2000

Created	2019-02-07T16:09:16.152173
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632592#.XjQnBGuCHoo

Resource: ETR 2011-2040 RCP2.6 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T16:09:57.222779
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632592#.XjQnBGuCHoo

Resource: ETR 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-01-31T11:53:17.286494
Last modified	n/a
Size	n/a
Format	NetCDF

URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2011-2040 RCP4.5 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:10:13.447695

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:53:36.637530

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2011-2040 RCP8.5 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:10:36.549619

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:53:56.369454

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2041-2070 RCP2.6 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:11:10.325872

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:54:17.495977

Last modified n/a

Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2041-2070 RCP4.5 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:11:25.860217
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:54:43.574783
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2041-2070 RCP8.5 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:11:40.672654

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:55:08.263168
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2071-2100 RCP2.6 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:12:06.604628
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:55:27.251703
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2071-2100 RCP4.5 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:12:25.391315
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:55:47.955999
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2071-2100 RCP8.5 ensmean

An ensemble mean of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:12:43.561774
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Resource: ETR 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the greatest daily extreme temperature range (Tmax - Tmin) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:56:07.996313
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632592#.XjQnBGuCHoo>

Dataset: Highest one day precipitation amount (RX1day)

Definition: Maximum of one day precipitation amount in a given time period

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID highest-one-day-precipitation-amount-rx1day
Version 1.0
Organisation CLARITY
Category Open Data produced by CLARITY
Author Robert Goler
Author E-Mail robert.goler@zamg.ac.at
Maintainer Robert Goler
Maintainer E-Mail robert.goler@zamg.ac.at
License Other (Open)
Meta-Data created 2019-02-07T16:31:30.648860

Meta-Data modified	2020-02-20T10:39:23.654819
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/highest-one-day-precipitation-amount-rx1day
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: RX1day 1971-2000

Highest one day precipitation amount for the baseline period 1971-2000

Created	2019-02-07T16:32:18.514872
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634456#.Xjf3WGuCHoo

Resource: RX1day 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum one-day precipitation amount for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T16:41:30.876277
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634456#.Xjf3WGuCHoo

Resource: RX1day 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:17:29.184037
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum one-day precipitation amount for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:42:01.698844
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:17:46.146182
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum one-day precipitation amount for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:43:06.042241
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:17:57.560073
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum one-day precipitation amount for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:43:39.767914
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:18:18.633475

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2041-2070 RCP4.5 ensmean*

An ensemble mean of the maximum one-day precipitation amount for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:44:08.854309

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2041-2070 RCP4.5 ensstd*

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:18:40.193480

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2041-2070 RCP8.5 ensmean*

An ensemble mean of the maximum one-day precipitation amount for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:44:37.485786

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:19:02.906407

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum one-day precipitation amount for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:45:12.974025

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: RX1day 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:19:19.901957

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2071-2100 RCP4.5 ensmean*

An ensemble mean of the maximum one-day precipitation amount for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:46:12.231645

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2071-2100 RCP4.5 ensstd*

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:19:39.196699

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2071-2100 RCP8.5 ensmean*

An ensemble mean of the maximum one-day precipitation amount for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:47:04.100245

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Resource: *RX1day 2071-2100 RCP8.5 ensstd*

An ensemble standard deviation of the maximum one-day precipitation amount for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:20:01.571050

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634456#.Xjf3WGuCHoo>

Dataset: Highest five day precipitation amount (RX5day)

Definition: Maximum of one day precipitation amount in a given time period

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID highest-five-day-precipitation-amount-rx5day

Version 1.0

Organisation CLARITY

Category Open Data produced by CLARITY

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License Other (Open)

Meta-Data created	2019-02-07T16:50:57.906958
Meta-Data modified	2020-02-20T10:37:40.638448
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/highest-five-day-precipitation-amount-rx5day
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: RX5day 1971-2000

Highest five day precipitation amount for the baseline period 1971-2000

Created	2019-02-07T16:51:29.318799
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634508#.XjgA1WuCHoo

Resource: RX5day 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T16:52:04.860934
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634508#.XjgA1WuCHoo

Resource: RX5day 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:54:14.597861
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:52:25.196156
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:54:29.211544
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:52:45.270123
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:54:44.161882
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:53:25.194324
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:55:07.615644

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2041-2070 RCP4.5 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:54:06.761850

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:55:26.621969

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2041-2070 RCP8.5 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH

* KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:54:36.801839
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:55:57.224372
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum five-day precipitation amount for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:55:10.064775
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:56:16.461342

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: *RX5day 2071-2100 RCP4.5 ensmean*

An ensemble mean of the maximum five-day precipitation amount for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:56:12.683123

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: *RX5day 2071-2100 RCP4.5 ensstd*

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:56:35.064164

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: *RX5day 2071-2100 RCP8.5 ensmean*

An ensemble mean of the maximum five-day precipitation amount for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:56:33.102782

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Resource: RX5day 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the maximum five-day precipitation amount for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T10:56:57.752786

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634508#.XjgA1WuCHoo>

Dataset: Consecutive Wet Days (CWD)

Definition: Maximum number of consecutive days per time period with daily precipitation amount at least 1 mm

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID consecutive-wet-days-cwd

Version 1.0

Organisation CLARITY

Category Open Data produced by CLARITY

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License	Other (Open)
Meta-Data created	2019-02-07T17:04:52.232871
Meta-Data modified	2020-02-20T10:36:14.034827
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/consecutive-wet-days-cwd
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;Precipitation;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: CWD 1971-2000

Maximum number of consecutive wet days per year, averaged over the baseline period 1971-2000

Created	2019-02-07T17:07:04.624604
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634551#.XjgLXGuCHoo

Resource: CWD 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T17:07:56.011386
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634551#.XjgLXGuCHoo

Resource: CWD 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:50:23.477642

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:08:11.381181

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:50:44.999771

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:08:29.074056
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:51:01.713025
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:08:54.603239
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

* DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:51:18.965259
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2041-2070 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:09:31.743469
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:51:38.606670
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2041-2070 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH

* KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:09:52.172534
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:51:58.457869
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:10:14.546143
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:52:20.421004

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2071-2100 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:10:37.812610

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:52:39.501251

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2071-2100 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive wet days (daily rainfall ≥ 1 mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH

* KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:11:00.856264
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Resource: CWD 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive wet days (daily rainfall $\geq$ 1mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

* DMI-HIRHAM5/ICHEC-EC-EARTH

* KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T11:53:00.676411
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634551#.XjgLXGuCHoo>

Dataset: Wet days (RR1)

Definition: Number of days per time period with daily precipitation of at least 1 mm

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID wet-days-rr1
Version 1.0
Organisation CLARITY
Category Open Data produced by CLARITY
Author Robert Goler
Author E-Mail robert.goler@zamg.ac.at
Maintainer Robert Goler
Maintainer E-Mail robert.goler@zamg.ac.at
License Other (Open)
Meta-Data created 2019-02-07T17:19:56.317991
Meta-Data modified 2020-02-20T10:32:24.022044

Meta-Data URL	https://ckan.myclimateservice.eu/dataset/wet-days-rr1
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: RR1 1971-2000

Mean annual number of wet days ($RR \geq 1\text{mm}$) for the baseline period 1971-2000

Created	2019-02-07T17:23:51.711787
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634638#.XjgnKmuCHoo

Resource: RR1 2011-2040 RCP2.6 ensmean

An ensemble mean of the annual number of wet days (daily precipitation $\geq 1\text{mm}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T17:24:35.067384
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634638#.XjgnKmuCHoo

Resource: RR1 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation $\geq 1\text{mm}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:21:54.703011
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2011-2040 RCP4.5 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:24:49.456499
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:22:09.446481
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2011-2040 RCP8.5 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:25:04.765139
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:22:27.580557
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2041-2070 RCP2.6 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:25:29.725452
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:22:54.186789

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2041-2070 RCP4.5 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:25:45.142000

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:23:17.200295

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2041-2070 RCP8.5 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:26:10.600706

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:23:42.394122

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2071-2100 RCP2.6 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:26:38.982300

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:24:00.557384
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2071-2100 RCP4.5 ensmean

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T17:26:56.646563
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: RR1 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-03T12:24:21.466575
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3634638#.XjgnKmuCHoo>

Resource: *RR1 2071-2100 RCP8.5 ensmean*

An ensemble mean of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-07T17:27:12.346102
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634638#.XjgnKmuCHoo

Resource: *RR1 2071-2100 RCP8.5 ensstd*

An ensemble standard deviation of the annual number of wet days (daily precipitation ≥ 1 mm) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-03T12:24:44.075958
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3634638#.XjgnKmuCHoo

Dataset: Tropical Nights (TN)

Definition: Number of days with daily minimum temperature above 20°C

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface minimum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean and standard deviation) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	tropical-nights-tn
Version	1.0
Organisation	CLARITY

Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-06T08:22:09.439094
Meta-Data modified	2020-02-20T10:28:44.049328
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/tropical-nights-tn
Source URL	https://esgf-data.dkrz.de/projects/esgf-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: TN 1971-2000

Mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the baseline period 1971 - 2000.

Created	2019-02-06T08:49:50.494049
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631622#.XjLwlbSCHoo

Resource: TN 2011-2040 RCP2.6 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-06T09:10:22.112591
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631622#.XjLwlbSCHoo

Resource: TN 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:43:03.346215
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2011-2040 RCP4.5 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:16:20.492284
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:44:51.622061
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2011-2040 RCP8.5 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:24:42.721590
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:46:31.122459
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2041-2070 RCP2.6 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:29:14.600806
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:43:43.666509
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2041-2070 RCP4.5 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:30:28.496553
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:45:24.759137
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2041-2070 RCP8.5 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:31:00.347857
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:47:05.909530
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2071-2100 RCP2.6 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:32:46.387410
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:44:16.111486
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2071-2100 RCP4.5 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:33:48.950779
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:46:03.414418
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2071-2100 RCP8.5 ensmean

An ensemble mean of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-06T09:34:23.696918
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Resource: TN 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the mean annual number of tropical nights ($T_{min} > 20^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-29T14:47:36.470108
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631622#.XjLwlbSCHoo>

Dataset: Consecutive Summer Days (CSU)

Definition: Maximum number of consecutive days per time period with daily maximum temperature above 25°C .

Additional Information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID consecutive-summer-days
Version 1.0
Organisation CLARITY
Category Open Data produced by CLARITY
Author Robert Goler
Author E-Mail robert.goler@zamg.ac.at

Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-05T13:38:59.265415
Meta-Data modified	2020-02-20T10:27:51.870918
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/consecutive-summer-days
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Heat Waves;WP3;heat;output-data
Area Coverage	n/a
Data availability	TBD
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: CSU 1971-2000

Maximum number of consecutive days per year with daily maximum temperature above 25°C, averaged over the period 1971 and 2000

Created	2019-02-05T13:43:10.424902
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631650#.XjL0UrSCHoo

Resource: CSU 2011-2040 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2019-02-05T15:48:51.232425
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3631650#.XjL0UrSCHoo

Resource: CSU 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:32:54.469040
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2011-2040 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:49:25.004084
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:33:24.693859
Last modified n/a
Size n/a
Format NetCDF

URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2011-2040 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:49:52.522990

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:33:44.926769

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2041-2070 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T15:50:21.713425

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:34:08.902969

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2041-2070 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T16:04:30.509631

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:34:32.204931

Last modified n/a

Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2041-2070 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T16:05:05.320517
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:35:01.128743
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2071-2100 RCP2.6 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T16:13:37.445798

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:35:25.017202
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2071-2100 RCP4.5 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T16:13:12.413004
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:35:48.159369
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2071-2100 RCP8.5 ensmean

An ensemble mean of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-05T16:12:33.235698
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Resource: CSU 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the maximum annual number of consecutive summer days ($T_{max} > 25^{\circ}\text{C}$) for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-30T07:36:12.465724
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3631650#.XjL0UrSCHoo>

Dataset: Cold nights (TN10p)

Definition: Percentage of days per time period where daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window centred on each calendar day of a given 30 year climate reference period

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum temperature. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	percentage-of-days-when-tmin-10th-percentile
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-07T15:58:43.473287
Meta-Data modified	2020-02-20T10:26:31.622220
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/percentage-of-days-when-tmin-10th-percentile
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;WP3;open-data;output-data
Area Coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios
Use within modeling workflow	Hazard characterisation
Used as input for	CSIS display

Resource: TN10p 1971-2000

Cold nights ($T_{min} < 10\text{th percentile of baseline period}$) in 1971-2000

Created	2019-02-07T16:00:10.141409
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3632445#.XjP_D2uCHoo

Resource: TN10p 2011-2040 RCP2.6 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES

* DMI-HIRHAM5/ICHEC-EC-EARTH

- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:00:46.212482

Last modified n/a

Size n/a

Format NetCDF

URL https://zenodo.org/record/3632445#.XjP_D2uCHoo

Resource: TN10p 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:55:47.289170

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2011-2040 RCP4.5 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:01:24.242438

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model

simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:56:27.259216
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2011-2040 RCP8.5 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:01:43.179805
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:56:53.826185
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: *TN10p 2041-2070 RCP2.6 ensmean*

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:02:15.337551
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: *TN10p 2041-2070 RCP2.6 ensstd*

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:57:20.839224
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: *TN10p 2041-2070 RCP4.5 ensmean*

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:02:38.254750
Last modified n/a
Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2041-2070 RCP4.5 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:58:09.113596

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2041-2070 RCP8.5 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:03:04.200433

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:58:40.409051

Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2071-2100 RCP2.6 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:03:30.945698
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:59:06.927323
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2071-2100 RCP4.5 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES

* SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:03:54.456393
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T10:59:34.638330
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2071-2100 RCP8.5 ensmean

An ensemble mean of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

* CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
 * DMI-HIRHAM5/ICHEC-EC-EARTH
 * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
 * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2019-02-07T16:04:20.676360
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Resource: TN10p 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the average number of days that the daily minimum temperature is below the 10th percentile of daily minimum temperatures of a five day window for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-01-31T11:00:02.566372

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3632445#.XjQDsGuCHoo>

Dataset: Wet days (RR90p)

Definition: Number of days where precipitation is higher than the calendar 90th percentile (centred on a 5 day window) of the reference period

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily precipitation. All ensemble members are bias-corrected against the gridded daily observational dataset E-OBS with 0.22° spatial resolution.

Results (ensemble mean) are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP2.6, RCP4.5 and RCP8.5.

ID	wet-days-wrt-90th-percentile-of-reference-period
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Robert Goler
Author E-Mail	robert.goler@zamg.ac.at
Maintainer	Robert Goler
Maintainer E-Mail	robert.goler@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-02-11T13:46:51.234195
Meta-Data modified	2020-02-20T10:21:53.591089
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/wet-days-wrt-90th-percentile-of-reference-period
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Indicators;EURO-CORDEX;Europe;Precipitation;WP3;open-data;output-data
Area coverage	Europe (34N - 72N, 10W - 35E)
Date of Survey	1971-2100
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios

Use within modeling workflow Hazard characterisation

Used as input for CSIS display

Resource: RR90p 1971-2000

Wet days (wrt 90th percentile of reference period) in 1971-2000

Created 2019-02-11T15:45:48.648185

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2011-2040 RCP2.6 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:10:28.437761

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2011-2040 RCP2.6 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2011-2040 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:18:17.136022

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2011-2040 RCP4.5 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2011-2040 under the scenario RCP4.5, calculated

from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:10:47.199571
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2011-2040 RCP4.5 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2011-2040 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:18:34.895942
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2011-2040 RCP8.5 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:11:02.834739
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2011-2040 RCP8.5 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2011-2040 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:18:50.264513
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2041-2070 RCP2.6 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2041-2070 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:11:20.027887
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2041-2070 RCP2.6 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:19:11.024433
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: *RR90p 2041-2070 RCP4.5 ensmean*

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:11:41.480059
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: *RR90p 2041-2070 RCP4.5 ensstd*

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2041-2070 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:19:32.775586
Last modified n/a
Size n/a
Format NetCDF
URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: *RR90p 2041-2070 RCP8.5 ensmean*

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:12:00.361210
Last modified n/a
Size n/a
Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2041-2070 RCP8.5 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2041-2070 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:19:52.485660

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2071-2100 RCP2.6 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:12:18.153780

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2071-2100 RCP2.6 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2071-2100 under the scenario RCP2.6, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:20:12.362573

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2071-2100 RCP4.5 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:12:37.799188

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2071-2100 RCP4.5 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2071-2100 under the scenario RCP4.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:20:34.352681

Last modified n/a

Size n/a

Format NetCDF

URL <https://zenodo.org/record/3635451#.XjIM5WuCHoo>

Resource: RR90p 2071-2100 RCP8.5 ensmean

An ensemble mean of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created 2020-02-04T07:12:58.396587

Last modified n/a

Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3635451#.XjIM5WuCHoo

Resource: RR90p 2071-2100 RCP8.5 ensstd

An ensemble standard deviation of the number of days that the daily precipitation is above the 90th percentile of daily precipitation of a five-day window for the future period 2071-2100 under the scenario RCP8.5, calculated from the bias-corrected EURO-CORDEX climate model simulations:

- * CLMcom-CCLM4-8-17/ICHEC-EC-EARTH, CLMcom-CCLM4-8-17/MOHC-HadGEM2-ES
- * DMI-HIRHAM5/ICHEC-EC-EARTH
- * KNMI-RACMO22E/ICHEC-EC-EARTH, KNMI-RACMO22E/MOHC-HadGEM2-ES
- * SMHI-RCA4/ICHEC-EC-EARTH, SMHI-RCA4/MOHC-HadGEM2-ES

Created	2020-02-04T07:20:53.465144
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/record/3635451#.XjIM5WuCHoo

Dataset: Cities

This is a set of European cities with its corresponding country codes obtained from Copernicus.

id integer,
 name character varying(32),
 heat_wave boolean,
 pluvial_flood boolean,
 boundary geometry(MultiPolygon,3035),
 code character varying(7)

ID	cities
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Copernicus
Author E-Mail	n/a
Maintainer	Atos
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-12-11T16:32:33.513947
Meta-Data modified	2019-12-11T16:34:53.846455
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/cities
Source URL	http://services.clarity-h2020.eu:8080/geoserver/
Keywords	CLARITY;Europe;Local effects;input-data;open-data

Area coverage	E13.8 N40.5 E14.6 N41.0
Date of survey	2012
Resolution/Scale	Multipolygon
Type	Boundaries
input for	local effects

Resource: Clarity:Cities

Image EPSG:3035
gif, png, jpg

Created	2019-12-11T16:33:12.861585
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Acity&bbox=1990800.0%2C1013500.0%2C8140000.0%2C5270200.0&width=768&height=531&srs=EPSG%3A3035&format=image%2Fpng

Resource: Clarity:Cities

Vectorial (Polygons) EPSG:3025
GML, GeoJSON, CSV, Shapefile

Created	2019-12-11T16:34:17.916001
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Acity&outputFormat=shape-zip

Dataset: Heat load maps at 100m resolution

Climate indices (e.g. mean annual number of summer days, hot days, tropical nights) for 30-year historical/future climate periods. The calculation method is based on the cuboid method, a statistical-dynamical downscaling procedure that combines high-resolution (100m) urban climate simulations with long-term climate information from monitoring data/regional climate projections.

Climate indices for historical/current periods:

- Background climate information: monitoring data from the airport station Linz Hoerschling (1961-2010)
- Background climate information: historical (bias-corrected) EURO-CORDEX simulations (1971-2000)

Climate indices for future periods:

- Background climate information: bias-corrected EURO-CORDEX model simulations for different representative concentration pathways (2021-2100)

ID	heat-load-maps
Version	1.0

Organisation	DC3 - Austria
Category	Open Data produced by CLARITY
Author	Astrid Kainz
Author E-Mail	astrid.kainz@zamg.ac.at
Maintainer	Astrid Kainz
Maintainer E-Mail	astrid.kainz@zamg.ac.at
License	Other (Non-Commercial)
Meta-Data created	2018-12-04T10:50:28.414114
Meta-Data modified	2019-08-02T16:40:08.769171
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/heat-load-maps
Source URL	n/a
Keywords	DC3;EURO-CORDEX;Hazard Characterisation;Heat Waves;Linz;MUKLIMO;Zenodo;open-data;output-data
Area coverage	19 x 21 km (Linz + surrounding)
Data availability	available
Date of Survey	1961 - 2100
Resolution/scale	100 m
Type	Climate Indices
Use within modelling workflow	Expert study, hazard characterisation
Zenodo	https://zenodo.org/deposit/2563051

Resource: Climate indices 1961-1990 (Input: Meteorological observational data)

Mean annual number of summer days, hot days, tropical nights between 1961 and 1990 for Linz + surroundings

Input for cuboid method: Long-term observational data from the station Linz Hoersching

Created	2019-02-11T08:58:10.396921
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/stationsdaten_historical_1961-1990.nc

Resource: Summer days (1971 - 2000)

Mean annual number of summer days between 1971 and 2000 for Linz and surrounding area derived from a dynamical-statistical downscaling method (cuboid method) combining MUKLIMO_3 model output with long-term monitoring data from the station Linz Hoersching.

Input data sources: Urban Atlas 2012 (Copernicus Land Monitoring Service), city-specific data from the city administration of Linz

Created	2018-12-04T10:51:34.506377
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Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://data.ccca.ac.at/dataset/linz-mean-annual-number-of-summer-days-between-1971-and-2000-v01/resource/4f376ba2-3458-47ed-89e0-1579ef7b09ff

Resource: Climate indices 1981-2010 (Input: Meteorological observational data)

Mean annual number of summer days, hot days, tropical nights between 1981 and 2010 for Linz + surroundings

Input for cuboid method: Long-term observational data from the station Linz Hoersching

Created	2019-02-11T08:35:35.633864
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/stationsdaten_historical_1981-2010.nc

Resource: Climate indices 1971-2000 (Input: EURO-CORDEX)

Mean annual number of summer days, hot days, tropical nights between 1971 and 2000 for Linz and its surroundings

Input for cuboid method: historical EURO-CORDEX model simulations

Created	2019-02-11T08:59:44.181617
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/euro-cordex_ensavg_historical_1971-2000.nc

Resource: Climate indices 2021-2050 RCP4.5 (Input: EURO-CORDEX)

Mean annual number of summer days, hot days, tropical nights between 2021 and 2050 for Linz and its surroundings

Input for cuboid method: EURO-CORDEX regional climate projections (RCP4.5 scenario)

Created	2019-02-11T08:46:16.945129
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/euro-cordex_ensavg_rcp45_2021-2050.nc

Resource: Climate indices 2021-2050 RCP8.5 (Input: EURO-CORDEX)

Mean annual number of summer days between 2021 and 2050 for Linz + surroundings

Input for cuboid method: EURO-CORDEX regional climate projections (RCP8.5 scenario)

Created 2019-02-11T08:46:52.984794
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/euro-cordex_ensavg_rcp85_2021-2050.nc

Resource: Climate indices 2071-2100 RCP4.5 (Input: EURO-CORDEX)

Mean annual number of summer days, hot days, tropical nights between 2071 and 2100 for Linz + surroundings

Input for cuboid method: EURO-CORDEX regional climate projections (RCP4.5 scenario)

Created 2019-02-11T08:49:00.346325
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/euro-cordex_ensavg_rcp45_2071-2100.nc

Resource: Climate indices 2071-2100 RCP8.5 (Input: EURO-CORDEX)

Mean annual number of summer days, hot days, tropical nights between 2071 and 2100 for Linz + surroundings

Input for cuboid method: EURO-CORDEX regional climate projections (RCP8.5 scenario)

Created 2019-02-11T08:55:52.237435
Last modified n/a
Size n/a
Format NetCDF
URL https://zenodo.org/api/files/ac2dfde8-ca3f-4e25-a325-65ed6a4fb13b/euro-cordex_ensavg_rcp85_2071-2100.nc

Dataset: Medium Urban Fabric

Urban Atlas based data subset, where every element with CODE 11220 was extracted as medium urban fabric elements with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon,EPSSG:3035)
 albedo real
 emissivity real

transmissivity real
 run_off_coefficient real
 context real
 fua_tunnel real

This data is an input for local effects calculation.

ID	medium-urban-fabric
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T17:31:16.606925
Meta-Data modified	2019-02-14T10:15:11.909847
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/medium-urban-fabric
Source URL	http://services.clarity-h2020.eu:8080/geoserver/
Keywords	CLARITY;Land Use;Local Effects;Medium urban fabric;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2560307

Resource: clarity:medium_urban_fabric

Image EPSG:3035

png, gif, jpg

Created	2019-02-04T17:31:49.180513
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Amedium_urban_fabric&bbox=4647990.0%2C1949038.625%2C4715089.0%2C2007544.25&width=768&height=669&srs=EPSG%3A3035&format=image%2Fgif

Resource: *clarity:medium_urban_fabric*

Vectorial (Polygon) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created 2019-02-04T17:32:18.839441

Last modified n/a

Size n/a

Format WFS

URL http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Amedium_urban_fabric&outputFormat=shape-zip

Dataset: Roads

Urban Atlas based data subset, where every element with CODES 12210 and 12220 were extracted as roads elements with the next information:

gid integer
 area numeric,
 perimeter numeric
 geom geometry(Polygon,EPSG:3035)
 albedo real
 emissivity real
 transmissivity real
 vegetation_shadow real
 run_off_coefficient real
 building_shadow smallint
 hillshade_building real

This data is an input for local effects calculation.

ID	roads
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T16:12:09.853653
Meta-Data modified	2019-02-14T10:14:59.335835
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/roads
Source URL	http://services.clarity-h2020.eu:8080/geoserver
Keywords	CLARITY;Land Use;Local Effects;Roads;Urban Atlas;Zenodo;open-data;output-data

Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Line
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2562203

Resource: clarity:roads

Image EPSG:3035

jpg, gif, png

Created	2019-02-04T16:13:01.419076
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Aroads&bbox=4647967.5%2C1947662.0%2C4719111.5%2C2007704.625&width=768&height=648&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:roads

Vectorial (Polygon) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created	2019-02-04T16:13:45.079418
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Aroads&outputFormat=shape-zip

Dataset: Trees

STL and Urban Atlas based data subset, where every Urban Atlas element with CODE 31000 as well as all STL elements were extracted as tree elements with the next combined information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon, EPSG:3035)
 albedo real
 emissivity real
 transmissivity real
 vegetation_shadow real
 run_off_coefficient real

building_shadow smallint
hillshade_green_fraction real

This data is an input for local effects calculation.

ID	trees
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T16:34:09.395523
Meta-Data modified	2019-02-14T10:14:49.039771
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/trees
Source URL	http://services.clarity-h2020.eu:8080/geoserver
Keywords	CLARITY;Land Use;Local Effects;STL;Trees;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2562127

Resource: clarity:trees

Images EPSG:3035
gif, jpg, png

Created	2019-02-04T16:34:39.052796
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Atrees&bbox=4647803.5%2C1947602.125%2C4720258.5%2C2006546.625&width=768&height=624&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:trees

Vectorial (Polygons) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created 2019-02-04T16:35:22.977134

Last modified n/a

Size n/a

Format WFS

URL <http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Atrees&outputFormat=shape-zip>

Dataset: Built Open spaces

ESM data subset, generated by extracting band 30 as buildings with the next information:

gid integer

geom geometry(Polygon, EPSG:3035)

albedo real

transmissivity real

vegetation_shadow real

run_off_coefficient real

building_shadow smallint

hillshade_building real

This data is an input for local effects calculation.

ID	built-open-spaces		
Version	1.0		
Organisation	CLARITY		
Category	Open Data produced by CLARITY		
Author	Atos		
Author E-Mail	n/a		
Maintainer	Mario Nuñez		
Maintainer E-Mail	mario.nunez@atos.net		
License	Other (Open)		
Meta-Data created	2019-02-04T17:18:44.679162		
Meta-Data modified	2019-02-14T10:14:25.728363		
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/built-open-spaces		
Source URL	http://services.clarity-h2020.eu:8080/geoserver		
Keywords	Built	open	spaces; CLARITY; ESM; Land Use; Local Effects; Zenodo; open-data; output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0		
Date of Survey	2012		
Input for	Local effects		
Resolution/Sale	Polygon		

Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2560314
<i>Resource: clarity:built_open_spaces</i>	
Image EPSG:3035 png, gif, jpg	
Created	2019-02-04T17:19:17.034655
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Abuilt_open_spaces&bbox=4644000.0%2C1842000.0%2C4844000.0%2C2042000.0&width=768&height=768&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:built_open_spaces

Vectorial (Polygon) EPSG:3035 GML, GeoJSON, CSV, Shapefile	
Created	2019-02-04T17:19:47.991000
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Abuilt_open_spaces&outputFormat=shape-zip

Dataset: Dense Urban Fabric

Urban Atlas based data subset, where every element with CODES 11100 and 11210 were extracted as dense urban fabric elements with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon, EPSG:3035),
 albedo real
 emissivity real
 transmissivity real
 run_off_coefficient real
 context real
 fua_tunnel real

This data is an input for local effects calculation.

ID	dense-urban-fabric
Version	1.0

Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T17:24:38.248823
Meta-Data modified	2019-02-14T10:14:16.605352
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/dense-urban-fabric
Source URL	http://services.clarity-h2020.eu:8080/geoserver
Keywords	CLARITY;Dense urban fabric;Land Use;Local Effects;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2560309

Resource: clarity_dense_urban_fabric

Image EPSG:3035

png, gif, jpg

Created 2019-02-04T17:25:02.671804

Last modified n/a

Size n/a

Format WMS

URL http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Adense_urban_fabric&bbox=4648001.5%2C1949174.0%2C4715851.0%2C2006295.625&width=768&height=646&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:dense_urban_fabric

Vectorial (Polygon) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created 2019-02-04T17:26:04.024099

Last modified n/a

Size n/a

Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Adense_urban_fabric&outputFormat=shape-zip

Dataset: Public, military and industrial units

Urban Atlas based data subset, where every element with CODE 12100 was extracted as Public, military and industrial units elements with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon,EPSS:3035)
 albedo real
 emissivity real
 transmissivity real
 run_off_coefficient real
 context real
 fua_tunnel real

This data is an input for local effects calculation.

ID	public-military-and-industrial-units
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T17:44:06.124313
Meta-Data modified	2019-02-14T10:14:07.314603
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/public-military-and-industrial-units
Source URL	http://services.clarity-h2020.eu:8080/geoserver/
Keywords	CLARITY;Land Use;Local Effects;Public military and industrial units;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Zenodo <https://zenodo.org/record/2560133>

Resource: clarity:public_military_industrial

Image EPSG:3035

gif, png, jpg

Created 2019-02-04T17:44:33.067487

Last modified n/a

Size n/a

Format WMS

URL http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Apublic_military_industrial&bbox=4647900.0%2C1947678.25%2C4715292.5%2C2006729.125&width=768&height=672&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:public_military_industrial

Vectorial (Polygon) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created 2019-02-04T17:45:02.636925

Last modified n/a

Size n/a

Format WFS

URL http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Apublic_military_industrial&outputFormat=shape-zip

Dataset: Railways

Urban Atlas based data subset, where every element with CODE 12230 was extracted as railways elements with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon,EPSG:3035)
 albedo real
 emissivity real
 transmissivity real
 vegetation_shadow real
 run_off_coefficient real
 building_shadow smallint

This data is an input for local effects calculation.

ID railways

Version 1.0

Organisation CLARITY

Category Open Data produced by CLARITY

Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T16:28:02.766479
Meta-Data modified	2019-02-14T10:13:57.665027
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/railways
Source URL	Urban Atlas based data subset, where every element with CODE 12230 was extracted as a water element with the next information:
Keywords	CLARITY;Land Use;Local Effects;Railways;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/deposit/2562210

Resource: clarity:railways

Vectorial (Polygon) EPSG:3035
GML, GeoJSON, CSV, Shapefile

Created	2019-02-04T16:28:58.787799
Last modified	n/a
Size	n/a
Format	WFS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Arailways&outputFormat=shape-zip

Resource: clarity:railways

Image EPSG:3035
png, gif, jpg

Created	2019-02-04T16:29:36.702721
Last modified	n/a
Size	n/a
Format	WMS
URL	http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Arailways&bbox=4663608.0%2C1958316.625%2C4711241

.5%2C2002387.125&width=768&height=710&srs=EPSG%3A3035&format=image%2Fgif

Dataset: Low Urban Fabric

Urban Atlas based data subset, where every element with CODES 11230, 11240, 11300 were extracted as low urban fabric elements with the next information:

gid integer
 area numeric
 perimeter numeric
 geom geometry(Polygon, EPSG:3035)
 albedo real
 emissivity real
 transmissivity real
 run_off_coefficient real
 context real
 fua_tunnel real

This data is an input for local effects calculation.

ID	low-urban-fabric
Version	1.0
Organisation	CLARITY
Category	Open Data produced by CLARITY
Author	Atos
Author E-Mail	n/a
Maintainer	Mario Nuñez
Maintainer E-Mail	mario.nunez@atos.net
License	Other (Open)
Meta-Data created	2019-02-04T17:35:54.659465
Meta-Data modified	2019-02-14T10:13:19.035178
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/low-urban-fabric
Source URL	http://services.clarity-h2020.eu:8080/geoserver/
Keywords	CLARITY;Land Use;Local Effects;Low urban fabric;Urban Atlas;Zenodo;open-data;output-data
Area Coverage	E13.8 N40.5 E14.6 N41.0
Date of Survey	2012
Input for	Local effects
Resolution/Sale	Polygon
Type	Land use and building
Use within modelling workflow	HC-Regional expert study, HC-Microclimate
Zenodo	https://zenodo.org/record/2560292

Resource: clarity:low_urban_fabric

Image EPSG:3035

gif, png, jpg

Created 2019-02-04T17:36:19.014136**Last modified** n/a**Size** n/a**Format** WMS

URL http://services.clarity-h2020.eu:8080/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity%3Alow_urban_fabric&bbox=4647900.0%2C1947678.25%2C4715292.5%2C2006729.125&width=768&height=672&srs=EPSG%3A3035&format=image%2Fgif

Resource: clarity:low_urban_fabric

Vectorial (Polygon) EPSG:3035

GML, GeoJSON, CSV, Shapefile

Created 2019-02-04T17:36:46.491844**Last modified** n/a**Size** n/a**Format** WFS

URL http://services.clarity-h2020.eu:8080/geoserver/clarity/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=clarity%3Alow_urban_fabric&outputFormat=shape-zip

2. Non-Open Data produced by CLARITY

Dataset: Basins (baseline)

Basins of Naples Municipality derived from DSM

ID basins-baseline**Version** 1.0**Organisation** DC1 - Italy**Category** Non-Open Data produced by CLARITY**Author** Plinivs**Author E-Mail** s.nardone@plinivs.it**Maintainer** Stefano Nardone**Maintainer E-Mail** s.nardone@plinivs.it**License** Other (Not Open)**Meta-Data created** 2018-12-04T12:33:21.209726**Meta-Data modified** 2020-04-17T09:02:12.742922**Meta-Data URL** <https://ckan.myclimateservice.eu/dataset/basins-baseline>**Source URL** n/a

Keywords	CLARITY;DC1;Hydrological data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2018
Input for	Clarity PF Simplified Model
Resolution/scale	1 m
Type	Hydrological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Basins (baseline)

Basins of Naples Municipality derived from DSM

Created	2018-12-04T12:34:23.064816
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719400#.Xplwhf0zbDc

Dataset: Imperviousness (baseline)

Imperviousness layer was derived from remote sensing data (Pleiades images)

ID	imperviousness-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T15:06:09.230574
Meta-Data modified	2020-04-17T09:01:10.367537
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/imperviousness-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Imperviousness;WP2;input-data
Area coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m

Type	Surface features
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Imperviousness_area2

Imperviousness layer was derived from remote sensing data (Pleiades images)

Created	2018-11-28T15:07:06.678052
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719437#.XplwRf0zbDc

Resource: Imperviousness_area1

Imperviousness layer was derived from remote sensing data (Pleiades images)

Created	2018-11-28T15:07:35.244578
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719421#.XplwKv0zbDc

Dataset: Stem height (baseline)

Stem height was derived from remote sensing data (Pleiades images) and trees height

ID	stem-height-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-29T12:42:04.160553
Meta-Data modified	2020-04-17T08:56:29.505868
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/stem-height-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3

Resolution/scale	1 m
Type	Vegetation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Stem_height_area1

Stem height was derived from remote sensing data (Pleiades images) and trees height

Created	2018-11-29T12:42:33.597428
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719423#.XplvD_0zbDc

Resource: stem_height_area2

Stem height was derived from remote sensing data (Pleiades images) and trees height

Created	2018-11-29T12:42:55.388550
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719425#.XplvCf0zbDc

Dataset: Building typologies classification (baseline)

The building classification was obtained according to the construction material.

ID	building-typologies-classification-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivis
Author E-Mail	s.nardone@plinivis.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivis.it
License	Other (Not Open)
Meta-Data created	2018-11-29T12:43:44.250267
Meta-Data modified	2020-04-17T08:53:58.247222
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/building-typologies-classification-baseline
Source URL	n/a
Keywords	CLARITY;DC1;WP2;building typology;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	1997

Input for	MUKLIMO_3
Resolution/scale	polygon
Type	Land use and building functions data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: edif_classes_area1

The building classification was obtained according to the construction material.

Created	2018-11-29T12:47:06.539595
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	https://zenodo.org/record/3719496#.Xplulv0zbDc

Resource: edif_classes_area2

The building classification was obtained according to the construction material.

Created	2018-11-29T12:47:32.703334
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	https://zenodo.org/record/3719501#.XplulP0zbDc

Dataset: Leaf Area Index (LAI) (baseline)

Leaf Area Index (LAI) was derived from remote sensing data (Pleiades images)

ID	leaf-area-index-lai-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T15:24:02.378640
Meta-Data modified	2020-04-17T08:52:41.928164
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/leaf-area-index-lai-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available

Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Vegetation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: LAI_area1

Leaf Area Index (LAI) was derived from remote sensing data (Pleiades images)

Created	2018-11-28T15:24:25.786464
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719463#.XpluTv0zbDc

Resource: LAI_area2

Leaf Area Index (LAI) was derived from remote sensing data (Pleiades images)

Created	2018-11-28T15:24:51.473040
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719491#.XplsEP0zbDc

Dataset: Leaf Area Density (LAD) (baseline)

Leaf Area Density (LAD) was derived from remote sensing data (Pleiades images), computed from LAI and canopy height

ID	leaf-area-density-lad-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T15:28:33.889767
Meta-Data modified	2020-04-17T08:51:11.056989
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/leaf-area-density-lad-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data

Area Coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Vegetation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: LAD_area1

Leaf Area Density (LAD) was derived from remote sensing data (Pleiades images), computed from LAI and canopy height

Created	2018-11-28T15:36:38.139410
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719452#.Xplt0f0zbDc

Resource: LAD_area2

Leaf Area Density (LAD) was derived from remote sensing data (Pleiades images), computed from LAI and canopy height

Created	2018-11-28T15:37:06.422245
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719457#.Xplt0v0zbDc

Dataset: Trees height (baseline)

Trees height was derived from remote sensing data (Pleiades images) and DSM and DTM

ID	trees-height-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T15:57:44.864582
Meta-Data modified	2020-04-17T08:46:59.243252
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/trees-height-baseline

Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Vegetation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Trees_height_area1

Trees height was derived from remote sensing data (Pleiades images) and DSM and DTM

Created	2018-11-28T15:58:04.503434
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719434#.Xpls5_0zbDc

Resource: Trees_height_area2

Trees height was derived from remote sensing data (Pleiades images) and DSM and DTM

Created	2018-11-28T15:58:22.358261
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719441#.Xpls5v0zbDc

Dataset: Canopy height (baseline)

The canopy height was derived from remote sensing data (Pleiades images) and trees height

ID	canopy-height-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-29T12:37:51.613542
Meta-Data modified	2020-04-09T09:29:52.372674

Meta-Data URL	https://ckan.myclimateservice.eu/dataset/canopy-height-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Vegetation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Canopy_height_area1

The canopy height was derived from remote sensing data (Pleiades images) and trees height

Created	2018-11-29T12:38:31.470391
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719379#.Xo7p1v0zbDc

Resource: Canopy_height_area2

The canopy height was derived from remote sensing data (Pleiades images) and trees height

Created	2018-11-29T12:38:57.193254
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://zenodo.org/record/3719402#.Xo7rCv0zbDc

Dataset: HW population Vulnerability Curves

Owner: PLINIVS

ID	hw-population-vulnerability-curves
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-22T11:58:34.224926

Meta-Data modified	2020-04-08T10:30:26.080083
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hw-population-vulnerability-curves
Source URL	n/a
Keywords	CLARITY;DC1;WP2;output-data
Area Coverage	Regional / Metropolitan
Data availability	no available
Date of Survey	2018
Input for	PLINIVS HW Impact model
Resolution/Scale	n/a
Type	Vulnerability data
Use within modelling workflow	EE; VA; RA/IA

Resource: HW population Vulnerability Curves

Created	2019-01-22T11:58:49.310880
Last modified	n/a
Size	n/a
Format	PLINIVS
URL	n/a

Dataset: PF Urban Infrastructures Vulnerability Curves

(buildings, roads)

Owner: PLINIVS

ID	pf-urban-infrastructures-vulnerability-curves
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-22T11:41:50.031116
Meta-Data modified	2020-04-07T14:11:01.995084
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pf-urban-infrastructures-vulnerability-curves
Source URL	n/a
Keywords	CLARITY;DC1;WP2;output-data

Area Coverage	Regional / Metropolitan
Data availability	no available
Date of Survey	2018
Input for	PLINIVS PF Impact model
Resolution/Scale	n/a
Type	Vulnerability data
Use within modelling workflow	EE; VA; RA/IA

Resource: PF Urban Infrastructures Vulnerability Curves

(buildings, roads)

Created	2019-01-22T11:42:06.802968
Last modified	n/a
Size	n/a
Format	table
URL	n/a

Dataset: HW population Vulnerability Map

Owner: PLINIVS

ID	hw-population-vulnerability-map
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-22T12:09:05.664166
Meta-Data modified	2020-04-07T13:54:28.705628
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hw-population-vulnerability-map
Source URL	n/a
Keywords	CLARITY;DC1;WP2;output-data
Area Coverage	Regional / Metropolitan
Data availability	n/a
Date of Survey	2018
Input for	PLINIVS HW Impact model
Resolution/Scale	n/a
Type	Vulnerability data

Use within modelling workflow EE; VA; RA/IA

Resource: HW population Vulnerability Map

Created 2019-01-22T12:09:20.042214
Last modified n/a
Size n/a
Format vector (.shp)
URL n/a

Dataset: PF Urban Infrastructures Vulnerability Map(buildings, roads)

Owner: PLINIVS

ID pf-urban-infrastructures-vulnerability-map
Version 1.0
Organisation DC1 - Italy
Category Non-Open Data produced by CLARITY
Author PLINIVS
Author E-Mail s.nardone@plinivs.it
Maintainer Stefano Nardone
Maintainer E-Mail s.nardone@plinivs.it
License Other (Open)
Meta-Data created 2019-01-22T11:49:55.107118
Meta-Data modified 2020-04-07T13:52:54.388929
Meta-Data URL <https://ckan.myclimateservice.eu/dataset/pf-urban-infrastructures-vulnerability-map>
Source URL n/a
Keywords CLARITY;DC1;WP2;output-data
Area Coverage Regional / Metropolitan
Data availability no available
Date of Survey 2018
Input for PLINIVS PFImpact model
Resolution/Scale n/a
Type Vulnerability data
Use within modelling workflow EE; VA; RA/IA

Resource: PF Urban Infrastructures Vulnerability Map(buildings, roads)

Created 2019-01-22T11:50:07.370042
Last modified n/a
Size n/a

Format vector (.shp)

URL n/a

Dataset: HW Population impact (j)

Owner: PLINIVS

ID hw-population-impact-j

Version 1.0

Organisation DC1 - Italy

Category Non-Open Data produced by CLARITY

Author PLINIVS

Author E-Mail s.nardone@plinivs.it

Maintainer Stefano Nardone

Maintainer E-Mail s.nardone@plinivs.it

License Other (Open)

Meta-Data created 2019-01-23T13:56:31.362724

Meta-Data modified 2020-04-07T13:49:04.337323

Meta-Data URL <https://ckan.myclimateservice.eu/dataset/hw-population-impact-j>

Source URL n/a

Keywords CLARITY;DC1;Impact data;WP2;output-data

Area Coverage Naples Municipality

Data availability n/a

Date of Survey 2018

Input for Adaptation strategies model

Resolution/Scale polygons

Type Impact data

Use within modelling workflow EE; VA; RA/IA

Used as input for Adaptation strategies model

Resource: HW Population impact (j)

Created 2019-01-23T13:56:48.856863

Last modified n/a

Size n/a

Format vector (.shp)

URL n/a

Dataset: HW Population impact (baseline)

Owner: PLINIVS

ID hw-population-impact-baseline

Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-22T10:39:13.898009
Meta-Data modified	2020-04-07T13:47:53.223802
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hw-population-impact-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Impact data;WP2;output-data
Area Coverage	Naples Municipality
Data availability	no available
Date of Survey	2018
Input for	Adaptation strategies model
Resolution/Scale	polygons
Type	Impact data
Use within modeling workflow	EE; VA; RA/IA

Resource: HW Population impact (baseline)

Created	2019-01-22T10:39:50.399401
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Pluvial flooding local effect maps

(baseline)

Owner: PLINIVS

ID	pluvial-flooding-local-effect-maps
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it

Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-22T09:56:52.516418
Meta-Data modified	2020-04-07T11:36:26.878938
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pluvial-flooding-local-effect-maps
Source URL	n/a
Keywords	CLARITY;DC1;WP2;output-data
Area Coverage	Naples Municipality
Data availability	no available
Date of Survey	2018
Input for	PLINIVS PF Impact model
Resolution/Scale	polygons
Type	Drainage strems and floow rate
Use within modelling workflow	Expert study, hazard characterisation

Resource: Pluvial flooding local effect maps

Created	2019-01-22T09:57:38.809913
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: HW population Exposure (baseline)

Owner: PLINIVS

ID	hw-population-exposure-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Alessandra Capolupo
Author E-Mail	alessandra.capolupo@unina.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-22T10:23:08.791444
Meta-Data modified	2020-04-07T11:35:19.979237

Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hw-population-exposure-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Exposure data;WP2;output-data
Area Coverage	Regional / Metropolitan
Data availability	no available
Date of Survey	2018
Input for	PLINIVS HW Vulnerability model PLINIVS HW Impact model
Resolution/Scale	polygons
Type	Exposure data
Use within modelling workflow	EE; VA; RA/IA

Resource: HW population Exposure (baseline)

Created	2019-01-22T10:23:42.664319
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Indoor Heat wave local effect (j) maps

ID	indoor-heat-wave-local-effect-j-maps
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-23T14:51:28.946495
Meta-Data modified	2020-04-07T11:29:42.042612
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/indoor-heat-wave-local-effect-j-maps
Source URL	n/a
Keywords	CLARITY;DC1;WP2;output-data
Area Coverage	Naples Municipality
Data availability	n/a

Date of Survey	2018
Input for	PLINIVS HW Impact model
Resolution/Scale	polygons
Type	n/a
Use within modelling workflow	Expert study, hazard characterisation

Resource: Indoor Heat wave local effect (j) maps

Created	2019-01-23T14:51:49.531460
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Outdoor Heat wave local effect map(baseline)

Owner: PLINIVS

ID	outdoor-heat-wave-local-effect-map
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Astrid Kainz
Author E-Mail	Astrid.Kainz@zamg.ac.at
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-22T09:44:29.396977
Meta-Data modified	2020-04-07T11:27:49.659674
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/outdoor-heat-wave-local-effect-map
Source URL	n/a
Keywords	CLARITY;DC1;WP2;output-data
Area Coverage	Naples Municipality
Data availability	a sample is available
Date of Survey	n/a
Input for	PLINIVS HW Impact model
Resolution/Scale	20
Type	Mean radiative temperature
Use within modelling workflow	Expert study, hazard characterisation

Resource: *sample_area_2*

Created	2019-01-22T09:45:04.992017
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	sftp://clarityftp@5.79.69.49/clarityftp/dc1-naples/local_effects_results/Muklimo_outputs/sample_area_2

Dataset: Pluvial flooding local effect (j) maps

ID	pluvial-flooding-local-effect-j-maps
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-23T15:11:31.765667
Meta-Data modified	2020-04-07T11:25:36.859570
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pluvial-flooding-local-effect-j-maps
Source URL	n/a
Keywords	CLARITY;DC1;Drainage strems;Flow rate;WP2;output-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2018
Input for	PLINIVS PF Impact model
Resolution/Scale	polygons
Type	Drainage strems and flow rate
Use within modelling workflow	Expert study, hazard characterisation

Resource: *Pluvial flooding local effect (j) maps*

Created	2019-01-23T15:11:47.169333
Last modified	n/a
Size	n/a

Format vector (.shp)

URL n/a

Dataset: Indoor Heat wave local effect maps (baseline)

ID indoor-heat-wave-local-effect-maps-baseline

Version 1.0

Organisation DC1 - Italy

Category Non-Open Data produced by CLARITY

Author Plinivs

Author E-Mail s.nardone@plinivs.it

Maintainer Stefano Nardone

Maintainer E-Mail s.nardone@plinivs.it

License Other (Open)

Meta-Data created 2019-01-25T12:38:03.685137

Meta-Data modified 2020-04-07T11:23:22.621703

Meta-Data URL <https://ckan.myclimateservice.eu/dataset/indoor-heat-wave-local-effect-maps-baseline>

Source URL n/a

Keywords CLARITY;DC1;WP2;output-data

Area Coverage Naples Municipality

Data availability n/a

Date of Survey 2018

Input for PLINIVS HW Impact model

Resolution/Scale polygons

Type Mean radiative temperature

Use within modelling workflow Expert study, hazard characterisation

Resource: Indoor Heat wave local effect maps (baseline)

Created 2019-01-25T12:38:11.049341

Last modified n/a

Size n/a

Format vector (.shp)

URL n/a

Dataset: HW population Exposure (j)

ID hw-population-exposure-j

Version 1.0

Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-23T14:08:09.303557
Meta-Data modified	2020-04-07T11:20:58.405290
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/hw-population-exposure-j
Source URL	n/a
Keywords	CLARITY;DC1;Exposure data;WP2;output-data
Area Coverage	Regional / Metropolitan
Data availability	n/a
Date of Survey	2018
Input for	PLINIVS HW Vulnerability model PLINIVS HW Impact model
Resolution/Scale	polygons
Type	Exposure data
Use within modelling workflow	EE; VA; RA/IA

Resource: HW population Exposure (j)

Created	2019-01-23T14:08:34.084041
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Outdoor Heat wave local effect (j) map

ID	outdoor-heat-wave-local-effect-j-map
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Astrid Kainz
Author E-Mail	Astrid.Kainz@zamg.ac.at
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it

License	Other (Open)
Meta-Data created	2019-01-23T15:19:24.405794
Meta-Data modified	2020-04-07T11:20:05.568807
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/outdoor-heat-wave-local-effect-j-map
Source URL	n/a
Keywords	CLARITY;DC1;Mean radiative temperature;WP2;output-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	n/a
Input for	PLINIVS HW Impact model
Resolution/Scale	20 m
Type	Mean radiative temperature
Use within modelling workflow	Expert study, hazard characterisation
Used as input for	PLINIVS HW Impact model

Resource: Outdoor Heat wave local effect (j) map

Created	2019-01-23T15:19:41.736588
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: PF Buldings and roads Impact (j)

Owner: PLINIVS

ID	pf-buldings-and-roads-impact-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-23T13:45:04.188971
Meta-Data modified	2020-04-07T11:16:57.860114
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pf-buldings-and-roads-impact-j

Source URL	n/a
Keywords	CLARITY;DC1;Impact data;WP2;output-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2018
Input for	Adaptation strategies model
Resolution/Scale	polygons
Type	Impact data
Use within modelling workflow	EE; VA; RA/IA

Resource: PF Buldings and roads Impact (j)

Created	2019-01-23T13:45:17.211995
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: PF Buldings and roads Impact (baseline)

Owner: PLINIVS

ID	pf-buldings-and-roads-impact-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-22T10:48:52.068412
Meta-Data modified	2020-04-07T11:06:52.201498
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pf-buldings-and-roads-impact-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Impact data;WP2;output-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2018
Input for	Adaptation strategies model

Resolution/Scale	polygons
Type	Impact data
Use within modelling workflow	EE; VA; RA/IA

Resource: PF Buldings and roads Impact (baseline)

Created	2019-01-22T10:49:22.692745
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Albedo (baseline)

Albedo layer was derived from remote sensing data (Pleiades images)

ID	albedo-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T15:16:14.258083
Meta-Data modified	2020-04-07T10:54:10.750379
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/albedo-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Surface features;WP2;input-data
Area coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Surface features
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Albedo_area1

Albedo layer was derived from remote sensing data (Pleiades images)

Created	2018-11-28T15:16:35.859787
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Last modified n/a
Size n/a
Format geotiff
URL

sftp://clarityftp@5.79.69.49/clarityftp/dc1_naples/buildings_and_infrastructures/current/MUKLIMO_input/sample_area1/Albedo

Resource: Albedo_area2

Albedo layer was derived from remote sensing data (Pleiades images)

Created 2018-11-28T15:16:59.694289
Last modified n/a
Size n/a
Format geotiff
URL

sftp://clarityftp@5.79.69.49/clarityftp/dc1_naples/buildings_and_infrastructures/current/MUKLIMO_input/sample_area2/Albedo

Dataset: Albedo (j)

Albedo layer was derived from remote sensing data (Pleiades images)

ID albedo-j
Version 1.0
Organisation DC1 - Italy
Category Non-Open Data produced by CLARITY
Author PLINIVS
Author E-Mail s.nardone@plinivs.it
Maintainer Stefano Nardone
Maintainer E-Mail s.nardone@plinivs.it
License Other (Not Open)
Meta-Data created 2019-01-25T11:00:23.816878
Meta-Data modified 2020-04-07T10:53:27.520946
Meta-Data URL <https://ckan.myclimateservice.eu/dataset/albedo-j>
Source URL n/a
Keywords CLARITY;DC1;Surface features;WP2;input-data
Area Coverage Naples Municipality
Data availability n/a
Date of Survey 2016
Input for MUKLIMO_3
Resolution/Scale 1 m
Type Surface features
Use within modelling workflow HC-Regional expert study, HC-Microclimate

Resource: Albedo (j)

Albedo layer was derived from remote sensing data (Pleiades images)

Created	2019-01-25T11:00:37.800138
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Run-off layer (j)

Runoff layer derived from land use layer and run-off coefficient

ID	run-off-layer-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T11:33:28.490574
Meta-Data modified	2020-04-07T10:05:19.856191
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/run-off-layer-j
Source URL	n/a
Keywords	CLARITY;DC1;Hydrological data;WP2;input-data
Area Coverage	Naples Municipality
Date of Survey	1997
Input for	Clarity PF Simplified Model
Resolution/Scale	1 m
Type	Hydrological data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Run-off layer (j)

Runoff layer derived from land use layer and run-off coefficient

Created	2019-01-25T11:34:13.236251
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Canopy height (j)

The canopy height was derived from remote sensing data (Pleiades images) and trees height

ID	canopy-height-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T11:25:52.788491
Meta-Data modified	2020-04-07T10:01:21.851945
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/canopy-height-j
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2016
Input for	MUKLIMO_3
Resolution/Scale	1 m
Type	Vegetation data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Canopy height (j)

The canopy height was derived from remote sensing data (Pleiades images) and trees height

Created	2019-01-25T11:26:04.938797
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Stem height (j)

Stem height was derived from remote sensing data (Pleiades images) and trees height

ID	stem-height-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY

Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T11:29:45.822753
Meta-Data modified	2020-04-07T09:59:22.031663
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/stem-height-j
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2016
Input for	MUKLIMO_3
Resolution/Scale	1 m
Type	Vegetation data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Stem height (j)

Stem height was derived from remote sensing data (Pleiades images) and trees height

Created	2019-01-25T11:29:57.209564
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Leaf Area Density (LAD) (j)

Leaf Area Density (LAD) was derived from remote sensing data (Pleiades images), computed from LAI and canopy height

ID	leaf-area-density-lad-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T11:12:02.186754

Meta-Data modified	2020-04-06T16:15:58.453733
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/leaf-area-density-lad-j
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2016
Input for	MUKLIMO_3
Resolution/Scale	1 m
Type	Vegetation data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource:

Created	2019-01-25T11:12:14.539004
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Flow accumulation (baseline)

Flow accumulation for Naples Municipality derived from DSM

ID	flow-accumulation-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-12-04T13:03:16.341710
Meta-Data modified	2020-04-06T16:12:11.592777
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/flow-accumulation-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Hydrological data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available

Date of survey	2009/2012
Input for	Clarity PF Simplified Model
Resolution/scale	1 m
Type	Hydrological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Flow_acc

Flow accumulation for Naples Municipality derived from DSM

Created	2018-12-04T13:04:07.861394
Last modified	n/a
Size	n/a
Format	geotiff
URL	sftp://clarityftp@5.79.69.49/clarityftp/dc1-naples/climate_information/urban_microclimate_modelling/PF_model/Flow_acc

Dataset: Flow direction (baseline)

Flow direction derived from DSM

ID	flow-direction-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-12-04T12:50:01.203030
Meta-Data modified	2020-04-06T16:06:17.083235
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/flow-direction-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Hydrological data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2018
Input for	Clarity PF Simplified Model
Resolution/scale	1 m
Type	Hydrological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Flow_dir

Flow direction derived from DSM

Created 2018-12-04T12:51:43.119521**Last modified** n/a**Size** n/a**Format** geotiff**URL**

sftp://clarityftp@5.79.69.49/clarityftp/dc1_naples/climate_information/urban_%1Fmicroclimate_%1Fmodelling/PF_model/Flow_dir

Dataset: Imperviousness (j)

Imperviousness layer was derived from remote sensing data (Pleiades images)

ID imperviousness-j**Version** 1.0**Organisation** DC1 - Italy**Category** Non-Open Data produced by CLARITY**Author** PLINIVS**Author E-Mail** s.nardone@plinivs.it**Maintainer** Stefano Nardone**Maintainer E-Mail** s.nardone@plinivs.it**License** Other (Not Open)**Meta-Data created** 2019-01-25T10:48:08.717469**Meta-Data modified** 2020-04-06T15:28:59.019951**Meta-Data URL** <https://ckan.myclimateservice.eu/dataset/imperviousness-j>**Source URL** n/a**Keywords** CLARITY;DC1;Surface features;WP2;input-data**Area Coverage** Naples Municipality**Date of Survey** 2016**Input for** MUKLIMO_3**Resolution/Scale** 1 m**Type** Surface features**Use within modelling workflow** HC-Regional expert study, HC-Microclimate**Resource: Imperviousness (j)**

Imperviousness layer was derived from remote sensing data (Pleiades images)

Created 2019-01-25T10:48:42.448576**Last modified** n/a**Size** n/a**Format** raster(.tif)

URL n/a

Dataset: Trees height(j)

Trees height was derived from remote sensing data (Pleiades images) and DSM and DTM

ID	trees-height-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T11:16:50.301737
Meta-Data modified	2020-04-06T15:25:32.634194
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/trees-height-j
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	2016
Input for	MUKLIMO_3
Resolution/Scale	1 m
Type	Vegetation data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Trees height(j)

Trees height was derived from remote sensing data (Pleiades images) and DSM and DTM

Created	2019-01-25T11:17:02.186339
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Run-off layer (baseline)

Runoff layer derived from land use layer and run-off coefficient

ID	run-off-layer-baseline
Version	1.0
Organisation	DC1 - Italy

Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-12-04T13:16:51.262586
Meta-Data modified	2020-04-06T15:17:48.322440
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/run-off-layer-baseline
Source URL	n/a
Keywords	CLARITY;DC1;Hydrological data;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2009/2012
Input for	Clarity PF Simplified Model
Resolution/scale	1 m
Type	Hydrological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Runoff

Runoff layer derived from land use layer and run-off coefficient

Created	2018-12-04T13:17:21.342758
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	https://ckan.myclimateservice.eu/dataset/run-off-layer-baseline/resource/9a0e6117-fc31-4a89-b882-d6a0b1e2a906

Dataset: Leaf Area Index (LAI) (j)

Leaf Area Index (LAI) (j)

ID	leaf-area-index-lai-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)

Meta-Data created	2019-01-25T11:07:29.156764
Meta-Data modified	2020-04-06T14:42:38.325678
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/leaf-area-index-lai-j
Source URL	n/a
Keywords	CLARITY;DC1;Vegetation data;WP2;input-data
Area Coverage	Naples Municipality
Date of Survey	2016
Input for	MUKLIMO_3
Resolution/Scale	1 m
Type	Vegetation data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Leaf Area Index (LAI) (j)

Leaf Area Index (LAI) (j)

Created	2019-01-25T11:07:41.824018
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Surface roughness (baseline)

Surface roughness was derived from remote sensing data (Pleiades images), computed the Terrain Roughness Index (TRI)

Owner: PLINIVS

ID	surface-roughness-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T15:10:52.315428
Meta-Data modified	2020-04-06T14:41:13.484590
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/surface-roughness-baseline
Source URL	n/a
Keywords	CLARITY;DC1;HW local effect;Surface roughness;WP2;input-data

Area coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Surface features
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Rounghness_area1

Surface roughness was derived from remote sensing data (Pleiades images), computed the Terrain Roughness Index (TRI) Owner: PLINIVS

Created 2018-11-28T15:11:22.402757

Last modified n/a

Size n/a

Format geotiff

URL

sftp://clarityftp@5.79.69.49/clarityftp/dc1_naples/buildings_and_infrastructures/current/MUKLIMO_input/sample_area1/Rounghness

Resource: Rounghness_area2

Surface roughness was derived from remote sensing data (Pleiades images), computed the Terrain Roughness Index (TRI) Owner: PLINIVS

Created 2018-11-28T15:11:44.192800

Last modified n/a

Size n/a

Format geotiff

URL

sftp://clarityftp@5.79.69.49/clarityftp/dc1_naples/buildings_and_infrastructures/current/MUKLIMO_input/sample_area2/Rounghness

Dataset: PF Urban Infrastructures Exposure

(baseline) (buildings, roads)

Owner: PLINIVS

ID	pf-urban-infrastructures-exposure
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)

Meta-Data created	2019-01-22T10:17:31.535387
Meta-Data modified	2020-04-06T14:40:22.728551
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pf-urban-infrastructures-exposure
Source URL	n/a
Keywords	CLARITY;DC1;Exposure data;WP2;output-data
Area Coverage	Regional / Metropolitan
Data availability	no available
Date of Survey	2018
Input for	PLINIVS PF Vulnerability model PLINIVS PF Impact model
Resolution/Scale	polygons
Type	Exposure data
Use within modelling workflow	EE; VA; RA/IA

Resource: PF Urban Infrastructures Exposure

PF Urban Infrastructures Exposure

Created	2019-01-22T10:17:47.306600
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Building typologies classification (j)

Building typologies classification (j)

ID	building-typologies-classification-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	Plinivs
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T10:41:02.220409
Meta-Data modified	2020-04-06T14:36:35.090292
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/building-typologies-classification-j
Source URL	n/a
Keywords	CLARITY;Construction data;DC1;Typological;WP2;input-data

Area Coverage	Naples Municipality
Data availability	n/a
Date of Survey	1990-2017
Input for	MUKLIMO_3 Clarity PF Simplified Model
Resolution/Scale	polygons
Type	Typological, technical, construction data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Building typologies classification (j)

Building typologies classification (j)

Created	2019-01-25T10:41:14.060398
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Surface roughness (j)

Surface roughness (j)

ID	surface-roughness-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-25T10:54:06.125527
Meta-Data modified	2020-04-06T11:22:29.105344
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/surface-roughness-j
Source URL	n/a
Keywords	CLARITY;DC1;Surface features;WP2;input-data
Area Coverage	Naples Municipality
Date of Survey	2016
Input for	MUKLIMO_3
Resolution/Scale	1 m
Type	Surface features
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Surface roughness (j)

Surface roughness (j)

Created	2019-01-25T10:54:23.740129
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	https://ckan.myclimateservice.eu/dataset/surface-roughness-j/resource/f37ece3b-c4a8-4fd9-bff3-ee3c8edda44a

Dataset: PF Urban Infrastructures Exposure (j)

(buildings, roads)

ID	pf-urban-infrastructures-exposure-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data produced by CLARITY
Author	PLINIVS
Author E-Mail	s.nardone@plinivs.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-25T10:11:15.140349
Meta-Data modified	2020-04-06T11:17:21.018775
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pf-urban-infrastructures-exposure-j
Source URL	n/a
Keywords	CLARITY;DC1;Exposure data;WP2;output-data
Area Coverage	Regional / Metropolitan
Data availability	n/a
Date of Survey	2018
Input for	PLINIVS PF Vulnerability model PLINIVS PF Impact model
Resolution/Scale	polygons
Type	Exposure data
Use within modelling workflow	EE; VA; RA/IA

Resource: PF Urban Infrastructures Exposure (j)

PF Urban Infrastructures Exposure (j)

Created	2019-01-25T10:11:33.701433
Last modified	n/a
Size	n/a

Format	vector (.shp)
URL	https://ckan.myclimateservice.eu/dataset/pf-urban-infrastructures-vulnerability-curves/resource/51a42bb5-9344-4a75-9235-64c42ddf0e02

Dataset: Future flooding in Sweden

High resolution flooding data over Jönköping and/or Stockholm containing discharge and runoff. The dataset is produced using the S_HYPER setup with a set of climate projections with hourly resolution as forcing. Example of output data from S-HYPE: <http://vattenwebb.smhi.se/modelarea/>, <http://vattenwebb.smhi.se/modelregion/> The produced data describes future conditions.

The dataset will be used for the SE use case but can be used for southern parts of sweden.

ID	future-flooding-in-sweden
Version	1.0
Organisation	DC2 - Sweden
Category	Non-Open Data produced by CLARITY
Author	SMHI
Author E-Mail	n/a
Maintainer	Yeshewatesfa Hundecha
Maintainer E-Mail	yeshewatesfa.hundecha@smhi.se
License	Other (Not Open)
Meta-Data created	2019-02-04T12:20:29.054761
Meta-Data modified	2020-04-03T15:19:44.517797
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/future-flooding-in-sweden
Source URL	n/a
Keywords	D7.8;DC2;WP3;output-data
Area Coverage	Sweden, polygons
Date of Survey	To be decided
Input for	Local effects
Modelling workflow	Regional expert study
Resolution/Scale	Polygons, mean size
Type	Hydrological data

Resource: Future flooding in Sweden

If you are interested in the data, please contact Hundecha Yeshewatesfa (yeshewatesfa.hundecha@smhi.se)

Created	2019-02-04T12:20:50.716541
Last modified	n/a
Size	n/a
Format	maps

URL n/a

Dataset: CLARITY mailing and document repository - User data

Responsible party

The intention is to collect contact information (i.e, name, email, telephone number, WP participation, etc.) from each partner personnel involved in CLARITY project in order to give them read/write access to the document repository as well as subscribe them to the specific email (WP1, WP2, WP3, WP4, WP5-6, WP7) set up for each WP where they are involved.

In addition, additional emails have been created for the different managerial bodies of the project - Technical Committee (TC), Quality Assurance & Ethics (QA) and General Assembly (GA) . where designated persons from each partner are involved.

A further email for the Advisory Board members will be set up in the next weeks. This email will comprehend persons from project partners and experts from outside the project.

Responsible Party (CLARITY): ATOS

Responsible Person (CLARITY): Miguel Esbri, Juan Alonso

WPs: CLARITY, WP1, WP2, WP3, WP4, WP5 and 6, WP7

Data provenance

Data provenance is direct input from the partners (or project external) persons when being granted access to CLARITY document repository or subscribed to the emails.

Intended use

User data is used for subscribing the person to the various CLARITY WP emails where he/she is participating and creating personal accounts in the document repository.

Relations to Building Blocks: There is no direct relation with CLARITY Building Blocks

Data description

Title: CLARITY Contact_v1.00_20171006.xlsx

Naming convention: CLARITY Contact_v{increase index}_{modification_date\}

Parameter information:

Institution: name of the entity which the person belongs to (either from a project partner or external)

Country: country where the insitution is located

Contact Name: Full name of the person to be registered in the emails and document repository

Position / Role : role of the person in the institution

WP1: it indicates whether the the person is registered in WP1 email

WP2: it indicates whether the the person is registered in WP2 email

WP3: it indicates whether the the person is registered in WP3 email

WP4: it indicates whether the the person is registered in WP4 email

WP5-6: it indicates whether the the person is registered in WP5-6 email

WP7: it indicates whether the the person is registered in WP1 email

TC: it indicates whether the the person is registered in TC email

QA : it indicates whether the the person is registered in QA email

GA : it indicates whether the the person is registered in GA email

e-mail address: person\'s contact email address

Start date (contact): date when the person was registered in the emails/owncloud repository

Phone number: person\'s contact telephone number

Mobile number: person\'s contact mobile phone number

User ownCloud: person\'s user account in owncloud document repository in ATOS \' servers

User available?: indicates whether the person has already an account in ATOS\' owncloud repository, being then not necessary to create a new account

Website: institution website

Coverage: Partners belonging to a European Country

Resolution: Not applies

Storage:

- **DMP 1.2: What is the type and format of the data that is generated/collected:** Excel file

- **DMP 1.5: What is the expected size of the data?:** Less than 1 MB

- **DMP 2.3.1: Are the data produced in the project interoperable, that is allowing data exchange and re-use between researchers, institutions, organisations, countries, etc. (i.e. adhering to standards for formats, as much as possible compliant with available (open) software applications, and in particular facilitating re-combinations with different datasets from different origins)?:** No data exchange is foreseen as it is only for internal project usage

- **DMP 2.1.4: Do you provide clear version numbers?:** Yes. With every new version of the document, the version number is incremented and the date of modification is appended at the end

Metadata:

- **DMP 2.1:** Are the data produced and/or used in the project discoverable with metadata?: NO
- **DMP 2.5:** What metadata will be created? In case metadata standards do not exist in your discipline, please outline what type of metadata will be created and how.: Not applies
- **DMP 2.3.2:** What data and metadata vocabularies, standards or methodologies will you follow to make your data interoperable?: Not applies
- **DMP 2.3.4:** In case it is unavoidable that you use uncommon or generate project specific ontologies or vocabularies, will you provide mappings to more commonly used ontologies?: Not applies
- **DMP 2.3.3:** Will you be using standard vocabularies for all data types present in your data set, to allow inter-disciplinary interoperability?: Not applies
- **DMP 2.1.3:** Will search keywords be provided that optimize possibilities for re-use?: Not applies

Data management

Availability: data will be produced in the CLARITY project

Owner: ATOS

Open Access: no

The dataset will not be made openly available as its sole purpose for project internal use in order to keep track of the persons registered in the different CLARITY emails and the owncloud document repository

Access conditions:

This dataset is located within the CLARITY owncloud project folder. The file modified only by ATOS but is accessible by any CLARITY partner with an account in owncloud repository.

(Meta-) Data Repository

Data Repository Name: CLARITY Contact.xlsx

Data Repository Description: Project internal database to store project partners\' contact

Data Repository Properties: internal (provided by CLARITY or a partner)

ID	clarity-mailing-and-document-repository-user-data
Version	1.0
Organisation	CLARITY
Category	Non-Open Data produced by CLARITY
Author	ATOS
Author E-Mail	n/a
Maintainer	ATOS
Maintainer E-Mail	n/a

License	Other (Not Open)
Meta-Data created	2019-02-04T12:39:48.003754
Meta-Data modified	2019-02-04T12:42:01.134747
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/clarity-mailing-and-document-repository-user-data
Source URL	n/a
Keywords	CLARITY;D7.8;WP1;WP2;WP3;WP4;WP5;WP6;WP7;output-data

Resource: CLARITY Mailing Lists

CLARITY Mailing Lists

Created	2019-02-04T12:40:49.294366
Last modified	n/a
Size	n/a
Format	n/a
URL	http://lists.atosresearch.eu/mailman/admin/clarity

Dataset: Address Book - User Data

Responsible party

Collect and process user data (end users, experts, potential customers, persons from stakeholders) in order to get in contact with them (email, newsletter) and invite them to events in their region or field of profession. Data providers are the users themselves as natural persons (website registration) or parties inside or outside the consortia (e.g. of attendants at events) or organizations publishing name, occupation and contact data of responsible personnel (cities, research organizations, enterprises).

Responsible Party (CLARITY): SCC

Responsible Person (CLARITY): Andrea Geyer

WPs: WP5 and 6

Data provenance

Data provenance is either direct input by the user when registering at the website or input/input by a partner or the responsible party of public available user data like name, organization, email address plus assigning a considered user role. The purpose of user data added by a partner is a) to visualize as many stakeholder of the ecosphere as possible and b) contact user for several CLARITY dissemination measures, e.g. invite for probably suitable events, ask for comment as an expert .

Contacts we gather will be number-one source for dissemination and exploitation success - therefore we will encourage people to register directly at our site, type in business card information from people we talk to at events or people we know already and may have a benefit from CLARITY for their business.

For panel participation extended data will be requested concerning expertise and relevant work and shall be confirmed with double-opt in.

Intended use

User data will be utilized for dissemination, community building and exploitation.\

CLARITY will cluster contacts and aggregate target groups for effective (and efficient) exploitation activities. Well defined target groups will help to tailor project's future services and besides, will provide additional ideas for business model development.

User data/address book will not die down after the termination of the project but be a groundwork for further exploitation. For exploitation relevant user data will be transferred to order processing applications like invoicing and book keeping and enriched in these systems (e.g. payment settings).

Furthermore it is intended to setup a multi-disciplinarian panel comprising of all stakeholder groups and sectors involved. Panel can be utilized on focus groups and surveys, to establish expert groups for policy making and ecosphere development.

Building Blocks: Marketplace

Data description

Fields:

- 1) Surname\
- 2) Given Name\
- 3) Title\
- 4) Organization/company\
- 5) Department\
- 6) Responsibility\
- 7) Email address\
- 8) Profile, messenger - can we import this from LinkedIn ?\
- 9) Role for buying decisions \taxonomy\ "gatekeeper", "influencer", "decider", "buyer", "user"\
- 10) Role for community building \taxonomy\ "architecture /construction", "urban/spatial planner", "scientist", "policy maker", "risk manager in sector"\
- 11) Sectors \taxonomy\
- 12) Consultant, Planner - Y/N\
- 13) Contact description - free text\
- 14) Interest - \taxonomy\ - can be set up after use case design\
- 15) Source - \taxonomy\ "registered on web site"; "event 1-n"; "3rd party event" - description (text); "partner contact"

Additional fields for panel

Coverage:

- a) Name = User data\
- b) Unit = human individual (person)\
- c) source type = individual input; import open data (?)

Storage: Text data, 100k per user, estimated 5.000 users (?)

Metadata: Personal, user specific data.

Data management

Availability: existing data, data will be produced in the CLARITY project, data will be reused/extended

Owner: individual user

Open Access: no

Access conditions:

Data under regime of data protection and privacy - restrictions on use. Double-opt in for the individual end user , frequent ask for confirmation.

(Meta-) Data Repository

Data Repository Description: Internal database generated in CLARITY

Data Repository Properties: new, internal repository, restricted.

a) sustainable - data will be kept and fostered after the end of the project; every partner will make use of relevant data referring to their business. Built-up community - \"ownership\" to be defined, CC experts foundation?

b) backups; no use by third parties - data protection regulations.

ID	address-book-user-data
Version	1.0
Organisation	CLARITY
Category	Non-Open Data produced by CLARITY
Author	Andrea Geyer
Author E-Mail	n/a
Maintainer	Andrea Geyer
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2019-02-04T12:37:25.566914
Meta-Data modified	2019-02-04T12:41:44.110883
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/address-book-user-data
Source URL	n/a
Keywords	CLARITY;D7.8;WP5;WP6;output-data

Resource:

Created	2019-02-04T12:37:46.690646
Last modified	n/a
Size	n/a
Format	n/a
URL	https://myclimateservices.eu/en

Dataset: Local heat maps at 100m resolution**### Responsible party**

Produced by ZAMG (other?) for Demonstration Cases, on request.

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP2, WP3

Data provenance

Produced in the project, using the Urban Climate Model realization Muklimo 3

External Datasets: THIS DATA IS NOT AVAILABLE YET (example)

Internal Dataset: Digital Elevation Model over Europe (EU-DEM), Urban Atlas Landcover 2012

Intended use

Needed for detailed risk analysis in the following Demonstration Cases:

- Linz - confirmed, by ZAMG
- Stockholm -- optional
- Naples -- optional
- Spain -- optional

Produced by Urban Climate Model BB on purpose. Results shown on a map, using Map BB

Building Blocks: Map Component, Urban climate model

Data description

Local heat map, produced on demand.

Coverage: typically 30x30km. Temperature values for several (selected) days and a 30 years average heat map

Resolution: 100x100 meters, hourly temperatures

CRS: To be decided

Storage:

a) formats: NetCDF, ASCII or raster file

b) Version: not relevant here

c) transfer size (GB): a single map is few MB; accumulated data can be few GB

d) direct link(s) to datasets or Link to (Meta-) Data Repository: not available, data produced on demand

Data management

Availability: data will be produced in the CLARITY project

Owner: ZAMG

Open Access: yes

Open Access: We are not sure if this will be open access or not. For research, it probably needs to be open access.

ID	local-heat-maps-at-100m-resolution
Version	1.0
Organisation	CLARITY
Category	Non-Open Data produced by CLARITY
Author	ZAMG
Author E-Mail	n/a
Maintainer	ZAMG
Maintainer E-Mail	n/a
License	Other (Non-Commercial)
Meta-Data created	2019-02-04T08:51:56.175349
Meta-Data modified	2019-02-04T08:53:14.249028
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/local-heat-maps-at-100m-resolution
Source URL	n/a
Keywords	D7.8;Heat;WP3;output-data

Resource: ckan.myclimateservice.eu

Data will be uploaded when produced.

Created	2019-02-04T08:52:36.805367
Last modified	n/a
Size	n/a
Format	n/a
URL	https://ckan.myclimateservice.eu/

3. Open Data used by CLARITY

Dataset: Temperature range

Definition: difference of the maximum of maximum temperature and the minimum of minimum temperature.

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily near-surface maximum and minimum temperature.

Results are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) climate periods and for the representative concentration pathways RCP4.5 and RCP8.5.

ID	temperature-range
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	MITECO/AEMET
Author E-Mail	n/a
Maintainer	adaptecca
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-05-21T10:17:28.253364
Meta-Data modified	2020-05-21T10:19:44.377723
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/temperature-range
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	
Area coverage	Spain
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios

Resource: Temperature range

Difference between of the maximum of maximum temperature and the minimum of minimum temperature.

Created	2020-05-21T10:19:43.939786
Last modified	n/a
Size	n/a
Format	CSV
URL	n/a

Dataset: 95th percentile of daily maximum temperature

Definition : Average annual 95th percentile of daily maximum temperature

Additional information: The dataset is based on an ensemble of EURO-CORDEX model simulations of daily maximum temperature.

Results are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP4.5 and RCP8.5.

ID	99th-percentile-of-daily-maximum-temperature
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	MITECO/AEMET
Author E-Mail	mpostigog@aemet.es
Maintainer	adaptecca
Maintainer E-Mail	mpostigog@aemet.es
License	Creative Commons Attribution
Meta-Data created	2020-05-21T07:35:06.769994
Meta-Data modified	2020-05-21T09:51:30.491661
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/99th-percentile-of-daily-maximum-temperature
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	
Area coverage	Spain
Percentil 95 temperatura maxima diaria	°C
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different RCP scenarios

Resource: 95th percentile of daily maximum temperature

Results are available for historical (1971-2000) and future (2011-2040, 2041-2070, 2071-2100) time periods and for the representative concentration pathways RCP4.5 and RCP8.5.

Created	2020-05-21T07:53:51.308654
Last modified	n/a
Size	n/a
Format	CSV
URL	http://escenarios.adaptecca.es/

Dataset: Heat scenarios over Stockholm

A number of heat scenarios studying how green infrastructure would affect the future climate of Stockholm.

The dataset consist of a number of scenarios which simulates how building plans could affect heat exposure in Stockholm. The scenarios are:

Stockholm 2014: Baseline scenario simulating the heat wave during the summer of 2014 in Stockholm

Stockholm 2030: Simulating the effects of the heatwave 2014 with new building according to plans for city expansion 2030.

Stockholm 2050: Simulating the effects of the heatwave 2014 with new buildings according to available plans for city expansion 2050.

Grey Scenario: Simulating the effects of the heatwave 2014 in a city where green infrastructure has been minimized.

Owner: SMHI

ID	heat-scenarios-over-stockholm
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data produced by CLARITYOpen Data used by CLARITY
Author	SMHI
Author E-Mail	n/a
Maintainer	Jorge Amorim
Maintainer E-Mail	jorge.amorim@smhi.se
License	Creative Commons Attribution Share-Alike
Meta-Data created	2018-12-05T13:35:37.379418
Meta-Data modified	2020-05-06T11:17:30.321802
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/heat-scenarios-over-stockholm
Source URL	n/a
Keywords	CLARITY;DC2;Green infrastructure;Heat;Stockholm;WP2;Zenodo;output-data
Area Coverage	Stockholm
Data availability	Example is available
Date of Survey	present 2030 and 2050
Resolution/Scale	Hourly
Type	Meteorological data
Use within modelling workflow	DC2 workflows involving Stockholm
Used as input for	Pre-study, expert studies
Zenodo	https://zenodo.org/record/3796277

Resource: Stockholm 2030

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:07.822034
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/Summer2030/catalog.html

Resource: Stockholm 2050

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:28.626334
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/Summer2050/catalog.html

Resource: Stockholm 2014

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:44.119575
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/Summer2014/catalog.html

Resource: Grey Scenario

The link leads to a repository where a number of heat related essential climate variables and indicators can be downloaded.

Created	2018-12-05T13:36:57.978575
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://urban-sis.smhi.se/thredds/catalog/deliveries/Stockholm/Scenarios/NO_urban_vegetation/catalog.html

Resource: NO_urban_vegetation.zip

Data archived in Zenodo repository.

Created	2020-05-06T11:15:57.609707
Last modified	n/a
Size	n/a
Format	ZIP
URL	https://zenodo.org/record/3796277/files/NO_urban_vegetation.zip?download=1

Resource: Summer2014.zip

Data archived in Zenodo repository

Created	2020-05-06T11:16:33.707697
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Last modified n/a
Size n/a
Format ZIP
URL <https://zenodo.org/record/3796277/files/Summer2014.zip?download=1>

Resource: Summer2030.zip

Data archived in Zenodo repository.

Created 2020-05-06T11:17:07.312194
Last modified n/a
Size n/a
Format ZIP
URL <https://zenodo.org/record/3796277/files/Summer2030.zip?download=1>

Resource: Summer2050.zip

Data archived in Zenodo repository

Created 2020-05-06T11:17:30.356275
Last modified n/a
Size n/a
Format ZIP
URL <https://zenodo.org/record/3796277/files/Summer2050.zip?download=1>

Dataset: Reclip:century

extended: 4x4 and 1x11km simulations, various indicators: avg temperature, avg precipitation total, summer days, heat days, tropical nights

Owner: AIT

Notes: 1km urban climate simulation

ID	reclip-century
Version	1.0
Organisation	DC3 - Austria
Category	Open Data used by CLARITY
Author	City of Linz
Author E-Mail	n/a
Maintainer	Romana Stollnberger
Maintainer E-Mail	Romana.Stollnberger@ait.ac.at
License	Other (Open)
Meta-Data created	2019-01-21T09:44:49.189972
Meta-Data modified	2020-04-30T09:16:50.965576
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/reclip-century
Source URL	n/a
Keywords	CLARITY;DC3;WP2;input-data;open-data

Area Coverage	50X50 km around Linz
Data availability	n/a
Date of Survey	1962 - 2100
Input for	Modelling of future climate scenarios; COSMO CML simulations
Resolution/Scale	4x4, 1x1km
Type	urban climate simulations, based on AR4 A1B GHG emission scenario
Use within modelling workflow	expert study HC-regional, urban climate

Resource: urban climate simulations

Based on AR4 A1B GHG emission scenario

Created	2019-01-21T09:45:50.459023
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Flood risk zoning maps

Owner. OGD Upper Austria

Notes: Based on DKM (Digitale Katastralmappe)

ID	flood-risk-zoning-maps
Version	1.0
Organisation	DC3 - Austria
Category	Open Data used by CLARITY
Author	OGD Upper Austria
Author E-Mail	n/a
Maintainer	Romana Stollnberger
Maintainer E-Mail	Romana.Stollnberger@ait.ac.at
License	Other (Open)
Meta-Data created	2019-01-21T10:24:25.970474
Meta-Data modified	2020-04-30T09:15:55.292168
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/flood-risk-zoning-maps
Source URL	https://www.land-oberoesterreich.gv.at/171835.htm
Keywords	CLARITY;DC3;WP2;input-data;open-data
Area Coverage	20X21 km around Linz
Data availability	n/a
Date of Survey	2016
Input for	Modelling of future climate scenarios and future land use changes
Resolution/Scale	polygons

Type Zoning plan
Use within modelling workflow expert-study, not required

Resource: Zoning plan

Created 2019-01-21T10:25:08.462881
Last modified n/a
Size n/a
Format vector (.shp)
URL n/a

Dataset: Austria 10m DEM

Responsible party

AIT /SBC

Responsible Party (CLARITY): AIT

Responsible Person (CLARITY): Mario Köstl

WPs: WP2

Data provenance

Data delivered from OGD Upper Austria <https://www.land-oberoesterreich.gv.at/opendata.htm>

External Datasets: 10m DEM

Intended use

Data needed for microclimate simulation and flooding simulation.

Data description

Digital Elevation Model: A digital elevation model (DEM) is a 3D representation of a terrain's surface created from remote sensing data.

Coverage: 20x21km around Linz ; available for whole Upper Austria

Resolution: 10m grid size

CRS: MGI/Austria GK Central

Storage: no storage needed

Metadata: <https://www.land-oberoesterreich.gv.at/124923.htm>

Data management

Availability: existing data

Owner: OGD Upper Austria

Open Access: yes

Access conditions: open access: <https://www.land-oberoesterreich.gv.at/124923.htm>

(Meta-) Data Repository

Data Repository Name: <https://www.land-oberoesterreich.gv.at/124923.htm>

Data Repository Description: <https://www.land-oberoesterreich.gv.at/124923.htm>

Data Repository Access: <https://www.land-oberoesterreich.gv.at/124923.htm>

ID	austria-10m-dem
Version	1.0
Organisation	DC3 - Austria
Category	Open Data used by CLARITY
Author	Land Oberösterreich
Author E-Mail	n/a
Maintainer	Mario Köstl
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2019-02-01T14:39:48.048414
Meta-Data modified	2020-04-30T09:15:33.083267
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/austria-10m-dem
Source URL	https://www.land-oberoesterreich.gv.at/124923.htm
Keywords	DC3;DEM;input-data;open-data

Resource: Digitales Geländemodell 10 m

Abgeleitete Höhenmodelle aus Airborne Laser Scanning.

Created	2019-02-01T14:40:26.060100
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	http://e-gov.ooe.gv.at/at.gv.ooe.dorisdaten/DGM_10M_TIF.zip

Dataset: High-resolution soil sealing layer

Owner: EEA, European Commission

Notes: Derived from remote sensing data

updated version available: <https://www.eea.europa.eu/data-and-maps/data/copernicus-land-monitoring-service-imperviousness-2>

Responsible party

AIT /SBC

Responsible Party (CLARITY): AIT

Responsible Person (CLARITY): Mario Köstl

WPs: WP2

Data provenance

Downloaded from the EEA (European Environment Agency) Website: <https://www.eea.europa.eu/data-and-maps/data/eea-fast-track-service-precursor-on-land-monitoring-degree-of-soil-sealing>

External Datasets: 20m High Resolution soil sealing layer (0-100%)

Intended use

Possible use for MUKLIMO simulations. Shows the degree of soil sealing (0-100%) in 20m resolution.

Data description

Raster data set of built-up and non built-up areas including continuous degree of soil sealing ranging from 0 - 100% in aggregated spatial resolution (20 x 20m). Year 2009.

Coverage: European data, grid data, 20m resolution

Resolution: 20m resolution

CRS: ETRS89

Metadata: <https://www.eea.europa.eu/data-and-maps/data/eea-fast-track-service-precursor-on-land-monitoring-degree-of-soil-sealing#tab-metadata>

Data management

Availability: existing data

Owner: EEA

Open Access: yes

Open Access:

Access conditions: open access: <https://www.eea.europa.eu/data-and-maps/data/eea-fast-track-service-precursor-on-land-monitoring-degree-of-soil-sealing>

(Meta-) Data Repository

Data Repository Name: <https://www.eea.europa.eu/data-and-maps/data/eea-fast-track-service-precursor-on-land-monitoring-degree-of-soil-sealing>

Data Repository Description: Website of EEA (European Environmental Agency)
<https://www.eea.europa.eu/>

Data Repository Access: <https://www.eea.europa.eu/data-and-maps/data/eea-fast-track-service-precursor-on-land-monitoring-degree-of-soil-sealing/#tab-european-data>

ID	high-resolution-soil-sealing-layer
Version	1.0
Organisation	DC3 - Austria
Category	Open Data used by CLARITY
Author	EEA, European Commission
Author E-Mail	n/a
Maintainer	Mario Köstl
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-20T13:04:21.153418
Meta-Data modified	2020-04-30T09:15:12.714676
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/high-resolution-soil-sealing-layer
Source URL	https://www.eea.europa.eu/data-and-maps/data/eea-fast-track-service-precursor-on-land-monitoring-degree-of-soil-sealing
Keywords	CLARITY;D7.8;DC3;WP2;input-data;open-data
Area Coverage	Europe
Data availability	available
Date of Survey	2009
Input for	MUKLMO_3, COSMO-CLM, ENVIMET
Resolution/scale	20 m
Type	Degree of soil sealing
Use within modelling workflow	pre-expert study - HC

Resource: Degree of soil sealing

Created	2019-01-20T13:06:06.146899
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	n/a

Dataset: Urban Atlas Landcover 2012

Owner: EEA, European Commission

Nots: Derived from remote sensing data

Responsible party

<https://www.eea.europa.eu/data-and-maps/data/urban-atlas/#tab-gis-data>

Responsible Party (CLARITY): AIT

Responsible Person (CLARITY): Romana Stollnberger

WPs: WP2

Data provenance

Existing data from Copernicus Land Monitoring Service

External Datasets: Urban Atlas Landcover

Intended use

It is an input model for further climate calculations of the City of Linz (Austria, WP2/DC3)

Data set needed for use cases in the city of Linz: Basic landcover information for analysis on city-level.

Data description

The Urban Atlas is providing pan-European comparable land use and land cover data for Large Urban Zones with more than 100.000 inhabitants as defined by the Urban Audit.

Coverage: European Cities, Large Urban Zones with more than 100.000 inhabitants

Resolution: vector data

CRS: ETRS89

Data management

Availability: existing data

Owner: Copernicus Land Monitoring Service

Open Access: yes

Access conditions: open data

(Meta-) Data Repository

Data Repository Name: Copernicus Land Monitoring Service

Data Repository Description: Copernicus Land Monitoring Service

Data Repository Link: Urban Atlas Data

Data Repository Access: <https://www.eea.europa.eu/data-and-maps/data/copernicus-land-monitoring-service-urban-atlas>

ID	urban-atlas-landcover-2012
Version	1.0
Organisation	DC3 - Austria
Category	Open Data used by CLARITY
Author	Copernicus Programme
Author E-Mail	n/a
Maintainer	Romana Stollnberger
Maintainer E-Mail	Romana.Stollnberger@ait.ac.at
License	Other (Open)
Meta-Data created	2019-01-20T12:50:27.597405
Meta-Data modified	2020-04-30T09:13:46.764258
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/urban-atlas-landcover-2012
Source URL	https://www.eea.europa.eu/data-and-maps/data/copernicus-land-monitoring-service-urban-atlas
Keywords	CLARITY;D7.8;DC3;WP2;input-data;open-data
Area Coverage	City of Linz
Data availability	available
Date of Survey	2012
Input for	MUKLIMO_3, CSMO CML, ENVIMET
Resolution/scale	10 m
Type	Land use data
Use within modelling workflow	pre-expert study , expert study

Resource: Urban Atlas Landcover 2012

Created	2019-01-20T12:53:59.611113
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	https://zenodo.org/record/3759081#.Xp6lHsgzaUk

Dataset: Digital Elevation Model data for Linz and its surroundings

Owner. OGD Upper Austria

Notes: Derived from remote sensing data

ID	digital-elevation-model-data-for-linz-and-its-surroundings
Version	1.0
Organisation	DC3 - Austria

Category	Open Data used by CLARITY
Author	OGD Upper Austria
Author E-Mail	n/a
Maintainer	OGD Upper Austria
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-21T11:14:36.652869
Meta-Data modified	2020-04-30T09:10:32.662720
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/digital-elevation-model-data-for-linz-and-its-surroundings
Source URL	https://www.land-oberoesterreich.gv.at/124923.htm
Keywords	CLARITY;DC3;WP2;input-data;open-data
Area Coverage	20X21 km around Linz
Data availability	available
Date of Survey	2013
Input for	MUKLIMO_3, COSMO-CLM
Resolution/Scale	10 m
Type	Elevation data
Use within modelling workflow	expert study, HC-urban climate, HC-Microclimate

Resource: Elevation data

Created	2019-01-21T11:16:14.152695
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	https://www.land-oberoesterreich.gv.at/124923.htm

Dataset: ISTAT census data - population

Distribution of population for Naples Municipality - census data

Owner: ISTAT National Institute of Statistics Italy

ID	istat-census-data-population
Version	1.0
Organisation	DC1 - Italy
Category	Open Data used by CLARITY
Author	ISTAT National Institute of Statistics Italy
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it

License	Other (Open)
Meta-Data created	2018-12-04T14:47:46.337876
Meta-Data modified	2020-04-17T09:04:30.878179
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/istat-census-data-population
Source URL	https://www.istat.it/en/
Keywords	CLARITY;DC1;WP2;census data;input-data;open-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2011
Input for	HW population Exposure (baseline)
Resolution/scale	census unit
Type	Socio-economic data
Use within modeling workflow	EE; VA; RA/IA

Resource: Population

Distribution of population for Naples Municipality - census data Owner: ISTAT National Institute of Statistics Italy

Created	2018-12-04T14:48:44.218468
Last modified	n/a
Size	n/a
Format	table
URL	https://zenodo.org/record/3719499#.Xplw7f0zbDc

Dataset: Land Use (UA)

Land Use - Urban Atlas 2012
Owner: EEA, European Commission

ID	land-use-ua
Version	1.0
Organisation	DC1 - Italy
Category	Open Data used by CLARITY
Author	Copernicus Programme
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2018-11-28T14:08:58.336636
Meta-Data modified	2020-04-17T09:03:04.763904
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/land-use-ua

Source URL	https://www.eea.europa.eu/data-and-maps/data/urban-atlas
Keywords	CLARITY;Copernicus Programme;DC1;Land use;Urban Atlas;input-data;open-data
Area coverage	Regional / Metropolitan
Data availability	available
Date of survey	2012
Input for	MUKLIMO_3, Clarity PF Simplified Model
Resolution/scale	polygon
Type	Land use and building functions data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Land Use (UA)

Land Use - Urban Atlas

Created	2018-11-28T14:11:07.002976
Last modified	n/a
Size	n/a
Format	Vector (.shp)
URL	https://zenodo.org/record/3719447#.Xplwu_0zbDc

Dataset: DSM

Digital Surface Model (DSM) was obtained from Lidara data.

Owner: Naples Metropolitan City

ID	dsm
Version	1.0
Organisation	DC1 - Italy
Category	Open Data used by CLARITY
Author	Naples Metropolitan City
Author E-Mail	francesca.pignataro@comune.napoli.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T09:16:01.561843
Meta-Data modified	2020-04-17T08:59:50.802352
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/dsm
Source URL	http://sit.cittametropolitana.na.it/lidar.html
Keywords	CLARITY;DC1;Digital Surface Model;Elevation data;WP2;input-data;open-data
Area Coverage	Naples Metropolitan City
Data availability	available

Date of survey	2009/2012
Input	MUKLIMO_3, Clarity PF Simplified Model
Resolution/scale	density 4 p/mq, elevation precision 15 cm. - 1mx1m resolution.
Type	Surface Elevation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: DSM

Digital Surface Model (DSM) was obtained from Lidara data. Owner: Naples Metropolitan City

Created	2018-11-28T09:17:21.645764
Last modified	n/a
Size	n/a
Format	geotiff
URL	http://sit.cittametropolitana.na.it/lidar.html

Dataset: DTM

Digital Terrain Model was generated from LIDAR data

Owner: Naples Metropolitan City

Responsible party

refine dataset to retrieve the needed geometry information (with the support of PLINIVS)

Responsible Party (CLARITY): Napoli

Responsible Person (CLARITY): Francesca Pignataro

WPs: WP2, WP3

Intended use

Napoli case (building heights, vegetation cover, etc.)

Building Blocks: Catalogue of Data Sources and Simulation Models

Data description

Coverage: Campania Region

Resolution: 1m

Data management

Availability: existing data

Owner: Ministry of Environment Italy

Open Access: yes

Access conditions: Creative Commons Attribution

(Meta-) Data Repository

Data Repository Name: Ministry of Environment Italy - Geoportal

ID	dtm
Version	1.0
Organisation	DC1 - Italy
Category	Open Data used by CLARITY
Author	Naples Metropolitan City
Author E-Mail	francesca.pignataro@comune.napoli.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Creative Commons Attribution
Meta-Data created	2018-11-28T10:30:31.457579
Meta-Data modified	2020-04-17T08:31:51.245709
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/dtm
Source URL	http://sit.cittametropolitana.na.it/lidar.html
Keywords	CLARITY;D7.8;DC1;Digital Terrain Model;WP2;input-data;open-data
Area coverage	Naples Metropolitan City
Data availability	available
Date of survey	2009/2012
Input for	MUKLIMO_3 Clarity PF Simplified Model
Resolution/Scale	density 4 p/mq, elevation precision 15 cm. - 1mx1m resolution.
Type	Terrain Elevation data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: DTM

Digital Terrain Model

Created	2018-11-28T10:30:59.228154
Last modified	n/a
Size	n/a
Format	geotiff
URL	http://sit.cittametropolitana.na.it/lidar.html

Dataset: ISTAT census data - business and industry

Owner: ISTAT National Institute of Statistics Italy

ID	istat-census-data-business-and-industry
Version	1.0

Organisation	DC1 - Italy
Category	Open Data used by CLARITY
Author	ISTAT National Institute of Statistics Italy
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Open)
Meta-Data created	2019-01-21T15:03:41.244483
Meta-Data modified	2020-04-08T10:15:18.509132
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/istat-census-data-business-and-industry
Source URL	https://www.istat.it/en/
Keywords	CLARITY;DC1;WP2;census data;input-data;open-data
Area Coverage	Regional / Metropolitan
Data availability	available
Date of Survey	2011
Input for	PF Urban Infrastructures Exposure (baseline) (buildings, roads)
Resolution/Scale	census unit
Type	Socio-economic data
Use within modelling workflow	EE; VA; RA/IA

Resource: ISTAT census data - business and industry

Owner: ISTAT National Institute of Statistics Italy

Created	2019-01-21T15:03:55.028676
Last modified	n/a
Size	n/a
Format	table
URL	n/a

Dataset: Open Swedish data from SMHI

Data from SMHI that has been used in DC2 use cases. The sources are connected to hydrology of Sweden.

ID	open-swedish-data
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@gmail.com
Maintainer	SMHI
Maintainer E-Mail	n/a

License	Other (Open)
Meta-Data created	2018-12-05T14:22:24.010890
Meta-Data modified	2020-04-03T15:16:10.346235
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/open-swedish-data
Source URL	n/a
Keywords	CLARITY;DC2;Sweden;WP2;input-data;open-data
Area Coverage	Sweden
Date of Survey	Varying
Input for	Expert studies
Resolution/Scale	Varying
Type	Several types
Use within modelling workflow	DC2 workflows

Resource: Vattenwebb

Open hydrological data for Sweden.

Created	2018-12-05T14:23:42.431597
Last modified	n/a
Size	n/a
Format	WCS
URL	https://www.smhi.se/klimatdata/hydrologi/vattenwebb

Resource: SVAR - swedish water archive

Description of Swedish catchments, lakes and rivers.

Created	2020-04-01T11:43:50.367518
Last modified	n/a
Size	n/a
Format	maps
URL	https://www.smhi.se/data/hydrologi/sjoar-och-vattendrag/ladda-ner-data-fran-svenskt-vattenarkiv-1.20127

Dataset: Data from Statistics Sweden

Statistics Sweden makes makes statistical information about Sweden openly available for the public. In Clarity we have used data on population, day cares, shopping areas and offices.

ID	data-from-statistics-sweden
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@smhi.se
Maintainer	Statistics Sweden

Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-04-01T13:40:40.433235
Meta-Data modified	2020-04-03T15:07:44.136436
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/data-from-statistics-sweden
Source URL	n/a
Keywords	Population
Area Coverage	Sweden
Date of Survey	Varying
Input for	Expert studies
Resolution/scale	Varying
Type	Statistics
Use within modelling workflow	DC2 workflows

Resource: Statistics for sweden

Statistics for Sweden from various authorities

Created	2020-04-01T13:41:59.652551
Last modified	n/a
Size	n/a
Format	Statistics
URL	https://www.scb.se/en/finding-statistics/

Dataset: Data from Geological Survey of Sweden

Geological Survey of Sweden provides geological data from Sweden,. In Clarity we have mainly used information on, soils.

ID	data-from-geological-survey-of-sweden
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@smhi.se
Maintainer	Geological Survey of Sweden
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-04-01T13:56:38.436454
Meta-Data modified	2020-04-03T13:27:30.433246
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/data-from-geological-survey-of-sweden

Source URL	n/a
Keywords	Soil
Area coverage	Sweden
Data of Survey	Varying
Input for	Expert studies
Resolution/Scale	varying
Type	maps
Use within modelling workflow	DC2 workflows

Resource: Soil maps from SGU

Data, including soil maps from SGU.

A map viewer is available: <https://www.sgu.se/en/products/maps/map-viewer/>

Created	2020-04-01T13:58:49.976434
Last modified	n/a
Size	n/a
Format	maps
URL	https://www.sgu.se/en/

Dataset: Open data from Land Survey

Open data from Land Survey (Lantmäteriet). In Clarity DC2 we have mainly used information on, elevation, land use, terrain and ortophotos.

ID	open-data-from-land-survey
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@smhi.se
Maintainer	Land Survey of Sweden
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-04-01T14:08:46.913973
Meta-Data modified	2020-04-03T13:15:25.099465
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/open-data-from-land-survey
Source URL	n/a
Keywords	
Area Coverage	Sweden
Date of Survey	Varying
Input for	Expert Studies

Resolution/Scale	Varying
Type	maps
Use within modelling workflow	DC2 workflows

Resource: Land Survey data

Land Survey data

Created	2020-04-01T14:09:39.024023
Last modified	n/a
Size	n/a
Format	maps
URL	https://www.lantmateriet.se/en/

Dataset: Open data from swedish traffic administration

Open data on the swedish road network

ID	open-data-from-swedish-traffic-administration
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@smhi.se
Maintainer	Swedish Traffic Administration
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2020-04-01T14:17:39.771771
Meta-Data modified	2020-04-03T13:10:37.829244
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/open-data-from-swedish-traffic-administration
Source URL	n/a
Keywords	
Area Coverage	Sweden
Date of survey	2020
Input for	Expert studies
Resolution/scale	Varying
Type	maps

Resource: Roads in sweden

Map over roads in Sweden

Created	2020-04-01T14:18:36.803632
Last modified	n/a
Size	n/a

Format	maps
URL	https://nvdb2012.trafikverket.se/SeTransportnatverket

Dataset: Data on landslides

The authority for Civil Contingencies provides data on soil that can be used as input for risc of landslide.

ID	data-on-landslides
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@smhi.se
Maintainer	Swedish Authority for Civil Contingencies
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-04-01T14:26:09.017689
Meta-Data modified	2020-04-03T13:08:26.265964
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/data-on-landslides
Source URL	n/a
Keywords	landslide
Area Coverage	Sweden
Date of Survey	Varying
Input for	Expert Studies
Resolution Scale	Varying
Type	maps
Use with modelling workflow	DC2 workflows

Resource: Stability in course soils

Maps over course soils in Sweden

Created	2020-04-01T14:27:05.102093
Last modified	n/a
Size	n/a
Format	maps
URL	https://www.msb.se/sv/verktyg--tjanster/oversiktlig-stabilitetskartering-i-moran-och-grova-jordar/

Resource: Stability in fine soils

Maps over fine soils in Sweden

Created	2020-04-01T14:28:07.729068
Last modified	n/a
Size	n/a

Format	maps
URL	https://www.msb.se/sv/verktyg--tjanster/stabilitetskartering-finkorniga-jordarter/

Dataset: Open database from County Boards of Sweden

This database provides maps over positions where permissions have been granted for various activities. For Clarity we have used information on Schools, health care and shops.

ID	open-database-from-county-bords-of-sweden
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@gmail.com
Maintainer	County Boards of Sweden
Maintainer E-Mail	n/a
License	Creative Commons Attribution
Meta-Data created	2020-04-02T07:11:56.660235
Meta-Data modified	2020-04-03T13:03:24.572807
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/open-database-from-county-bords-of-sweden
Source URL	n/a
Keywords	critical infrastructure;permissions
Area Coverage	Sweden
Date of Survey	2020
Input for	Expert studies
Resolutio/scale	Varying
Type	maps

Resource: GeodataKatalogen

Collection of geographical data of ssweden

Created	2020-04-02T07:12:59.641045
Last modified	n/a
Size	n/a
Format	maps
URL	https://ext-geodatakatalog.lansstyrelsen.se/GeodataKatalogen/

Dataset: NOAA Climate Forecast System (CFSv2)

Owner: NOAA

ID	noaa-climate-forecast-system-cfsv2
Version	1.0

Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T11:44:29.184948
Meta-Data modified	2020-03-31T10:34:51.796861
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/noaa-climate-forecast-system-cfsv2
Source URL	http://www.cpc.ncep.noaa.gov/products/CFSv2/CFSv2_body.html
Keywords	CLARITY;Climate data;DC4;WP2;input-data;open-data
Area Coverage	Worldwide
Date of Survey	2011 – present
Resolution/Scale	Variable
Type	Climate data

Resource: CFSv2

The datasets are downloaded from NOAA. They contain 7 months worth of data but only 60 days are used for the forecast.

Created	2019-01-16T11:44:44.649779
Last modified	n/a
Size	n/a
Format	grib2
URL	http://www.cpc.ncep.noaa.gov/products/CFSv2/CFSv2_body.html

Dataset: Decadal models outputs (CMIP5)

Responsible party

Aemet is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): AEMET

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

CMIP5.

The CMIP5 experimental protocol was endorsed by the 12th Session of the WCRP Working Group on

Coupled Modelling (WGCM) and is presented in the following document: Taylor, K. E., R. J. Stouffer and G. A. Meehl, 2009: A Summary of the CMIP5 Experiment Design

External Datasets: CAN-CM4, IPSL-CM5A-LR, MIROC5, MPIESM-LR

Intended use

External grid data with a decadal forecast. Foreseen possible risks over the road network linked to weather variables.

Building Blocks: Catalogue of Data Sources and Simulation Models, Data Repositories, High Level Climate Change Risk Assessment Tool, Multi-Criteria-Analysis Decision Support Tool

Data description

Netcdf data fails with the forecasted values of weather variables.

Parameter information: grid data

Coverage: Spain/Europe from 1980 - 2035

Resolution: space: 1.5°, temporal: daily

Storage: format: netcdf, expected size: 400 MB / (variable and model), (this size corresponds to all-world; for an European grid around 40MB)

Metadata: To be defined

Data management

Availability: existing data

Owner: CMIP5

Open Access: yes

Access conditions: research purposes

ID	decadal-models-outputs-cmip5
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)

Meta-Data created	2019-01-16T12:02:57.335677
Meta-Data modified	2020-03-31T08:46:35.194723
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/decadal-models-outputs-cmip5
Source URL	https://esgf-node.llnl.gov/projects/cmip5/
Keywords	CLARITY;D7.8;DC4;WP2;input-data;open-data
Area Coverage	Worldwide
Type	Climate data prediction

Resource: cmip5

Created	2019-01-16T12:03:05.920058
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://esgf-node.llnl.gov/projects/cmip5/

Dataset: AEMet-Spanish official projections

Regionalized projections of climate change for Spain made from the global projections of the Fifth Evaluation Report of the IPCC (Intergovernmental Panel on Climate Change). The available data are fed mainly from two sources: specific projections of the State Meteorological Agency (AEMET) and grid projections from the international Euro-CORDEX initiative.

ID	https-clarity-saver-red-mapa_elementos
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	MITECO/AEMET/LifeSHARA
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T12:03:55.462874
Meta-Data modified	2020-02-25T11:51:49.599443
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/https-clarity-saver-red-mapa_elementos
Source URL	https://clarity.saver.red/mapa_elementos/
Keywords	CLARITY;DC4;WP2;input-data;open-data
Coverage	Spain
Data availability	Existing data
Date of Survey	2017

Description	Climatic data
License	http://escenarios.adaptecca.es/terminos
Resolution/Scale	12.5km
Type	Climate data projection
Use within modeling workflow	Climatic Hazard Assessment
Used as input for	Impact assessment

Resource: Spanish Scenarios

Created	2019-01-16T12:04:09.636745
Last modified	n/a
Size	n/a
Format	raster(.tif)
URL	http://escenarios.adaptecca.es/

Dataset: Digital Elevation Models Spain

Representación de curvas de nivel y puntos acotados procedentes de BTN25 con paso de malla de 25m y cobertura grid procedente de puntos capturadas con sensores LiDAR aerotransportados del proyecto PNOA-LiDAR con paso de malla de 5m del Sistema Cartográfico Nacional (<http://www.scne.es/productos.html>) y los mapas de pendientes, orientaciones, sombreado y relieve, procedentes de otras fuentes. Servicio de visualización WMS 1.3.0 conforme al perfil Inspire de ISO 19128:2005.

<https://www.ign.es/wms-inspire/mdt?request=GetCapabilities>

ID	clarityftp-dc4-digital-elevation-models-spain
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	Instituto Geográfico Nacional
Author E-Mail	ign@fomento.es
Maintainer	Laura Asensio Martínez
Maintainer E-Mail	laura@meteogrid.com
License	Creative Commons Attribution
Meta-Data created	2018-11-28T11:31:07.956232
Meta-Data modified	2020-02-21T11:07:21.958933
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/clarityftp-dc4-digital-elevation-models-spain
Source URL	https://www.ign.es/wms-inspire/mdt?request=GetCapabilities
Keywords	DC4;Digital Terrain Model;input-data;open-data
Area Coverage	Pilot section in the province of Guadalajara
Data availability	Existing data

Date of Survey	2009
Description	Digital Terrain Model (MDT05 / MDT05-LIDAR) with 5-meter mesh pitch, with the same leaf distribution as the MTN50. ASCII matrix file format ESRI (asc). Reference geodetic system ETRS89 (in the Canary Islands REGCAN95, compatible with ETRS89) and UTM projection in the spindle corresponding to each leaf
Resolution/Scale	5 meters
Type	Elevation data
Use within modeling workflow	Hazard Assessment
Used as input for	Calculate hazard of floods and forest fires

Resource: MDT_05m

It will be available at too: https://clarity.saver.red/mapa_elementos/

Created	2018-11-28T11:32:00.664753
Last modified	n/a
Size	n/a
Format	WMS
URL	https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=Clarity-DC4%3APNOA_MDT05_ETRS89_HU30_0461_LID&bbox=484057.5001220703%2C4483207.50012207%2C568562.5001220703%2C4557632.50012207&width=768&height=676&srs=EPSG%3A25830&format=application/openlayers

Resource: MDT_02m

Created	2020-02-21T11:07:21.979237
Last modified	n/a
Size	n/a
Format	WMS
URL	https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=spain%3APNOA_MDT02_ETRS89_HU30_0461_LID&bbox=484057.5001220703%2C4483206.50012207%2C568563.5001220703%2C4557632.50012207&width=768&height=676&srs=EPSG%3A25830&format=application/openlayers

Dataset: Mid term meteorological forecasting, NOAA

Ensemble prediction
 Statistical Downscaling
 owner: NOAA
 area coverage: worldwide
 resolution: 6h / 1 degree
 Date of survey: last 10 years
 OWNER: NOAA

ID mid-term-meteorological-forecasting-noaa

Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T11:33:45.200793
Meta-Data modified	2020-01-23T12:08:01.119709
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/mid-term-meteorological-forecasting-noaa
Source URL	http://www.cpc.ncep.noaa.gov/products/CFSv2/CFSv2_body.html
Keywords	CLARITY;DC4;WP2;input-data;open-data
Area Coverage	worldwide
Date of Survey	Last 10 years
Resolution/Scale	6h / 1 degree
Type	Ensemble prediction
Use within modelling workflow	Statistical Downscaling

Resource: Seasonal climate forecast from CFSv2l

Created	2019-01-16T11:33:58.298554
Last modified	n/a
Size	n/a
Format	grib2
URL	http://www.cpc.ncep.noaa.gov/products/CFSv2/CFSv2_body.html

Dataset: DEM02m

Digital Terrain Model in a pilot section in TIF format at 2 meters resolution.

Responsible party

Meteogrid is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): METEOGRID

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

Spanish Geographic Institute

External Datasets: Spanish National Center of Cartographic Downloads

Intended use

This database is going to be used in hazard definitions (hydric, landslides, vegetation growth, etc) ; in the Spanish user case

Building Blocks: Catalogue of Elements at Risk and Adaptation Options, Map Component

Data description

It has been obtained by interpolation of the land class obtained from LIDAR flights of the National Plan for Aerial Orthophotography (PNOA).

Parameter information: raster

Coverage: It is available all Spanish territory but it has to be defined the coverage that It is going to be used (road buffers?)

Resolution: 5 meters

CRS: ETRS89 for the Iberian Peninsula, Balearic Islands, Ceuta and Melilla, and REGCAN95 for the Canary Islands (both systems are compatible with WGS84). UTM projection in the corresponding zone. Also zone 30 extended for sheets into zones 29 and 31.

Storage: ASCII (.asc) ESRI array. Expected size depends on coverage

Metadata: ISO 19115 standard

Data management

Availability: existing data

Owner: Spanish Geographic Institute

Open Access: yes

Access conditions: All uses

ID	clarityftp-dc4-spain-mdt-2metros-pnoa_mdt02_etr89_hu30_0461_lid-tif
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	Ministry of development. Aereal Orthophotography Plan
Author E-Mail	consulta@cnig.es
Maintainer	Laura Asensio Martínez

Maintainer E-Mail	laura@meteogrid.com
License	Other (Open)
Meta-Data created	2018-11-28T11:55:26.660274
Meta-Data modified	2020-01-23T11:46:16.189547
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/clarityftp-dc4-spain-mdt-2metros-pnoa_mdt02_etr89_hu30_0461_lid-tif
Source URL	https://clarity.meteogrid.com/geoserver/Clarity-DC4/wms?service=WMS&version=1.1.0&request=GetMap&layers=Clarity-DC4%3APNOA_MDT02_ETRS89_HU30_0461_LID&bbox=484057.5001220703%2C4483206.50012207%2C568563.5001220703%2C4557632.50012207&width=768&height=676&srs=EPSG%3A25830&format=application/openlayers
Keywords	D7.8;DC4;Digital Terrain Model;geotiff;input-data;open-data
Area Coverage	Pilot section in the province of Guadalajara
Data availability	Existing data
Date of Survey	2009
Description	Digital model of the terrain obtained at 2 meters in tif format. from the PNOA MDT at 5 meters resolution
Resolution/Scale	2 meters
Type	Elevation data
Use within modeling workflow	Hazard Assessment
Used as input for	Calculate hazard of floods and forest fires

Resource: PNOA_MDT02_ETRS89_HU30_0461_LID.tif

Created	2018-11-28T11:55:47.092692
Last modified	n/a
Size	n/a
Format	n/a
URL	https://clarity.meteogrid.com/geoserver/Clarity-DC4/wms?service=WMS&version=1.1.0&request=GetMap&layers=Clarity-DC4%3APNOA_MDT02_ETRS89_HU30_0461_LID&bbox=484057.5001220703%2C4483206.50012207%2C568563.5001220703%2C4557632.50012207&width=768&height=676&srs=EPSG%3A25830&format=application/openlayers

Dataset: Information System of Land Use in Spain

Responsible party

Meteogrid is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): METEOGRID

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

Spanish Geographic Institute

External Datasets: Spanish National Center of Cartographic Downloads

Intended use

This database is going to be used in hazard definitions (hydric, landslides, vegetation growth, etc) ; in the Spanish user case

Building Blocks: Catalogue of Elements at Risk and Adaptation Options, Map Component

Data description

User-friendly environment for making queries and obtaining results in the form of cartographic, statistical and graphical data. It was made in 2011. <http://www.siose.es/>

Parameter information: Vector layer (shapefile)

Coverage: It is available all Spanish territory but it has to be defined the coverage that It is going to be used (road buffers?)

Resolution: E: 1:25 000

CRS: ETRS89. Longitude and latitude coordinates

Storage: Format: shp, Expected size depends on coverage

Metadata: ISO 19115 standard

Data management

Availability: existing data

Owner: Spanish Geographic Institute

Open Access: yes

Access conditions: All uses

ID	information-system-of-land-use-in-spain
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	Instituto Geográfico Nacional
Author E-Mail	siose@fomento.es

Maintainer	Instituto Geográfico Nacional
Maintainer E-Mail	siose@fomento.es
License	Other (Open)
Meta-Data created	2019-02-01T14:19:12.347253
Meta-Data modified	2020-01-23T11:44:47.433190
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/information-system-of-land-use-in-spain
Source URL	http://www.siose.es/
Keywords	D7.8;DC4;WP2;input-data;open-data

Resource: Land Use Spain

SIOSE es el Sistema de Información sobre Ocupación del Suelo de España, integrado dentro del Plan Nacional de Observación del Territorio (PNOT) cuyo objetivo es generar una base de datos de Ocupación del Suelo para toda España a escala de referencia 1:25.000, integrando la información disponible de las comunidades autónomas y la Administración General del Estado.

Se produce de manera descentralizada y coordinada entre las distintas administraciones siguiendo los principios INSPIRE, actualizándose periódicamente.

La Dirección General del Instituto Geográfico Nacional, en su función como «Centro Nacional de Referencia en Ocupación del Suelo» (National Reference Center on Land Cover and on Land Use and Spatial Planning) dependiente del Punto Focal Nacional (el Ministerio de Agricultura, Alimentación y Medio Ambiente), tiene como uno de sus objetivos prioritarios la producción y coordinación de esta información en España, utilizando como soporte para la transmisión de la información la que facilita la Red Europea de Información y Observación del Medio Ambiente (Red EIONET) de la Agencia Europea de Medio Ambiente.

Actualmente SIOSE se ha producido a nivel nacional a fecha de referencia del año 2005 (SIOSE 2005), con posteriores actualizaciones a fecha de referencia 2009 (SIOSE 2009) y 2011 (SIOSE 2011).

Created	2019-02-01T14:20:31.117981
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	http://centrodedescargas.cnig.es/CentroDescargas/buscadorCatalogo.do?codFamilia=SIOSE

Dataset: RESCCUE - Wind gust climatic data for Barcelona

Data found here correspond to the .tiff files generated for the city of BARCELONA regarding Climatic Scale projections.

Data are gathered in different folders, following the next structure: Projection Scale -> Time Period -> Quantile of the extreme -> variable.

Return periods simulated are: 2, 10 and 100 years.

It is adviceable to only use 100-y return period for Quantile 90, since it is the one that represents the most

extreme value

possible to be reached in order to prevent risks.

ID	resccue-wind-gust-climatic-data
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	Robert Monjo
Author E-Mail	rma@ficlima.org
Maintainer	Robert Monjo
Maintainer E-Mail	rma@ficlima.org
License	License not specified
Meta-Data created	2019-12-13T08:50:30.755539
Meta-Data modified	2019-12-13T09:37:40.613523
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/resccue-wind-gust-climatic-data
Source URL	http://www.resccue.eu/resccue-project
Keywords	Climate Indicators;Climate Scenario;RESCCUE
Area Coverage	bbox=(0.19, 40.26, 3.71, 42.74)
Resolution/Scale	n/a
Type	Climatic Scale projections
Use within modeling workflow	Hazard characterisation

Resource: RESCCUE BCN gust 2011-2040

Created	2019-12-13T08:56:06.907333
Last modified	2019-12-13T08:56:06.868346
Size	1017658
Format	geotiff
URL	https://ckan.myclimateservice.eu/dataset/2b7cbb2b-f71e-4514-9752-6ec1a0f20bb8/resource/4c00f3c7-341f-468e-a705-756a9c218d68/download/bcn_gust_2011-2040.zip

Resource: RESCCUE BCN gust 2041-2070

Created	2019-12-13T08:57:38.445419
Last modified	2019-12-13T08:57:38.408539
Size	972016
Format	geotiff

URL https://ckan.myclimateservice.eu/dataset/2b7cbb2b-f71e-4514-9752-6ec1a0f20bb8/resource/c960ffa9-dc29-47d8-8d7d-13f1ace0699f/download/bcn_gust_2041-2070.zip

Resource: RESCCUE BCN gust 2071-2100

Created 2019-12-13T08:58:02.234799
Last modified 2019-12-13T08:58:02.198274
Size 1074179
Format geotiff
URL https://ckan.myclimateservice.eu/dataset/2b7cbb2b-f71e-4514-9752-6ec1a0f20bb8/resource/c3f4ccba-2206-4c4e-b7e4-8c10a3893d75/download/bcn_gust_2071-2100.zip

Dataset: Stockholm heat related variables from Urban SIS

1x1 km resolution hourly data over Stockholm, Bologna and Amsterdam. The full dataset contains ECVs and climate indicators calculated for meteorological, hydrological and air quality data. A subset of these data, with focus on Stockholm and heat related indicators has been selected for inclusion in the Clarity system.

Information about available climate indicators are given here:

<http://urbansis.climate.copernicus.eu/urban-sis-climate-indicators/>

Parameter information: See: <http://urbansis.climate.copernicus.eu/urban-sis-climate-indicators/>

Storage: NetCDF, available for visualisation and download: <http://urban-sis.smhi.se/> For additional formats via the THREDDs catalogur: <http://urban-sis.smhi.se/thredds/catalog.html>

ID	stockholm-heat-related-variables-from-urban-sis
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	SMHI
Author E-Mail	n/a
Maintainer	Lena Strömbäck
Maintainer E-Mail	lena.stromback@smhi.se
License	Other (Open)
Meta-Data created	2018-12-05T09:47:15.575993
Meta-Data modified	2019-08-02T09:56:36.987039
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/stockholm-heat-related-variables-from-urban-sis
Source URL	http://urbansis.climate.copernicus.eu/
Keywords	Air Quality;CLARITY;Climate Indicators;D7.8;DC2;ECV;Hydrological data;Precipitation;Temperature;WP2;open-data

Area Coverage	Stockholm
Data availability	available
Date of Survey	Historical, Present (around 2000), Future (around 2050)
Input for	Expert studies
Resolution /scale	1km grid, hourly, lat_min 58.81, lon_min 17.03, lat_max 59.80, long_max 18.98
Type	Meteorological, air quality and hydrological data
Use within modelling workflow	DC2 workflows involving Stockholm

Resource: Stockholm number of hot days reanalysis

Number of days per year with a mean air temperature at 2 m above ground above the 75th percentile during summer months (Apr-Sep).

1 km resolution, based on hourly data.

Created	2019-08-02T07:18:45.902991
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Number_of_hot_days/stockholm_110_historic_hotdays.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm number of hot days present climate

Number of days per year with a mean air temperature at 2 m above ground above the 75th percentile during summer months (Apr-Sep).

1 km resolution, based on hourly data.

Created	2019-08-02T07:28:17.188784
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Number_of_hot_days/stockholm_110_presclim_hotdays.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm number of hot days future climate

Number of days per year with a mean air temperature at 2 m above ground above the 75th percentile during summer months (Apr-Sep).

1 km resolution, based on hourly data.

Created	2019-08-02T07:34:56.341828
Last modified	n/a

Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Number_of_hot_days/stockholm_110_futclim_hotdays.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat wave duration reanalysis

Heat waves are characterized as periods of sustained, extreme heat, although there is no universal definition of a heat wave. For this application, a heat wave is defined according to Meehl and Tebaldi (2004) based on daily maximum air temperature (Tmax) and two percentile thresholds (T1 and T2) from the distribution of daily Tmax during the reference scenario period.

1 km resolution, based on hourly data.

Created	2019-08-02T07:38:56.065846
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_wave_duration/stockholm_110_historic-maxHeatWaveDuration_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat wave duration present climate

Heat waves are characterized as periods of sustained, extreme heat, although there is no universal definition of a heat wave. For this application, a heat wave is defined according to Meehl and Tebaldi (2004) based on daily maximum air temperature (Tmax) and two percentile thresholds (T1 and T2) from the distribution of daily Tmax during the reference scenario period.

1 km resolution, based on hourly data.

Created	2019-08-02T07:41:39.957365
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_wave_duration/stockholm_110_presclim-maxHeatWaveDuration_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat wave duration future climate

Heat waves are characterized as periods of sustained, extreme heat, although there is no universal definition of a heat wave. For this application, a heat wave is defined according to Meehl and Tebaldi (2004) based on daily maximum air temperature (Tmax) and two percentile thresholds (T1 and T2) from the distribution of daily Tmax during the reference scenario period.

1 km resolution, based on hourly data.

Created	2019-08-02T07:49:25.229223
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_wave_duration/stockholm_110_futclim-maxHeatWaveDuration_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat induced mortality reanalysis

Number of deaths associated with temperatures above the 75th percentile of daily mean temperature during summer months (Apr-Sep). Relative risks extracted from a European multi-city study (de' Donato et al. 2015) are used to describe the effect of high temperatures on mortality.

1 km resolution yearly data

Created	2019-08-02T09:03:34.023855
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_induced_mortality/stockholm_110_historic-annualHeatDeaths_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat induced mortality per 100k inhabitants reanalysis

Number of deaths associated with temperatures above the 75th percentile of daily mean temperature during summer months (Apr-Sep). Relative risks extracted from a European multi-city study (de' Donato et al. 2015) are used to describe the effect of high temperatures on mortality.

1 km resolution yearly data

Created	2019-08-02T09:06:29.526091
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_induced_mortality/stockholm_110_historic-annualHeatDeaths_per100k_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat induced mortality present climate

Number of deaths associated with temperatures above the 75th percentile of daily mean temperature during summer months (Apr-Sep). Relative risks extracted from a European multi-city study (de' Donato et al. 2015) are used to describe the effect of high temperatures on mortality.

1 km resolution yearly data

Created 2019-08-02T09:08:08.494051

Last modified n/a

Size n/a

Format WMS

URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_induced_mortality/stockholm_110_presclim-annualHeatDeaths_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat induced mortality per 100k inhabitants present climate

Number of deaths associated with temperatures above the 75th percentile of daily mean temperature during summer months (Apr-Sep). Relative risks extracted from a European multi-city study (de' Donato et al. 2015) are used to describe the effect of high temperatures on mortality.

1 km resolution yearly data

Created 2019-08-02T09:10:05.505499

Last modified n/a

Size n/a

Format WMS

URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_induced_mortality/stockholm_110_presclim-annualHeatDeaths_per100k_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat induced mortality future climate

Number of deaths associated with temperatures above the 75th percentile of daily mean temperature during summer months (Apr-Sep). Relative risks extracted from a European multi-city study (de' Donato et al. 2015) are used to describe the effect of high temperatures on mortality.

1 km resolution yearly data

Created 2019-08-02T09:12:29.303399

Last modified n/a

Size n/a

Format WMS

URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_induced_mortality/stockholm_110_futclim-annualHeatDeaths_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm heat induced mortality per 100k inhabitants future climate

Number of deaths associated with temperatures above the 75th percentile of daily mean temperature during summer months (Apr-Sep). Relative risks extracted from a European multi-city study (de' Donato et al. 2015) are used to describe the effect of high temperatures on mortality.

1 km resolution yearly data

Created	2019-08-02T09:14:01.920551
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Heat_stress/Heat_induced_mortality/stockholm_110_futclim-annualHeatDeaths_per100k_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm frequency of tropical nights reanalysis

Tropical nights are nights when minimum 2 m air temperature remains greater than 20° C (e.g. Fischer and Schär 2010).

1 km yearly data

Created	2019-08-02T09:22:52.639160
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Frequency_of_tropical_nights/stockholm_110_historic_tropicalnights.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm frequency of tropical nights present climate

Tropical nights are nights when minimum 2 m air temperature remains greater than 20° C (e.g. Fischer and Schär 2010).

1 km yearly data

Created	2019-08-02T09:24:30.023791
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Frequency_of_tropical_nights/stockholm_110_presclim_tropicalnights.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm frequency of tropical nights future climate

Tropical nights are nights when minimum 2 m air temperature remains greater than 20° C (e.g. Fischer and Schär 2010).

1 km yearly data

Created 2019-08-02T09:25:54.353351
Last modified n/a
Size n/a
Format WMS
URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Frequency_of_tropical_nights/stockholm_110_futclim_tropicalnights.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm days over Thomson discomfort index 24 reanalysis

Thom discomfort index is a physiological thermal stress indicator for people based on dry-bulb and wet-bulb temperature (Thom 1957, Epstein and Moran 2006).

1 km resolution yearly data

Created 2019-08-02T09:32:34.111528
Last modified n/a
Size n/a
Format WMS
URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Thom_discomfort_index/stockholm_110_historic-thomindex_24_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm days over Thomson discomfort index 28 reanalysis

Thom discomfort index is a physiological thermal stress indicator for people based on dry-bulb and wet-bulb temperature (Thom 1957, Epstein and Moran 2006).

1 km resolution yearly data

Created 2019-08-02T09:34:21.811455
Last modified n/a
Size n/a
Format WMS
URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Thom_discomfort_index/stockholm_110_historic-thomindex_28_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm days over Thomson discomfort index 24 present climate

Thom discomfort index is a physiological thermal stress indicator for people based on dry-bulb and wet-bulb temperature (Thom 1957, Epstein and Moran 2006).

1 km resolution yearly data

Created	2019-08-02T09:35:46.887536
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Thom_discomfort_index/stockholm_110_presclim-thomindex_24_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm days over Thomson discomfort index 28 present climate

Thom discomfort index is a physiological thermal stress indicator for people based on dry-bulb and wet-bulb temperature (Thom 1957, Epstein and Moran 2006).

1 km resolution yearly data

Created	2019-08-02T09:36:54.382551
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Thom_discomfort_index/stockholm_110_presclim-thomindex_28_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm days over Thomson discomfort index 24 future climate

Thom discomfort index is a physiological thermal stress indicator for people based on dry-bulb and wet-bulb temperature (Thom 1957, Epstein and Moran 2006).

1 km resolution yearly data

Created	2019-08-02T09:38:18.344319
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Thom_discomfort_index/stockholm_110_futclim-thomindex_24_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm days over Thomson discomfort index 28 future climate

Thom discomfort index is a physiological thermal stress indicator for people based on dry-bulb and wet-bulb temperature (Thom 1957, Epstein and Moran 2006).

1 km resolution yearly data

Created	2019-08-02T09:39:46.394336
Last modified	n/a
Size	n/a

Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Thom_discomfort_index/stockholm_110_futclim-thomindex_28_yearly.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm UTCI sun reanalysis

The UTCI is a thermal comfort indicator based on human heat balance models and designed to be applicable in all seasons and climates and for all spatial and temporal scales (Bröde et al. 2012). There are 10 UTCI thermal stress categories defined as follows:

above +46: extreme heat stress; +38 to +46: very strong heat stress; +32 to +38: strong heat stress; +26 to +32: moderate heat stress;

+9 to +26: no thermal stress; +9 to 0: slight cold stress; 0 to -13: moderate cold stress; -13 to -27: strong cold stress;

-27 to -40: very strong cold stress; below -40: extreme cold stress.

1 km resolution yearly data

Created	2019-08-02T09:43:02.730155
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Universal_Thermal_Climate_Index/stockholm_110_historic_UTCI_OUTSUN.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm UTCI shadow reanalysis

The UTCI is a thermal comfort indicator based on human heat balance models and designed to be applicable in all seasons and climates and for all spatial and temporal scales (Bröde et al. 2012). There are 10 UTCI thermal stress categories defined as follows: above +46: extreme heat stress; +38 to +46: very strong heat stress; +32 to +38: strong heat stress; +26 to +32: moderate heat stress; +9 to +26: no thermal stress; +9 to 0: slight cold stress; 0 to -13: moderate cold stress; -13 to -27: strong cold stress; -27 to -40: very strong cold stress; below -40: extreme cold stress.

1 km resolution yearly data

Created	2019-08-02T09:45:34.783607
Last modified	n/a
Size	n/a
Format	WMS
URL	http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Universal_Thermal_Climate_Index/stockholm_110_historic_UTCI_OUTSHAD.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm UTCI sun present climate

The UTCI is a thermal comfort indicator based on human heat balance models and designed to be applicable in all seasons and climates and for all spatial and temporal scales (Bröde et al. 2012). There are 10 UTCI thermal stress categories defined as follows: above +46: extreme heat stress; +38 to +46: very

strong heat stress; +32 to +38: strong heat stress; +26 to +32: moderate heat stress; +9 to +26: no thermal stress; +9 to 0: slight cold stress; 0 to -13: moderate cold stress; -13 to -27: strong cold stress; -27 to -40: very strong cold stress; below -40: extreme cold stress.

1 km resolution yearly data

Created 2019-08-02T09:47:41.196885
Last modified n/a
Size n/a
Format WMS
URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Universal_Thermal_Climate_Index/stockholm_110_presclim_UTCI_OUTSUN.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm UTCI shadow present climate

The UTCI is a thermal comfort indicator based on human heat balance models and designed to be applicable in all seasons and climates and for all spatial and temporal scales (Bröde et al. 2012). There are 10 UTCI thermal stress categories defined as follows: above +46: extreme heat stress; +38 to +46: very strong heat stress; +32 to +38: strong heat stress; +26 to +32: moderate heat stress; +9 to +26: no thermal stress; +9 to 0: slight cold stress; 0 to -13: moderate cold stress; -13 to -27: strong cold stress; -27 to -40: very strong cold stress; below -40: extreme cold stress.

1 km resolution yearly data

Created 2019-08-02T09:48:58.131474
Last modified n/a
Size n/a
Format WMS
URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Universal_Thermal_Climate_Index/stockholm_110_presclim_UTCI_OUTSHAD.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm UTCI sun future climate

The UTCI is a thermal comfort indicator based on human heat balance models and designed to be applicable in all seasons and climates and for all spatial and temporal scales (Bröde et al. 2012). There are 10 UTCI thermal stress categories defined as follows: above +46: extreme heat stress; +38 to +46: very strong heat stress; +32 to +38: strong heat stress; +26 to +32: moderate heat stress; +9 to +26: no thermal stress; +9 to 0: slight cold stress; 0 to -13: moderate cold stress; -13 to -27: strong cold stress; -27 to -40: very strong cold stress; below -40: extreme cold stress.

1 km resolution yearly data

Created 2019-08-02T09:50:16.588666
Last modified n/a
Size n/a
Format WMS

URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Universal_Thermal_Climate_Index/stockholm_110_futclim_UTCI_OUTSUN.nc?service=WMS&version=1.3.0&request=GetCapabilities

Resource: Stockholm UTCI shadow future climate

The UTCI is a thermal comfort indicator based on human heat balance models and designed to be applicable in all seasons and climates and for all spatial and temporal scales (Bröde et al. 2012). There are 10 UTCI thermal stress categories defined as follows: above +46: extreme heat stress; +38 to +46: very strong heat stress; +32 to +38: strong heat stress; +26 to +32: moderate heat stress; +9 to +26: no thermal stress; +9 to 0: slight cold stress; 0 to -13: moderate cold stress; -13 to -27: strong cold stress; -27 to -40: very strong cold stress; below -40: extreme cold stress.

1 km resolution yearly data

Created 2019-08-02T09:56:13.296596

Last modified n/a

Size n/a

Format WMS

URL http://urban-sis.smhi.se/thredds/wms/deliveries/Stockholm/Health_indicators/Discomfort/Universal_Thermal_Climate_Index/stockholm_110_futclim_UTCI_OUTSHAD.nc?service=WMS&version=1.3.0&request=GetCapabilities

Dataset: CMIP5 climate projections

Responsible party

Aemet is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): AEMET

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

CMIP5.

The CMIP5 experimental protocol was endorsed by the 12th Session of the WCRP Working Group on Coupled Modelling (WGCM) and is presented in the following document: Taylor, K. E., R. J. Stouffer and G. A. Meehl, 2009: A Summary of the CMIP5 Experiment Design

External Datasets: ACCESS1-0, CanESM2, HADGEM2-CC, MPI-ESM-MR, NorESM1-M

Intended use

External grid data with climatic projections. Foreseen possible risks over the road network linked to weather variables.

Building Blocks: Catalogue of Data Sources and Simulation Models, Data Repositories, High Level Climate

Change Risk Assessment Tool, Multi-Criteria-Analysis Decision Support Tool

Data description

Netcdf data fails with the forecasted values of weather variables.

Parameter information: grid data

Coverage: Spain/Europe from 1960 - 2100

Resolution: space: 1.5°, temporal: daily

Storage: format: netcdf, expected size: 300 MB / (variable and model), (this size corresponds to Europe)

Data management

Availability: existing data

Owner: CMIP5

Open Access: yes

Access conditions: research purposes

(Meta-) Data Repository

Data Repository Name: ATOS

Data Repository Description: public institution

Data Repository Access: to be defined

ID	cmip5-climate-projections
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T12:07:07.580851
Meta-Data modified	2019-07-25T08:14:22.635502
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/cmip5-climate-projections
Source URL	https://esgf-node.llnl.gov/projects/cmip5/
Keywords	CLARITY;D7.8;DC4;WP2;input-data;open-data

Area Coverage Worldwide

Type Climate data projection

Resource:

Created 2019-01-16T12:07:20.923108

Last modified n/a

Size n/a

Format NetCDF

URL n/a

Dataset: Current climate atlas

Owner: AEMet

ID current-climate-atlas

Version 1.0

Organisation DC4 - Spain

Category Open Data used by CLARITY

Author n/a

Author E-Mail n/a

Maintainer n/a

Maintainer E-Mail n/a

License Other (Open)

Meta-Data created 2019-01-16T11:57:11.043985

Meta-Data modified 2019-07-08T11:50:49.341899

Meta-Data URL <https://ckan.myclimateservice.eu/dataset/current-climate-atlas>

Source http://www.aemet.es/en/serviciosclimaticos/datosclimatologicos/atlas_climatico **URL**

Keywords CLARITY;Climate data;DC4;WP2;input-data;open-data

Area Coverage Spain & Portugal

Date of Survey 1971-2000

Type Climate data

Resource:

Created 2019-01-16T11:57:29.289614

Last modified n/a

Size n/a

Format geotiff

URL n/a

Dataset: Altimetric information of the LiDAR point cloud

Responsible party

Meteogrid is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): METEOGRID

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

Spanish Geographic Institute

External Datasets: Spanish National Center of Cartographic Downloads

Intended use

This database is going to be used in: (1) hazard definitions (hydric, landslides, vegetation growth, etc) and (2) identification of vulnerable elements; in the Spanish user case

Building Blocks: Catalogue of Elements at Risk and Adaptation Options, Map Component

Data description

Digital files with altimeter information of the LiDAR point cloud., distributed in 2x2 km-long files. Point clouds were captured with flights using LiDAR sensors with a density of 0.5 points / m², subsequently classified and RGB-colored using orthophotos from the National Plan for Aerial Orthophotography (PNOA) with a pixel size of either 25 or 50 cm. (check LIDAR coverage in <http://pnoa.ign.es/coberturalidar>)

Parameter information: Point data

Coverage: It is available all Spanish territory but it has to be defined the coverage that It is going to be used (road buffers?)

Resolution: 0.5 points / m²

CRS: ETRS89 for the Iberian Peninsula, Balearic Islands, Ceuta and Melilla, and REGCAN95 for the Canary Islands (both systems are compatible with WGS84). UTM projection in the corresponding zone. orthometric heights.

Storage: LAZ (LAS compression file format) file. Expected size depends on coverage

Metadata: ISO 19115 standard

Data management

Availability: existing data

Owner: Spanish Geographic Institute

Open Access: yes

Access conditions: All uses

ID	altimetric-information-of-the-lidar-point-cloud
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	Instituto Geográfico Nacional
Author E-Mail	consulta@cnig.es
Maintainer	Instituto Geográfico Nacional
Maintainer E-Mail	consulta@cnig.es
License	Other (Open)
Meta-Data created	2019-02-01T13:45:37.842904
Meta-Data modified	2019-07-08T11:33:11.333655
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/altimetric-information-of-the-lidar-point-cloud
Source URL	http://pnoa.ign.es/presentacion
Keywords	D7.8;DC4;WP2;input-data;open-data

Resource: Centro de Descarga del CNIG

Los datos se distribuyen a través del Centro de Descarga del CNIG en ficheros digitales de 2x2 km de extensión. El formato de descarga es LAZ (formato de compresión de ficheros LAS). En la información auxiliar se ofrece una herramienta de descompresión y visualización de ficheros LAZ y LAS.

<http://www.ign.es/wms-inspire/mapa-raster?request=GetCapabilities&service=WMS>

Created	2019-02-01T13:46:41.610829
Last modified	n/a
Size	n/a
Format	LAZ
URL	http://centrodedescargas.cnig.es/CentroDescargas/buscadorCatalogo.do?codFamilia=LIDAR

Dataset: Digital Elevation Model data over Europe (EU-DEM)

Processors: European Environment Agency (EEA)

Owners: Directorate-General Enterprise and Industry (DG-ENTR) , European Commission

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Robert Goler, Astrid Kainz

ID	digital-elevation-model-data-over-europe-eu-dem
Version	1.0

Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T10:47:32.345105
Meta-Data modified	2019-07-08T10:23:11.878044
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/digital-elevation-model-data-over-europe-eu-dem
Source URL	https://www.eea.europa.eu/data-and-maps/data/copernicus-land-monitoring-service-eu-dem
Keywords	CLARITY;DC3;DC4;WP3;open-data
Area Coverage	EU
Date of Survey	2000
Input for	MUKLIMO_3, COSMO-CLM
Resolution/Scale	30 m
Type	Elevation data
Use within modelling workflow	pre-expert study

Resource:

Created	2019-01-16T10:47:55.128209
Last modified	n/a
Size	n/a
Format	geotiff
URL	n/a

Dataset: SWICCA (precipitation, hydrological variables)

Ensemble of hydrological effect studies, some of this data is provided specifically for Clarity as NetCDF. Other data is available for download via the SWICCA site.

Three of the datasets have been selected for inclusion in the CSIS.

Information about available climate indicators in the full dataset are given here:
<http://swicca.climate.copernicus.eu/start/climate-indicators/>

Metadata: Metadata is available via: <http://swicca.climate.copernicus.eu/start/climate-indicators/>

Data Repository Name: <http://swicca.climate.copernicus.eu/indicator-interface/graphs-and-download/>

Data can also be downloaded via: <http://swicca.smhi.se/thredds/catalog.html>

ID	swicca-temperature-precipitation-hydrological-variables
Version	1.0
Organisation	DC2 - Sweden
Category	Open Data used by CLARITY
Author	SMHI
Author E-Mail	n/a
Maintainer	Yeshewatesfa Hundecha
Maintainer E-Mail	yeshewatesfa.hundecha@smhi.se
License	Other (Open)
Meta-Data created	2018-12-05T08:36:34.355082
Meta-Data modified	2019-02-11T12:59:06.524639
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/swicca-temperature-precipitation-hydrological-variables
Source URL	http://swicca.climate.copernicus.eu/
Keywords	CLARITY;D7.8;DC2;Hydrological data;Precipitation;Temperature;WP2;input-data;open-data
Area Coverage	Europe
Data availability	available
Date of Survey	2020, 2050, 2080
Input for	Pre-study, expert studies
Resolution/Scale	n/a
Type	Hydrological data
Use within modelling workflow	DC2 workflows

Resource: Flood recurrence

spatial resolution: 5 degree grid,
Data for different recurrence periods
Base don daily data

Created	2018-12-05T13:12:37.959618
Last modified	2019-02-07T11:58:59.976876
Size	4640476
Format	NetCDF
URL	https://ckan.myclimateservice.eu/dataset/a64cd01c-30ab-4368-a0b5-53fa7ed5bd87/resource/9543069f-c2fd-48aa-bc90-14d1bb688702/download/dataset-sis-flood-recurrence-swicca_2018-05-16t10_40_51.413421.zip

Resource: River flow

spatial resolution: 50 km / catchment (irregular grid)

Created 2018-12-05T13:13:21.348986
Last modified 2019-02-07T12:02:15.334619
Size 46471470
Format NetCDF
URL https://ckan.myclimateservice.eu/dataset/a64cd01c-30ab-4368-a0b5-53fa7ed5bd87/resource/d9c82d5e-cb85-4065-b586-ebe2417e5834/download/dataset-sis-river-flow-swicca_2018-05-08t14_27_58.666339.zip

Resource: Water runoff

spatial resolution: 50 km / catchment (irregular grid)

Created 2018-12-05T13:14:18.842758
Last modified 2019-02-07T12:05:41.139822
Size 800447
Format NetCDF
URL https://ckan.myclimateservice.eu/dataset/a64cd01c-30ab-4368-a0b5-53fa7ed5bd87/resource/a3c4f12d-b574-4b2c-936b-a45c3a52c748/download/dataset-sis-water-runoff-swicca_2018-05-08t13_26_58.335871.zip

Dataset: Tree Cover Density (TCD) 2012

Responsible party

European Environment Agency - copernicus\@eea.europa.eu

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP3

Data provenance

Existing data from <http://land.copernicus.eu/>

Intended use

Data will be used in WP3

Building Blocks: Catalogue of Data Sources and Simulation Models, High Level Climate Change Risk Assessment Tool, Map Component

Data description

from <http://land.copernicus.eu/pan-european/high-resolution-layers/forests/tree-cover-density>

High resolution land cover characteristics of 5 main land cover types.

HR Forest, Service Element 1 - Final enhanced and mitigated European mosaic of Tree Cover Density (TCD; 0-100%) in 20m spatial resolution and European projection. The TCD maps the degree (0-100% per pixel) of tree cover density without a minimum mapping unit (MMU), but with a minimum mapping width (MMW) of 20m.

The included features are:

- 1\) Evergreen/non-evergreen broad-leaved, sclerophyllous and coniferous trees;
- 2\) Orchards, olive groves, fruit and other tree plantations, agro-forestry areas, forest nurseries, regeneration and transitional woodlands;
- 3\) Alleys, wooded parks and gardens;
- 4\) Groups of trees within urban areas;
- 5\) Forest management/use features inside forests (forest roads, fire-breaks, thinning, etc.) and forest damage features inside forests (partially burnt areas, storm damage, insect-infested damage, etc.) are included if tree cover can be detected from the 20m imagery.

Accordingly, included features are all detectable trees, independent of use.

Parameter information: Name: Tree cover density, Data type: Raster

Coverage: Temporal: 2011-2012

Spatial: Europe

Resolution: Spatial: 20m and 100m

CRS: ETRS89

Storage: Format: Raster, Transfer size: 7.4 GB for TCD Full Mosaic 020m; 388 MB for TCD Full Mosaic 100m

Metadata: Link to Metadata: <http://land.copernicus.eu/pan-european/high-resolution-layers/forests/tree-cover-density>

Data management

Availability: existing data

Owner: European Environment Agency (EEA)

Open Access: yes

Access conditions:

from <http://land.copernicus.eu/pan-european/high-resolution-layers/forests/tree-cover-density>
(Conditions applying to access and use):

Access to data is based on a principle of full, open and free access as established by the Copernicus data and information policy Regulation (EU) No 1159/2013 of 12 July 2013.

Free, full and open access to this data set is made on the conditions that:

- 1\ When distributing or communicating Copernicus dedicated data and Copernicus service information to the public, users shall inform the public of the source of that data and information.
- 2\ Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union.
- 3\ Where that data or information has been adapted or modified, the user shall clearly state this.
- 4\ The data remain the sole property of the European Union.

Any information and data produced in the framework of the action shall be the sole property of the European Union. Any communication and publication by the beneficiary shall acknowledge that the data were produced "with funding by the European Union".

(Meta-) Data Repository

Data Repository Name: Copernicus Land Monitoring Service

Data Repository Access: openly available: <http://land.copernicus.eu/pan-european/high-resolution-layers/forests/tree-cover-density>

ID	tree-cover-density-tcd-2012
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	European Environment Agency (EEA)
Author E-Mail	n/a
Maintainer	European Environment Agency (EEA)
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-02-04T12:29:44.062408
Meta-Data modified	2019-02-04T12:31:12.359414
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/tree-cover-density-tcd-2012
Source URL	n/a
Keywords	D7.8;WP3;input-data;open-data

Resource: Tree Cover Density

Tree Cover Density product consists of the status layers showing the level of tree cover density in a range from 0-100%, available for the 2012 and 2015 reference years, and a change product showing increase or decrease of real TCD changes (%) in 2012-2015.

Created 2019-02-04T12:31:12.213510

Last modified	n/a
Size	n/a
Format	raster
URL	https://land.copernicus.eu/pan-european/high-resolution-layers/forests/tree-cover-density/status-maps/2012?tab=download

Dataset: European Climate Assessment & Dataset (ECAD)

Responsible party

<http://www.ecad.eu/>

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP3

Data provenance

Existing data from <http://www.ecad.eu/>

Intended use

will be used in WP3

Data description

from <http://www.ecad.eu>

ECA&D

The objective of ECA&D is to combine collation of daily series of observations at meteorological stations, quality control, analysis of extremes and dissemination of both the daily data and the analysis results. Integration of these activities in one project proves to be essential for success.

The ECA dataset consists of daily station series obtained from climatological divisions of National Meteorological and Hydrological Services and station series maintained by observatories and research centres throughout Europe and the Mediterranean.

E-OBS

E-OBS is a daily gridded observational dataset for precipitation, temperature and sea level pressure in Europe based on ECA&D information.

Parameter information:

- daily observations at 10615 meteorological stations (minimum, mean and maximum temperature, precipitation amount, sea level pressure, cloud cover, sunshine duration, snow depth, relative humidity, wind speed, maximum wind gust and wind direction)

- 72 indices of extremes, describing changes in the mean or extremes of climate (No. of summer days, No. of tropical nights, Standardised Precipitation Index, \...)

- daily gridded observational dataset (E-OBS) of precipitation, temperature and sea level pressure,

more information about available datasets: <http://www.ecad.eu/dailydata/datadictionary.php>

Coverage:

Spatial: 10615 meteorological stations throughout Europe and the Mediterranean (62 countries)

Temporal:

Station data: start time varies depending on station

E-OBS gridded data: 1950-2017

Resolution: Spatial: station data; 0.25° and 0.5° regular lat-lon grid for gridded data, Temporal: daily for observational and gridded data; monthly, seasonally, yearly for indices data

Storage:

ECA dataset & indices data

Format: ASCII

E-OBS (gridded version of ECA dataset)

Format: netcdf

Metadata:

Daily datasets: <http://www.ecad.eu/dailydata/index.php>

Indices of extremes: <http://www.ecad.eu/download/millennium/millennium.php>

Gridded datasets: <http://www.ecad.eu/download/ensembles/ensembles.php>

Data management

Availability: existing data

Owner: ECA&D and E-OBS

Open Access: yes

Access conditions:

from http://www.ecad.eu/documents/ECAD_datapolicy.pdf :

1\ Terms and conditions of use

- a\) Observational station data of the European Climate Assessment & Dataset (ECA&D) and the ENSEMBLES Observations gridded dataset (E-OBS) are made available free of charge from <http://www.ecad.eu>
- b\) These data, which include many GCOS-defined Essential Climate Variables (ECVs) for the atmosphere near the surface, are strictly for use in non-commercial research and education projects only. Scientific results based on these data must be submitted for publication in the open literature without delay. If you are unsure about the terms "non-commercial", "research", and "education", please contact the ECA&D Project Team at eca@knmi.nl for clarification.
- c\) Part of the data in ECA&D is for stations which are labelled "non-downloadable". This indicates that the daily data for these stations are not publicly available from <http://www.ecad.eu> . "Non-downloadable" daily data are used together with "downloadable" daily data to calculate derived value-added products, such as indices of extremes or daily maps of gridded data (E-OBS). The derived products are made publicly available irrespective of the "non-downloadable"/"downloadable" status of the daily data these products are based on.
- d\) "Non-downloadable" daily data are also used for research projects conducted by ECA&D staff or jointly by ECA&D staff and other research groups. You can contact us for suggestions for joint research. The "non-downloadable" data may be available from the data provider directly, as well as additional data. Please direct your inquiries to obtain these data to the ECA&D Project Team (eca@knmi.nl).
- e\) Although care has been taken in preparing and testing the data products, we cannot guarantee that the data are correct in all circumstances; neither do we accept any liability whatsoever for any error or omission in the data products, their availability, or for any loss or damage arising from their use.
- f\) Users should help improve the quality of the data and its delivery by giving feedback where appropriate. Frequent updates are published and a version control system is in place for E-OBS.

g\)) Participation in ECA&D is open to anyone maintaining daily data for stations in the region.

Please contact us if you want to take part. ECA&D has been designated as Regional Climate

Centre for Climate Data (RCC-CD) in WMO Region VI (Europe and the Middle East).

(Meta-) Data Repository

Data Repository Name: ECAD website

Data Repository Description: Data available for download.

Data Repository Access: no registration needed for ECA station data, whereas user registration is mandatory for access to E-OBS grids

Part of the data in ECA&D is for stations which are labelled "non-downloadable". This indicates that the daily data for these stations are not publicly available from <http://www.ecad.eu> , but may be available from the data provider directly.

ID	european-climate-assessment-dataset-ecad
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	ECAD
Author E-Mail	n/a
Maintainer	ECAD
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-02-04T12:23:24.532045
Meta-Data modified	2019-02-04T12:24:45.941557
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/european-climate-assessment-dataset-ecad
Source URL	n/a
Keywords	D7.8;WP3;input-data;open-data

Resource: European Climate Assessment & Dataset project

Presented is information on changes in weather and climate extremes, as well as the daily dataset needed to monitor and analyse these extremes. ECA&D was initiated by the ECSN in 1998 and has received financial support from the EUMETNET and the European Commission.

Created	2019-02-04T12:24:19.181749
Last modified	n/a
Size	n/a
Format	n/a
URL	https://www.ecad.eu/

Dataset: EURO-CORDEX ensemble climate simulations

Ensemble climate simulations, based on different GHG emission scenarios

Modeling of future climate scenarios

Owner: CORDEX

Responsible party

<http://euro-cordex.net/index.php.en>

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP3

Data provenance

Existing data from EURO-CORDEX

<http://euro-cordex.net/index.php.en>

Intended use

data will be used in WP3 on:

Use cases: as input for calculating climate indices for the city of Linz (Austria), based on simulations with the urban climate model MUKLIMO_3

Building Blocks: Catalogue of Data Sources and Simulation Models, Data Repositories, High Level Climate Change Risk Assessment Tool, Multi-Criteria-Analysis Decision Support Tool

Data description

from <http://euro-cordex.net/060374/index.php.en> :

EURO-CORDEX is the European branch of the CORDEX initiative and will produce ensemble climate simulations based on multiple dynamical and empirical-statistical downscaling models forced by multiple global climate models from the Coupled Model Intercomparison Project Phase 5 (CMIP5).

Emission Scenarios

The EURO-CORDEX simulations consider the global climate simulations from the CMIP5 long-term experiments up to the year 2100. They are based on greenhouse gas emission scenarios (Representative Concentration Pathways, RCPs) corresponding to stabilization of radiative forcing after the 21st century at 4,5 W/m² (RCP4.5), rising radiative forcing crossing 8,5 W/m² at the end of 21st century (RCP8.5), and peaking radiative forcing within the 21st century at 3,0 W/m² and declining afterwards (RCP2.6, also referred to as RCP3-PD) (Moss et al., 2010 and 2008; Nakicenovic et al., 2000; Van Vuuren et al., 2008).

more info: <http://www.data.euro-cordex.net>

Parameter information: Format: netcdf

Coverage: Spatial: 27N -- 72N, ~22W -- 45E

Temporal: Hindcast (ERA Interim): 1989 -- 2008, Control: 1951 -- 2005 (1981 -- 2010, 1951-80), Scenario : 2006 -- 2100 (2041-71, 2011-40, 2071-2100)

Resolution: EUR-44: 0.44 degree (~50 km), EUR-11: 0.11 degree (~12.5 km)

Data management

Availability: existing data

Owner: CORDEX

Open Access: yes

Open Access: Data openly accessible, after having created an Earth System Grid Federation (ESGF) OpenID. Datanode (for example): <https://esgf-data.dkrz.de/user/add/?next=https://esgf-data.dkrz.de/search...>

Access conditions:

from http://cordex.dmi.dk/joomla/images/CORDEX/cordex_terms_of_use.pdf

Terms of use for CORDEX data for non-commercial research and educational purposes of:

a) I agree to restrict my use of CORDEX model output for non-commercial research and educational purposes only.

Results from non-commercial research are expected to be made generally available through open publication and must not be considered proprietary.

Materials prepared for educational purposes cannot be sold. These restrictions may only be relaxed by permission of the individual modelling groups responsible for the simulations.

(Meta-) Data Repository

Data Repository Name: Earth System Grid Federation (ESGF) Search Portal

Data Repository Description: External data available for download

Data Repository Link: ESGF

Data Repository Access: ESGF OpenID and corresponding password needed

two possible ways of extracting specific regions:

- Software "Climate Data Operators" (CDO)
- a web-based method (<https://climate4impact.eu>)

ID	euro-cordex-ensemble-climate-simulations
Version	1.0
Organisation	DC3 - Austria
Category	Open Data used by CLARITY
Author	Astrid Kainz
Author E-Mail	astrid.kainz@zamg.ac.at
Maintainer	Astrid Kainz
Maintainer E-Mail	astrid.kainz@zamg.ac.at
License	Other (Open)
Meta-Data created	2019-01-16T10:54:49.033927
Meta-Data modified	2019-02-04T09:00:45.539451
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/euro-cordex-ensemble-climate-simulations
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;D7.8;DC1;DC3;DC4;WP2;input-data;open-data
Area Coverage	27N – 72N, ~22W – 45E
Data availability	available
Date of Survey	1961 - 2100
Input for	Modelling of future climate scenarios; MUKLIMO_3 – cuboid method
Resolution/Scale	0.11 degree
Type	Ensemble climate simulations, based on different GHG emission scenarios
Use within modelling workflow	pre-expert study - HC

Resource:

Created	2019-01-16T10:55:04.735323
Last modified	n/a
Size	n/a
Format	NetCDF
URL	n/a

Dataset: European Landslide Susceptibility Map

Responsible party

<https://esdac.jrc.ec.europa.eu/themes/landslides>

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP3

Data provenance

Existing data from ESDAC

more information: <https://esdac.jrc.ec.europa.eu/themes/landslides>

Intended use

European Landslide Susceptibility Map (ELSUS1000) v1 will be used in WP3

Building Blocks: Catalogue of Data Sources and Simulation Models, High Level Climate Change Risk Assessment Tool, Map Component

Data description

from <https://esdac.jrc.ec.europa.eu/content/european-landslide-susceptibility>...

ELSUS1000 version 1 shows levels of spatial probability of generic landslide occurrence at continental scale. It covers most of the European Union and several neighbouring countries. Basically, the map has been produced by regionalizing the study area based on elevation and climatic conditions, followed by spatial multi-criteria evaluation modelling using pan-European slope gradient, soil parent material and land cover spatial datasets as the main landslide conditioning factors. In addition, the location of over 100,000 landslides across Europe, provided by various national organizations or collected by the authors, has been used for model calibration and validation .

Ancillary datasets: Confidence Level map of ELSUS1000 v1; NUTS 3-aggregated map of ELSUS1000 v1; and the Climato-Physiographic Regions, Classified Slope Gradient, Classified Soil Parent Material and Classified Land Cover maps used for landslide susceptibility assessment

Parameter information: Name: Landslide susceptibility levels, Data type: Raster (ESRI GRID)

Coverage: Temporal: 2013, Spatial: 27 member states of the European Union (no Cyprus) + Albania, Bosnia and Herzegovina, Croatia, Kosovo, FYR Macedonia, Montenegro, Norway, Serbia and Switzerland

Resolution: 1 km

CRS: ETRS89 Lambert Azimuthal Equal Area

Metadata: Link to Metadata: <https://esdac.jrc.ec.europa.eu/content/european-landslide-susceptibility>...

Data management

Availability: existing data

Owner: European Soil Data Centre (ESDAC)

Open Access: yes

Access conditions:

from: <https://esdac.jrc.ec.europa.eu/content/european-landslide-susceptibility\...> (Notification)

1. The data provided have been produced for research purposes jointly by the Joint Research Centre (JRC), Bundesanstalt für Geowissenschaften und Rohstoffe (BGR), Institute de Physique du Globe de Strasbourg (CNR-EOST), and Istituto di Ricerca per la Protezione Idrogeologica (CNR-IRPI). The data produced are made available for research and development purposes.
2. None of these organizations, including the authors, accept any liability whatsoever for any error, missing data or omission in the data, or for any loss or damage arising from its use. The JRC agrees to provide the data free of charge but is not bound to justify the content and values contained in the databases.
3. The permission to use the data specified above is granted on condition that, under NO CIRCUMSTANCES are these data passed to third parties. They can be used for any purpose, including commercial gain.
4. The user agrees to:
 - a) Make proper reference to the source of the data when disseminating the results to which this agreement relates.
 - b) Participate in the verification of the data (e.g. by noting and reporting any errors or omissions discovered to the JRC).

(Meta-) Data Repository

Data Repository Name: ESDAC website

Data Repository Description: External data available for download.

Data Repository Link: ELSUS1000 v1

Data Repository Access: Data is available for download, registration is required.

<https://esdac.jrc.ec.europa.eu/content/european-landslide-susceptibility\...>

ID	european-landslide-susceptibility-map
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	ESDAC
Author E-Mail	n/a
Maintainer	ESDAC
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-02-04T08:57:18.399827
Meta-Data modified	2019-02-04T08:59:22.717355
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/european-landslide-susceptibility-map

Source URL n/a

Keywords D7.8;WP3;input-data;open-data

Resource: European Landslide Susceptibility Map version 2 (ELSUS v2)

ELSUS v2 shows levels of spatial probability of generic landslide occurrence at continental scale. It covers all European Union member states except Malta, and several neighbouring countries. The map has been produced by regionalizing the study area based on elevation and climatic conditions, followed by spatial multi-criteria evaluation modelling using pan-European slope angle, shallow sub-surface lithology, and land cover spatial datasets as the main landslide conditioning factors. In addition, the location of over 149,000 landslides across Europe, provided by various national organizations or collected by the authors, has been used for model calibration and map validation. Additional information is given in both the metadata and the references below.

Compared with the previous version ELSUS1000 v1, ELSUS v2 provides larger geographical coverage, higher spatial resolution and higher prediction model performance.

The map has been produced jointly by Bundesanstalt für Geowissenschaften und Rohstoffe (BGR, Hannover, Germany), Istituto di Ricerca per la Protezione Idrogeologica (CNR-IRPI, Perugia, Italy), Institut de Physique du Globe de Strasbourg (CNRS-EOST, Strasbourg, France), and the Joint Research Centre (JRC, Ispra, Italy), as part of the collaborative work of the European Landslide Expert Group and the European Centre on Geomorphological Hazards (CERG) in support of the EU Thematic Strategy for Soil Protection.

The landslide susceptibility map is available to download together with ancillary maps including confidence level of the classified landslide susceptibility, climate-physiographic regions, slope angle, lithology, and land cover. ELSUS v2 is to be viewed at scales up to 1:200,000 and should not be used to deduce local information on landslide susceptibility.

Created 2019-02-04T08:58:51.440252

Last modified n/a

Size n/a

Format Esri ASCII Grid

URL <https://esdac.jrc.ec.europa.eu/content/european-landslide-susceptibility-map-elsus-v2>

Dataset: Zoning Plan Upper Austria

Responsible party

AIT /SBC

Responsible Party (CLARITY): AIT

Responsible Person (CLARITY): Mario Köstl

WPs: WP2

Data provenance

Downloaded from OGD Upper Austria <https://www.land-oberoesterreich.gv.at/171835.htm>

External Datasets: Zoning Plan of Upper Austria

Intended use

Information on potential future land use/information on land use change potentials (e.g. dedicated as building land but currently open space \--\> reserve for future constructions)

Data description

Zoning plan shows areas of land which are divided by the municipalities into zones within various uses are permitted (e.g. residential, industrial, agricultural) and therefore could be used for estimating the future land cover/use changes. Data can be used for future scenarios and future climate scenarios.

Coverage: 20x21km around Linz , available for Upper Austria

Resolution: Vector data

CRS: MGI / Austria GK Central

Storage: not needed

Metadata: <https://www.land-oberoesterreich.gv.at/171835.htm>

Data management

Availability: existing data

Owner: Upper Austria

Open Access: yes

Open Access: <https://www.land-oberoesterreich.gv.at/171835.htm>

Access conditions: <https://www.land-oberoesterreich.gv.at/171835.htm>

(Meta-) Data Repository

Data Repository Name: OGD Upper Austria

Data Repository Description: Open Geo Data Platform of the province of Upper Austria

Data Repository Access: open access: <https://www.land-oberoesterreich.gv.at/171835.htm>

ID	zoning-plan-upper-austria
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	Land Oberösterreich, Abteilung Raumordnung
Author E-Mail	n/a
Maintainer	Land Oberösterreich, Abteilung Raumordnung
Maintainer E-Mail	n/a

License	Creative Commons Attribution
Meta-Data created	2019-02-01T14:42:56.514950
Meta-Data modified	2019-02-01T14:43:28.610539
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/zoning-plan-upper-austria
Source URL	n/a
Keywords	D7.8;DC3;input-data;open-data

Resource: FLWI_WIDMUNGEN_F.zip

Der Layer enthält alle Widmungen, die sich in sich nicht überlagern dürfen. Geometrische Basis der Widmungsgrenzen ist die DKM, sofern die Widmungsgrenze von der Grundstücksgrenze nicht bewusst abweichen soll. Da gemäß OÖ. ROG 1994 das Gemeindegebiet flächendeckend gewidmet sein muss, sind auch jene Flächen zu widmen, die vom im Planausdruck vollflächig dargestellten Ersichtlichmachungen überlagert werden. Der Layer darf keine Lücken aufweisen. Der Datensatz unterliegt einer ständigen Aktualisierung, da die Gemeinden ihre Flächenwidmungspläne individuell bei der OÖ Landesregierung abgeben und auch ständig Änderungen gemacht werden können. Genauere Informationen finden Sie in der Planzeichenverordnung zum Flächenwidmungsplan.

Created	2019-02-01T14:43:28.482918
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	http://e-gov.ooe.gv.at/at.gv.ooe.dorisdaten/DORIS_Basisdaten/FLWI_WIDMUNGEN_F.zip

Dataset: ECMWF System4

Responsible party

Aemet is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): AEMET

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

NCEP-NCAR for the USA seasonal models. ECMWF for European seasonal models

External Datasets: CFS

Intended use

External grid data with seasonal forecasts. Foreseen possible risks over the road network linked to weather variables.

Building Blocks: Catalogue of Data Sources and Simulation Models, Data Repositories, High Level Climate Change Risk Assessment Tool, Multi-Criteria-Analysis Decision Support Tool

Data description

GRIB data fails with the forecasted values of weather variables.

Parameter information: grid data

Coverage: Spain/Europe from 2014 - 2019

Resolution: space: 1.5°, temporal: daily

Storage: format: GRIB, expected size: 150 MB / (variable and model), (this size corresponds to Europe)

Metadata: To be defined

Data management

Availability: existing data

Owner: NOAA and ECMWF

Open Access: no

Open Access:

NOAA data are freely accessible, ECMWF data are proprietary data

Access conditions: all use

(Meta-) Data Repository

Data Repository Name: ATOS

Data Repository Description: public institution

ID	ecmwf-system4
Version	1.0
Organisation	DC4 - Spain
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T11:50:25.511248
Meta-Data modified	2019-02-01T13:40:20.950839
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/ecmwf-system4

Source URL	https://www.ecmwf.int/en/forecasts/documentation-and-support/evolution-ifs/cycles/seasonal-forecast-system-4
Keywords	CLARITY;D7.8;DC4;WP2;input-data;open-data
Area Coverage	Worldwide
Date of survey	n/a
Resolution/Scale	1 degree
Type	Ensemble climate simulation
Use within modelling workflow	DC4 workflows

Resource:

Created	2019-01-16T11:50:49.684670
Last modified	n/a
Size	n/a
Format	grib2
URL	n/a

Dataset: Digital Elevation Model over Europe

Responsible party

Processors: European Environment Agency (EEA)

Owners: Directorate-General Enterprise and Industry (DG-ENTR) , European Commission

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP3

Data provenance

Existing data from European Environment Agency (EEA). The EU-DEM is a hybrid product based on SRTM and ASTER GDEM data fused by a weighted averaging approach and it has been generated as a contiguous dataset divided into 1 degree by 1 degree tiles, corresponding to the SRTM naming convention.

More info: <https://www.eea.europa.eu/data-and-maps/data/eu-dem/#tab-metadata>

External Datasets: EU-DEM

Intended use

EU-DEM will be used in WP3 on:

1. EU-scale: as a base map for high-level screening
2. Use Cases: AT, IT, SE - elevation information as input for urban climate model MUKLIMO_3

3. Possible other applications

Building Blocks: Catalogue of Data Sources and Simulation Models, High Level Climate Change Risk Assessment Tool, Map Component

Data description

The Digital Elevation Model over Europe from the GMES RDA project (EU-DEM) is a Digital Surface Model (DSM) representing the first surface as illuminated by the sensors. The EU-DEM dataset is a realisation of the Copernicus programme, managed by the European Commission, DG Enterprise and Industry.

The EU-DEM is a 3D raster dataset with elevations captured at 1 arc second postings (2.78E-4 degrees) or about every 30 metre.

All three datasets are made available as tiles (5x5° or 1000x1000km) and as single files:

- EU-DEM in ETRS89 geographic (EPSG code 4258)
- EU-DEM in ETRS89-LAEA (EPSG code 3035)
- Colour shaded relief image over Europe in ETRS89-LAEA (EPSG code 3035)

The datasets are encoded as GeoTIFF with LZW compression (tiles) or DEFLATE compression (European mosaics as single files).

Parameter information:

- Name: Elevation
- Unit: meters (m)
- Source type: observations
- Data type: raster

Coverage:

- Temporal: 2000
- Spatial: EU

Resolution: about 30 m

CRS: ETRS89

Storage: Format: tif, Transfer size: about 20 GB

Link for download: <https://www.eea.europa.eu/data-and-maps/data/eu-dem\#tab-original-data>

Metadata: <https://www.eea.europa.eu/data-and-maps/data/eu-dem\#tab-metadata>

Metadata: Link to Metadata: <https://www.eea.europa.eu/data-and-maps/data/urban-atlas/#tab-metadata>

Data management

Availability: existing data

Owner: EEA, Directorate-General Enterprise and Industry (DG-ENTR), European Commission

Open Access: yes

Access conditions:

From Metadata Rights: <https://www.eea.europa.eu/data-and-maps/data/urban-atlas/#tab-metadata>

Access to the data is governed by the draft delegated regulation on Copernicus data and information policy, as approved by the EC on 12th of July 2013, and in the process of decision making by the Council and European Parliament. This delegated act supplements regulation (EU) No 911/2010 of the European Parliament and of the Council on the European Earth monitoring programme (GMES). It establishes registration and licensing conditions for GMES/Copernicus users and defines criteria for restricting access to GMES/Copernicus dedicated data and GMES/Copernicus service information.

The following credit must be displayed when using these data: \"Produced using Copernicus data and information funded by the European Union - EU-DEM layers.\"

Access and use of the data is made on the conditions that:

- 1\ When distributing or communicating Copernicus data and information to the public, users shall inform the public of the source of that data and information.
- 2\ Users shall make sure not to convey the impression to the public that the user's activities are officially endorsed by the Union.
- 3\ Where that data or information has been adapted or modified, the user shall clearly state this.

(Meta-) Data Repository

Data Repository Name: EEA Website

Data Repository Description: External data available for download.

Data Repository Link: EU-DEM Permalink

Data Repository Properties: public or restricted (YES/NO)

Data Repository Properties:

- External data repository. Expected long-term availability.
- Security methods, including back-up, not know.
- The data are useable for third parties, also after the end of the project

Data Repository Access: Data are available for download. GIS tool needed for data analysis.

ID	digital-elevation-model-over-europe
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	European Environment Agency (EEA)
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2018-11-28T07:21:15.997082
Meta-Data modified	2019-02-01T13:33:59.020665
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/digital-elevation-model-over-europe
Source URL	https://www.eea.europa.eu/data-and-maps/data/eu-dem/#tab-metadata
Keywords	D7.8;DEM;WP3;input-data;open-data

Resource: copernicus-land-monitoring-service-eu-dem

Storage: Format: tif, Transfer size: about 20 GB

Created	2018-11-28T07:23:43.406612
Last modified	n/a
Size	n/a
Format	GEOTIFF
URL	https://www.eea.europa.eu/data-and-maps/data/copernicus-land-monitoring-service-eu-dem

Dataset: EURO-CORDEX - EUR-11_ICHEC-EC-EARTH_KNMI-RACMO22E

EURO-CORDEX dataset for historical data and Climate Scenarios 4.5 & 8.5.

Data: HURS - Relative Humidity, PRECIP - Daily Rate of Precipitation, TMAX - Maximum Daily Temperature at 2m, TMIN - Minimum Daily Temperature at 2m, WIND_SURFACE - Wind Speed at 10m

ID	euro-cordex-eur-11_ichec-ec-earth_knmi-racmo22e
Version	1.0
Organisation	CLARITY
Category	Open Data used by CLARITY
Author	KNMI
Author E-Mail	n/a
Maintainer	Robert Goler (ZAMG)
Maintainer E-Mail	robert.goler@zamg.ac.at

License	Other (Open)
Meta-Data created	2018-11-13T13:10:28.166610
Meta-Data modified	2019-01-16T11:52:53.878658
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/euro-cordex-eur-11_ichec-ec-earth_knmi-racmo22e
Source URL	https://esgf-data.dkrz.de/search/cordex-dkrz/
Keywords	CLARITY;Climate Scenario;DC1;DC3;DC4;Europe;Relative Humidity;WP3;input-data;open-data
Area Coverage	Europe: 27N - 72N, ~22W - 45E
Data availability	available
Date of Survey	1961 - 2100
Input for	FWI Calculation
Resolution/Scale	0.11°
Type	Ensemble climate simulations, based on different GHG emission scenarios
Use within modeling workflow	screening

Resource: Historical data - HURS

EURO-CORDEX dataset for historical data. Data: HURS

Created	2018-11-13T13:18:12.847200
Last modified	n/a
Size	n/a
Format	NetCDF
URL	http://esgf1.dkrz.de/thredds/catalog/esgcet/11/cordex.output.EUR-11.KNMI.ICHEC-EC-EARTH.historical.r1i1p1.RACMO22E.v1.day.hurs.v20140313.html#cordex.output.EUR-11.KNMI.ICHEC-EC-EARTH.historical.r1i1p1.RACMO22E.v1.day.hurs.v20140313

Resource: RCP45 - HURS

EURO-CORDEX dataset for Climate Scenario 4.5. Data: HURS

Created	2018-11-19T12:58:12.025010
Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://esgf1.dkrz.de/thredds/catalog/esgcet/11/cordex.output.EUR-11.KNMI.ICHEC-EC-EARTH.rcp45.r1i1p1.RACMO22E.v1.day.hurs.v20140402.html#cordex.output.EUR-11.KNMI.ICHEC-EC-EARTH.rcp45.r1i1p1.RACMO22E.v1.day.hurs.v20140402

Resource: RCP85 - HURS

EURO-CORDEX dataset for Climate Scenario 8.5. Data: HURS

Created	2018-11-19T13:01:17.909441
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Last modified	n/a
Size	n/a
Format	NetCDF
URL	https://esgf1.dkrz.de/thredds/catalog/esgcet/11/cordex.output.EUR-11.KNMI.ICHEC-EC-EARTH.rcp85.r1i1p1.RACMO22E.v1.day.hurs.v20140324.html#cordex.output.EUR-11.KNMI.ICHEC-EC-EARTH.rcp85.r1i1p1.RACMO22E.v1.day.hurs.v20140324

4. Non-Open Data used by CLARITY

Dataset: Tree Vegetation distribution with height information

Owner: City of Linz/AIT

Notes: Merge of footprint and LIDAR data, tree cadastre

ID	tree-vegetation-distribution-with-height-information
Version	1.0
Organisation	DC3 - Austria
Category	Non-Open Data used by CLARITY
Author	City of Linz
Author E-Mail	n/a
Maintainer	Romana Stollnberger
Maintainer E-Mail	Romana.Stollnberger@ait.ac.at
License	Other (Not Open)
Meta-Data created	2019-01-21T12:17:00.958455
Meta-Data modified	2020-04-30T09:16:34.880177
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/tree-vegetation-distribution-with-height-information
Source URL	n/a
Keywords	CLARITY;DC3;WP2;input-data
Area Coverage	Linz
Data availability	n/a
Date of Survey	n/a
Input for	MUKLIMO_3, Envimet
Resolution/Scale	100 m
Type	n/a
Use within modelling workflow	Expert study HC-urban climate, Microclimate, IAO/AAO

Resource:

Created 2019-01-21T12:17:14.274897

Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: 3D point-cloud data

Owner: City of Linz

Note: Lidar data

ID	3d-point-cloud-data
Version	1.0
Organisation	DC3 - Austria
Category	Non-Open Data used by CLARITY
Author	City of Linz
Author E-Mail	n/a
Maintainer	Romana Stollnberger
Maintainer E-Mail	Romana.Stollnberger@ait.ac.at
License	Other (Not Open)
Meta-Data created	2019-01-21T13:00:23.524807
Meta-Data modified	2020-04-30T09:16:18.122035
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/3d-point-cloud-data
Source URL	n/a
Keywords	CLARITY;DC3;WP2;input-data
Area Coverage	Linz
Data availability	n/a
Date of Survey	2011
Input for	3D-building and 3D city model
Resolution/Scale	regular point cloud
Type	base 3D data
Use within modelling workflow	Expert study, HC-Microclimate

Resource:

Created	2019-01-21T13:00:46.453872
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Nomalized Digital Surface Model (nDSM)

Normalized Digital Surface Model (nDSM)

Owner: City of Linz, extended

Notes: Lidar data , 21/2 D city model

ID	ndms
Version	1.0
Organisation	DC3 - Austria
Category	Non-Open Data used by CLARITY
Author	City of Linz
Author E-Mail	n/a
Maintainer	Romana Stollnberger
Maintainer E-Mail	Romana.Stollnberger@ait.ac.at
License	Other (Not Open)
Meta-Data created	2019-01-21T13:31:50.855651
Meta-Data modified	2020-04-30T09:13:19.625729
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/ndms
Source URL	n/a
Keywords	CLARITY;DC3;WP2;input-data
Area Coverage	Linz
Data availability	n/a
Date of Survey	2011-2017
Input for	DEM + 3D city model
Resolution/Scale	1 m
Type	base 3D data
Use within modelling workflow	Expert study, HC-Microclimate

Resource: Normalized Digital Surface Model

Created	2019-01-21T13:32:08.587733
Last modified	n/a
Size	n/a
Format	raster (ascii)
URL	n/a

Dataset: Tree mask

Owner. City of Linz, extended

Note: remote sensing data

ID	tree-mask
Version	1.0
Organisation	DC3 - Austria

Category	Non-Open Data used by CLARITY
Author	City of Linz
Author E-Mail	n/a
Maintainer	City of Linz
Maintainer E-Mail	n/a
License	License not specified
Meta-Data created	2019-01-21T12:31:01.442209
Meta-Data modified	2020-04-30T09:12:09.436035
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/tree-mask
Source URL	AIT, unsuperised classification
Keywords	CLARITY;DC3;WP2;input-data
Area Coverage	Linz + surrounding
Data availability	n/a
Date of Survey	2014
Input for	MUKLIMO_3, Envimet
Resolution/Scale	polygons
Type	forest and tree distribution
Use within modelling workflow	Expert study HC-urban climate, Microclimate, IAO/AAO

Resource: forest and tree distribution

Created	2019-01-21T12:34:25.328363
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	http://cities.ait.ac.at/geoserver/clarity/wms?service=WMS&version=1.1.0&request=GetMap&layers=clarity:tree_msk&styles=&bbox=4628900.0,2796894.75,4649100.5,2818105.25&width=731&height=768&srs=EPSG:3035&format=application/openlayers

Dataset: Relative humidity (% , daily mean)

Metereological information related to Naples Metropolitan area

ID	relative-humidity-daily-mean
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY
Author	TuTiempo.net
Author E-Mail	n/a
Maintainer	Stefano Nardone

Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-29T13:18:58.557161
Meta-Data modified	2020-04-08T10:41:38.790295
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/relative-humidity-daily-mean
Source URL	https://en.tutempo.net/climate/ws-162890.html
Keywords	CLARITY;Climate data;DC1;WP2;input-data
Area Coverage	Naples Metropolitan City
Data availability	available
Date of survey	1971-2017
Input for	MUKLIMO_3
Resolution/scale	Naples Metropolitan City
Type	Meteorological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Relative humidity

Metereological information related to Naples Metropolitan area (% , daily mean)

Created	2018-11-29T13:19:34.973429
Last modified	n/a
Size	n/a
Format	CSV
URL	sftp://clarityftp@5.79.69.49/clarityftp/dc1-naples/climate_information/climate_projections/metereological_data/meteo_time_series.csv

Dataset: Land Use (Municipality of Naples) (Baseline)

Detailed Land use of the Municipality of Naples

ID	land-use-municipality-of-naples
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY
Author	Naples Municipality
Author E-Mail	francesca.pignataro@comune.napoli.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-28T14:18:10.350651
Meta-Data modified	2020-04-08T10:40:09.700096

Meta-Data URL	https://ckan.myclimateservice.eu/dataset/land-use-municipality-of-naples
Source URL	n/a
Keywords	CLARITY;DC1;Land use;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	1997
Input for	MUKLIMO_3 Clarity PF Simplified Model
Resolution/scale	polygon
Type	Land use and building functions data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Land Use (Municipality of Naples)

Detailed land use of the Municipality of Naples

Created	2018-11-28T14:19:20.077815
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Temperature (°C, annual average, minimum, maximum)

Metereological information related to Naples Metropolitan area

ID	temperature-c-annual-average-minimum-maximum
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY
Author	TuTiempo.net
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-29T13:13:19.929284
Meta-Data modified	2020-04-08T10:38:43.885497
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/temperature-c-annual-average-minimum-maximum
Source URL	https://en.tutiempo.net/climate/ws-162890.html
Keywords	CLARITY;Climate data;DC1;WP2;input-data
Area Coverage	Naples Metropolitan City
Data availability	available

Date of survey	1971-2017
Input for	MUKLIMO_3
Resolution/scale	Naples Metropolitan City
Type	Meteorological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Temperature

Metereological information related to Naples Metropolitan area

Created	2018-11-29T13:14:46.758882
Last modified	n/a
Size	n/a
Format	CSV
URL	sftp://clarityftp@5.79.69.49/clarityftp/dc1-naples/climate_information/climate_projections/metereological_data/meteo_time_series.csv

Dataset: Precipitation

Precipitation (mm, annual average, number of days with rain, number of days with hail, number of days with snow, number of days with storm and number of days with tornado)

ID	precipitation-baseline
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY
Author	TuTiempo.net
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-12-04T12:18:03.814634
Meta-Data modified	2020-04-08T10:32:14.862205
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/precipitation-baseline
Source URL	https://en.tutiempo.net/climate/ws-162890.html
Keywords	CLARITY;Climate data;DC1;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	1971-2017
Input for	Clarity PF Simplified Model, Climate analysis (ZAMG)
Resolution/scale	Naples Metropolitan City
Type	Meteorological data

Use within modeling workflow HC-Regional expert study, HC-Microclimate

Resource: Precipitation

Precipitation (mm, annual average, number of days with rain, number of days with hail, number of days with snow, number of days with storm and number of days with tornado)

Created 2018-12-04T12:18:44.500595
Last modified n/a
Size n/a
Format CSV
URL sftp://clarityftp@5.79.69.49/clarityftp/dc1-naples/climate_information/climate_projections/metereological_data/meteo_tim
 eseries.csv

Dataset: Climate Indices for long-term climate periods

Mean annual number of summer days, hot days, tropical nights

ID climate-indices-for-long-term-climate-periods
Version 1.0
Organisation DC1 - Italy
Category Non-Open Data used by CLARITY
Author Astrid Kainz
Author E-Mail astrid.kainz@zamg.ac.at
Maintainer Astrid Kainz
Maintainer E-Mail astrid.kainz@zamg.ac.at
License Other (Not Open)
Meta-Data created 2019-01-23T16:15:33.053191
Meta-Data modified 2020-04-08T10:29:12.684871
Meta-Data URL <https://ckan.myclimateservice.eu/dataset/climate-indices-for-long-term-climate-periods>
Source URL n/a
Keywords CLARITY;DC1;WP2;input-data
Area Coverage Metropolitan / various sub-domains within Naples Municipality
Data availability Example is available
Date of Survey historical and future 30-year climate periods
Input for PLINIVS HW Vulnerability model
Resolution/Scale 250 m / 20 m
Use within modelling workflow expert study HC-Microclimate

Resource: Climate Indices for long-term climate periods

Mean annual number of summer days, hot days, tropical nights

Created 2019-01-23T16:16:11.302401
Last modified n/a

Size n/a
 Format NetCDF
 URL n/a

Dataset: TemperatureDC1 (°C, daily average, minimum, maximum)

Owner: TuTiempo.net

ID temperaturredc1
 Version 1.0
 Organisation DC1 - Italy
 Category Non-Open Data used by CLARITY
 Author Alessandra Capolupo
 Author E-Mail alessandra.capolupo@unina.it
 Maintainer Stefano Nardone
 Maintainer E-Mail s.nardone@plinivs.it
 License Other (Not Open)
 Meta-Data created 2019-01-24T13:47:40.864829
 Meta-Data modified 2020-04-08T10:27:15.466960
 Meta-Data URL <https://ckan.myclimateservice.eu/dataset/temperaturredc1>
 Source URL <https://en.tutempo.net/climate/ws-162890.html>
 Keywords CLARITY;DC1;WP2;input-data
 Area Coverage Naples Metropolitan City
 Data availability available
 Date of Survey 1971-2017
 Input for MUKLIMO_3 – cuboid method, model validation
 Resolution/Scale Naples Metropolitan City
 Type Meteorological data
 Use within modelling workflow HC-Regional expert study, HC-Microclimate

Resource: TemperatureDC1 (°C, daily average, minimum, maximum)

Owner: TuTiempo.net

Created 2019-01-24T13:48:24.263415
 Last modified n/a
 Size n/a
 Format CSV
 URL n/a

Dataset: Wind speed (m/s, annual average)

Meteorological information related to Naples Metropolitan area

Owner: TuTiempo.net

ID	wind-speed-m-s-annual-average
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY
Author	TuTiempo.net
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-11-29T13:16:37.843482
Meta-Data modified	2020-04-08T10:25:26.687059
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/wind-speed-m-s-annual-average
Source URL	https://en.tutiempo.net/climate/ws-162890.html
Keywords	CLARITY;Climate data;DC1;WP2;input-data
Area Coverage	Naples Metropolitan City
Data availability	available
Date of survey	1971-2017
Input for	MUKLIMO_3
Resolution/scale	Naples Metropolitan City
Type	Meteorological data
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Wind

Metereological information related to Naples Metropolitan area Owner: TuTiempo.net

Created	2018-11-29T13:17:19.750294
Last modified	n/a
Size	n/a
Format	CSV
URL	sftp://clarityftp@5.79.69.49/clarityftp/dc1-naples/climate_information/climate_projections/metereological_data/meteeo_tim eseries.csv

Dataset: Pleiades images

Satellite images related to Nales Municipality

Owner: PLINIVS

ID	pleiades-images
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY

Author	Airbus Intelligence
Author E-Mail	n/a
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2018-12-04T12:27:07.960941
Meta-Data modified	2020-04-07T14:27:45.127591
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/pleiades-images
Source URL	https://www.intelligence-airbusds.com/en/8692-pleiades
Keywords	CLARITY;DC1;WP2;input-data
Area Coverage	Naples Municipality
Data availability	available
Date of survey	2016
Input for	MUKLIMO_3
Resolution/scale	1 m
Type	Satellite images
Use within modeling workflow	HC-Regional expert study, HC-Microclimate

Resource: Pleiades satellite images

Satellite images related to Nales Municipality Owner: PLINIVS

Created	2018-12-04T12:27:35.387603
Last modified	n/a
Size	n/a
Format	geotiff
URL	n/a

Dataset: Land Use (j)

Land use

ID	land-use-j
Version	1.0
Organisation	DC1 - Italy
Category	Non-Open Data used by CLARITY
Author	Naples Municipality
Author E-Mail	francesca.pignataro@comune.napoli.it
Maintainer	Stefano Nardone
Maintainer E-Mail	s.nardone@plinivs.it
License	Other (Not Open)
Meta-Data created	2019-01-24T14:54:13.030346

Meta-Data modified	2020-04-07T10:07:21.207168
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/land-use-j
Source URL	n/a
Keywords	CLARITY;DC1;Land use;WP2;input-data
Area Coverage	Naples Municipality
Date of Survey	1997
Input for	MUKLIMO_3 Clarity PF Simplified Model
Resolution/Scale	polygons
Type	Land use and building functions data
Use within modelling workflow	HC-Regional expert study, HC-Microclimate

Resource: Land Use (j)

Land use (j)

Created	2019-01-24T14:57:43.534141
Last modified	n/a
Size	n/a
Format	vector (.shp)
URL	n/a

Dataset: Local datasets for Sweden used as input for studies

A number of local datasets for sweden needed for expert studies. These datasets are restricted for use in the special expert study and not open. Data used in the project are mainly from Jönköping County board and municipality. Examples of data are detailed maps of the infrastructure of the city and future plans. There is also data describing detailed elevation and effects of a cloud burst as well as different types of buildings and activities such as schools and hospitals.

Owner: Swedish municipalities and consultancy companies.

ID	local-datasets-for-sweden
Version	1.0
Organisation	DC2 - Sweden
Category	Non-Open Data used by CLARITY
Author	Lena Strömbäck
Author E-Mail	lena.stromback@smhi.se
Maintainer	Lena Strömbäck
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2018-12-05T14:42:27.323868
Meta-Data modified	2020-04-03T15:11:37.113462
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/local-datasets-for-sweden

Source URL	N/A
Keywords	CLARITY;DC2;WP3;input-data
Area Coverage	Stockholm/Jönköping
Date of Survey	Varying
Input for	Expert studies in DC2, for instance models HARMONIE, MIKE and HYPE
Resolution/Scale	Varying
Use within modeling workflow	expert study

Resource: Local conditions in Jönköping county

Data used by Jönköping about local properties and future plans.

Created	2020-04-03T15:10:39.022063
Last modified	n/a
Size	n/a
Format	Maps
URL	n/a

Resource: Local conditions in Stockholm

Local data and future plans for Stockholm city

Created	2020-04-03T15:11:37.136344
Last modified	n/a
Size	n/a
Format	maps
URL	n/a

Dataset: Mid term meteorological forecasting, GEFS

Ensemble prediction
Statistical Downscaling
owner: NOAA

ID	mid-term-meteorological-forecasting-ecmwf
Version	1.0
Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T11:40:47.609531
Meta-Data modified	2020-02-25T12:44:38.911486

Meta-Data URL	https://ckan.myclimateservice.eu/dataset/mid-term-meteorological-forecasting-ecmwf
Source URL	https://nomads.ncep.noaa.gov/cgi-bin/filter_gens_0p50.pl?
Keywords	CLARITY;DC4;WP2;input-data
Area Coverage	Worldwide
Resolution/Scale	6h / 0.50 degree
Type	Ensemble prediction
Use within modelling workflow	Statistical Downscaling

Resource: GFS Ensemble Forecasts

GFS Ensemble Forecasts

Downloads the appropriate Date + file + ensemble + horizon:

gepNN.tCCz.pgrb2a.0p50.fXXX

gepNN.tCCz.pgrb2b.0p50.fXXX

Created	2019-01-16T11:41:03.379776
Last modified	n/a
Size	n/a
Format	grib2
URL	https://nomads.ncep.noaa.gov/cgi-bin/filter_gens_0p50.pl?

Dataset: Spanish forest fuel model

source: Geoserver

Owner : MAPAMA

ID	spanish-forest-fuel-model
Version	1.0
Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	MITECO
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2019-01-16T11:23:03.084563
Meta-Data modified	2020-02-24T12:50:14.810992
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/spanish-forest-fuel-model
Source	URL https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=spain%3AMC_FUELS_DC4_RASTER_ETRS89_UTM30&bbox=469003.6367280097%2C4485491.058855007%2C571878.6367280097%2C4564666.058

855007&width=768&height=591&srs=EPSG%3A25830&format=application/openlayers

Keywords	CLARITY;DC4;WP2;forest fires
Area Coverage	First road stretch of the spanish pilot
Data availability	Existing data
Date of Survey	2012
Resolution/Scale	25m
Type	vegetation data
Use within modeling workflow	Hazard Assessment
Used as input for	fire forest
license	restringed

Resource: MC_FUELS_DC4_RASTER_ETRS89_UTM30

Created	2019-01-16T11:23:16.032856
Last modified	n/a
Size	n/a
Format	geotiff
URL	https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=spain%3AMC_FUELS_DC4_RASTER_ETRS89_UTM30&bbox=469003.6367280097%2C4485491.058855007%2C571878.6367280097%2C4564666.058855007&width=768&height=591&srs=EPSG%3A25830&format=application/openlayers

Dataset: Detailed highway design

Responsible party

Meteogrid is responsible for collecting data. Atos and Meteogrid are responsible for storing the data

Responsible Party (CLARITY): METEOGRID

Responsible Person (CLARITY): Luis Torres Michelena

WPs: WP2

Data provenance

Spanish Geographic Institute

External Datasets: Spanish National Center of Cartographic Downloads

Intended use

Spanish transport networks vector layers are going to be used in identify vulnerable elements; in the Spanish user case

Building Blocks: Catalogue of Elements at Risk and Adaptation Options, Map Component

Data description

These dates are vector layers with all kinds of road and railways

Parameter information: Shapefile data (lines, points, and polygons)

Coverage: Spain national territory (Balears and Canary island too)

Resolution: E 1:10000

CRS: ETRS89. Longitude and latitude coordinates

Storage: format: shp, expected size: 635 kb

Metadata: ISO 19115 standard

Data management

Availability: existing data

Owner: Spanish Geographic Institute

Open Access: yes

Access conditions: all uses

ID	detailed-highway-design
Version	1.0
Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	Acciona
Author E-Mail	responsabilidadcorporativa@acciona.es
Maintainer	Laura Asensio Martínez
Maintainer E-Mail	laura@meteogrid.com
License	Other (Open)
Meta-Data created	2018-11-28T14:27:20.685410
Meta-Data modified	2020-02-21T11:36:25.738664
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/detailed-highway-design
Source URL	https://clarity.saver.red/mapa_elementos/
Keywords	CLARITY;D7.8;DC4;input-data;road;shp;transport
Area Coverage	First road stretch of the spanish pilot
Data availability	Data will be produced in the CLARITY project

Date of Survey	2012
Description	First section of road of the Spanish pilot at design scale in shp format and in ETRS89 UTM30N. Coming from AutoCad format and provided by Acciona as a DC4 user.
Resolution/Scale	1/300
Type	Road data
Use within modeling workflow	Elements at risk
Used as input for	Impact assessment

Resource: DC4 tramo1A via etrs89

It will be uploaded to: https://clarity.saver.red/mapa_elementos/

Created	2018-11-28T14:28:24.624762
Last modified	n/a
Size	n/a
Format	WMS
URL	https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=spain%3Atramo1A_via_etrs89&bbox=490541.92611359793%2C4501456.984943449%2C509695.2129582021%2C4521272.993385356&width=742&height=768&srs=EPSG%3A25830&format=application/openlayers

Resource: DC4 tramo1B via etrs89

It will be uploaded to: https://clarity.saver.red/mapa_elementos/

Created	2020-02-21T11:35:39.370020
Last modified	n/a
Size	n/a
Format	WMS
URL	https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=spain%3Atramo1B_via_etrs89&bbox=508116.2907611575%2C4520399.529524157%2C531117.4351814532%2C4535593.697505849&width=768&height=507&srs=EPSG%3A25830&format=application/openlayers

Resource: DC4 tramo1C via etrs89

It will be uploaded to: https://clarity.saver.red/mapa_elementos/

Created	2020-02-21T11:36:07.463386
Last modified	n/a
Size	n/a
Format	WMS
URL	https://clarity.meteogrid.com/geoserver/spain/wms?service=WMS&version=1.1.0&request=GetMap&layers=spain%3Atramo1C_via_etrs89&bbox=529523.5

102975853%2C4534532.028264847%2C546806.5432618065%2C4547760.231828
834&width=768&height=587&srs=EPSG%3A25830&format=application/openlaye
rs

Dataset: Meteorological observation data (hourly)

Meteorological data
observations from monitoring stations
Statistical Downscaling(FICLIMA method)
owner: Acciona

ID	meteorological-observation-data-hourly
Version	1.0
Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2019-01-16T10:41:14.623188
Meta-Data modified	2020-01-22T11:33:16.547373
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/meteorological-observation-data-hourly
Source URL	https://clarity.saver.red/mapa_elementos/
Keywords	CLARITY;DC4;Meteorological data;WP2;input-data
Area Coverage	Spanish pilot area
Date of Survey	-
Input for	FICLIMA method
License	Restricted access data for CSIS users
Resolution/Scale	Hourly
Type	Meteorological data
Use within modelling workflow	Statistical Downscaling

Resource:

Created	2019-01-16T10:41:35.060782
Last modified	n/a
Size	n/a
Format	CSV
URL	n/a

Dataset: Vegetation condition on ditches and median strips

owner: acciona

ID	vegetation-condition-on-ditches-and-median-strips
Version	1.0
Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2019-01-18T09:58:16.710451
Meta-Data modified	2019-11-29T10:10:28.267097
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/vegetation-condition-on-ditches-and-median-strips
Source URL	unknown
Keywords	CLARITY;DC4;Vegetation condition;WP2
Area Coverage	Spanish pilot area
Data availability	Data will be produced in the CLARITY project
Date of Survey	unknown
Description	vegetation data on ditches and median strips
License	Restricted access data for CSIS users
Resolution/Scale	unknown
Type	vegetation data
Use within modeling workflow	hazard data
Used as input for	Impact assessment

Resource:

Created	2019-01-18T10:41:53.397931
Last modified	n/a
Size	n/a
Format	las
URL	n/a

Dataset: Spanish Transport Network layers

owner: Instituto Geográfico Nacional -IGN-

ID	spain-transport_network-layers
Version	1.0

Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Open)
Meta-Data created	2019-01-16T12:00:16.914950
Meta-Data modified	2019-11-28T14:11:52.165273
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/spain-transport_network-layers
Source URL	http://servicios.idee.es/wms-inspire/transportes
Keywords	CLARITY;DC4;WP2

Resource: IGN - Transport Layers

Created	2019-01-16T12:00:32.398059
Last modified	n/a
Size	n/a
Format	WMS
URL	http://servicios.idee.es/wms-inspire/transportes?request=GetCapabilities&service=WMS

Dataset: Meteorological observation data (daily)

Meteorological data

Climate observations from monitoring stations

Statistical Downscaling(FICLIMA method)

owner: AEMet

ID	meteorological-observation-data-daily
Version	1.0
Organisation	DC4 - Spain
Category	Non-Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2019-01-16T10:43:20.231810
Meta-Data modified	2019-11-28T11:10:53.740795

Meta-Data URL	https://ckan.myclimateservice.eu/dataset/meteorological-observation-data-daily
Source URL	https://sigym.meteogrid.com/
Keywords	CLARITY;DC4;WP2;input-data
Area Coverage	n/a
Date of Survey	1961-2010
Input for	FICLIMA method
Resolution/Scale	Daily
Type	Meteorological data
Use within modelling workflow	Statistical Downscaling

Resource:

Created	2019-01-16T10:43:29.786628
Last modified	n/a
Size	n/a
Format	CSV
URL	n/a

Dataset: Urban land-use and physiography over Stockholm

Urban physiography over Stockholm, produced in the Urban SIS project.

Owner: SMHI

ID	urban-land-use-and-physiography-over-stockholm
Version	1.0
Organisation	DC2 - Sweden
Category	Non-Open Data used by CLARITY
Author	SMHI
Author E-Mail	n/a
Maintainer	Jorge Amorim
Maintainer E-Mail	jorge.amorim@smhi.se
License	Other (Not Open)
Meta-Data created	2018-12-05T14:06:12.541804
Meta-Data modified	2019-02-08T17:17:21.493553
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/urban-land-use-and-physiography-over-stockholm
Source URL	N/A
Keywords	CLARITY;DC2;WP2;input-data
Area Coverage	Stockholm
Date of Survey	2012

Input for	Expert studies
Resolution/Scale	Approx. 300x300 m2
Type	Urban physiography
Use within modelling workflow	DC2 workflows involving Stockholm

Resource: Urban physiography over Stockholm

Resolution 300x300 m2.

Created	2018-12-05T14:07:31.673908
Last modified	n/a
Size	n/a
Format	raster
URL	n/a

Dataset: European Settlement Map (ESM) 2017

Responsible party

European Commission, Joint Research Centre, Institute for Protection and Security of the Citizen

Responsible Party (CLARITY): ZAMG

Responsible Person (CLARITY): Maja Zuvela-Aloise

WPs: WP3

Data provenance

Existing data from <http://land.copernicus.eu/>

Intended use

Data will be used in WP3

Building Blocks: Catalogue of Data Sources and Simulation Models, High Level Climate Change Risk Assessment Tool, Map Component

Data description

European Settlement Map 2016 (also referred as EUGHSL2016) is raster data that represents the percentage of built-up per spatial unit. Data is based on SPOT5 and SPOT6 satellite imagery.

more information: <http://land.copernicus.eu/pan-european/GHSL/EU%20GHSL%202014>

<https://cws-download.eea.europa.eu/pan-european/related/ESM2016Description.txt>

Parameter information: Name: European Settlement Map (ESM) 2016

Data type: Raster

Coverage: Temporal: 2010-2013

Spatial: Europe

Resolution: Spatial: 10m and 100m

CRS: ETRS89

Storage: Format: Raster, Transfer size: 2.8 GB for ESM-2016 10m and ~450 MB for ESM-2016 100m

Metadata: Link to Metadata: <http://land.copernicus.eu/pan-european/GHSL/EU%20GHSL%202014>

Data management

Availability: existing data

Owner: European Commission

Open Access: yes

Access conditions:

from <http://land.copernicus.eu/pan-european/GHSL/EU%20GHSL%202014> (Conditions applying to access and use):

These data are provided for scientific research purposes only. No other use, including commercial, is authorized. No third party distribution of all, or parts, of the electronic files is authorized. Disclaimer: The JRC follows procedures designed to ensure that data produced and disseminated by JRC are of the best quality possible. However, JRC does not guarantee the accuracy, reliability, or completeness of the data provided. Therefore the JRC provides this data without any warranty of any kind whatsoever, either expressed or implied. JRC shall not be liable for incidental, consequential, or special damages arising out of the use of any data provided by JRC.

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(Meta-) Data Repository

Data Repository Name: Copernicus Land Monitoring Service

Data Repository Access: available for download: <http://land.copernicus.eu/pan-european/GHSL/EU%20GHSL%202014>

registration required

ID european-settlement-map-esm-2017

Version 1.0

Organisation CLARITY

Category	Non-Open Data used by CLARITY
Author	European Commission, Joint Research Centre, Institute for Protection and Security of the Citizen
Author E-Mail	Matina.Halkia@jrc.ec.europa.eu
Maintainer	European Commission, Joint Research Centre, Institute for Protection and Security of the Citizen
Maintainer E-Mail	Matina.Halkia@jrc.ec.europa.eu
License	Other (Non-Commercial)
Meta-Data created	2019-02-04T12:34:50.163969
Meta-Data modified	2019-02-04T12:35:40.167253
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/european-settlement-map-esm-2017
Source URL	n/a
Keywords	D7.8;WP3;input-data

Resource: ESM 2012 - Release 2017

Please find the downloadable files for the European Settlement Map - Release 2017 in the table below. Data exist in 2.5, 10 and 100 meter resolution products. 2.5 and 10 meter data is cut up into 200x200 km tiles, while 100 meter products are served as a complete EEA39 coverage, one for each of the 13 mapped classes. Please visit the map view to find the tile for 2.5 and 10 meters. For 100 meter products, please use the search bar below and type "100m". Detailed information on this product can be found in the following documentation.

Created	2019-02-04T12:35:30.211003
Last modified	n/a
Size	n/a
Format	raster
URL	https://land.copernicus.eu/pan-european/GHSL/european-settlement-map/esm-2012-release-2017-urban-green?tab=download

Dataset: Spanish fire forecast

ID	spanish-fire-forecast
Version	1.0
Organisation	CLARITY
Category	Non-Open Data used by CLARITY
Author	n/a
Author E-Mail	n/a
Maintainer	n/a
Maintainer E-Mail	n/a
License	Other (Not Open)
Meta-Data created	2019-01-18T09:52:05.233945

Meta-Data modified 2019-01-24T10:06:49.796394
Meta-Data URL <https://ckan.myclimateservice.eu/dataset/spanish-fire-forecast>
Source URL n/a
Keywords CLARITY;DC4;WP2;forest fires

Resource:

Created 2019-01-18T09:54:02.786699
Last modified n/a
Size n/a
Format raster(.tif)
URL n/a

Dataset: Fire behaviour

Owner: CLARITY

ID fire-behaviour
Version 1.0
Organisation CLARITY
Category Non-Open Data used by CLARITY
Author n/a
Author E-Mail n/a
Maintainer n/a
Maintainer E-Mail n/a
License Other (Not Open)
Meta-Data created 2019-01-18T09:57:03.804825
Meta-Data modified 2019-01-24T10:04:18.964692
Meta-Data URL <https://ckan.myclimateservice.eu/dataset/fire-behaviour>
Source URL n/a
Keywords CLARITY;DC4;Fire behaviour;WP2

Resource:

Created 2019-01-18T09:57:25.059257
Last modified n/a
Size n/a
Format raster(.tif)
URL n/a

Dataset: Meteorological observational data

Long-term meteorological data (daily mean values) extracted from the monitoring stations Linz Hoersching and Linz Stadt

ID	meteorological-data-linz
Version	1.0
Organisation	DC3 - Austria
Category	Non-Open Data used by CLARITY
Author	ZAMG
Author E-Mail	klima@zamg.ac.at
Maintainer	Astrid Kainz
Maintainer E-Mail	astrid.kainz@zamg.ac.at
License	Other (Not Open)
Meta-Data created	2018-12-04T09:58:20.441016
Meta-Data modified	2018-12-21T09:44:34.605187
Meta-Data URL	https://ckan.myclimateservice.eu/dataset/meteorological-data-linz
Source URL	https://www.zamg.ac.at/cms/en/climate/climate
Keywords	Climate data;DC3;Relative Humidity;input-data
Area coverage	Station data
Data availability	available
Date of Survey	1961-2010
Input for	MUKLIMO_3 - cuboid method
Resolution/scale	daily
Type	Meteorological data
Use within modelling workflow	Expert study, hazard characterisation

Resource: Temperature (°C, daily mean, min, max) - Linz Hoerschling

used as input for the cuboid method (background climate data) and for validation of the urban climate model results

Created	2018-12-04T10:25:10.598324
Last modified	n/a
Size	n/a
Format	table
URL	n/a

Resource: Wind speed (m/s, daily mean) - Linz Hoerschling

used as input for the cuboid method (background climate data) and for validation of the urban climate model results

Created	2018-12-04T10:25:29.697529
Last modified	n/a
Size	n/a
Format	table

URL n/a

Resource: Wind direction (°, 3 daily intervals: 7h, 14h, 21h) - Linz Hoersching

used as input for the cuboid method (background climate data) and for validation of the urban climate model results

Created 2018-12-04T10:25:47.423885

Last modified n/a

Size n/a

Format table

URL n/a

Resource: Relative humidity (% , daily mean) - Linz Hoersching

used as input for the cuboid method (background climate data) and for validation of the urban climate model results

Created 2018-12-04T10:26:02.702669

Last modified n/a

Size n/a

Format table

URL n/a

Resource: Temperature (°C, daily mean, min, max) - Linz Stadt

used for validation of urban climate model results

Created 2018-12-21T09:42:48.984229

Last modified n/a

Size n/a

Format table

URL n/a