Projected number of extreme heatwaves (2068-2100; RCP 8.5; number in 33 years), Jul. 2015

The gridded dataset presents the median of the projected number of extreme heatwaves in the future (2068–2100) in Europe, following the Representative Concentration Pathways (RCP) 8.5 scenario. The dataset is one of the multimodel ensemble used to project future occurrence and severity of heat waves under different RCP, which were adopted by the Intergovernmental Panel on Climate Change for its Fifth Assessment Report (AR5).

The dataset is one of the output of the JRC "Number of heat waves" data described here: https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1002/2014JD022098

The dataset has been used as a source for the EEA indicator "Global and European temperature": https://www.eea.europa.eu/data-and-maps/indicators/global-and-european-temperature-8 /assessment, which in the meantime has been updated .

Simple

Date (Creation)	2015-06-23T00:00:00
Date (Publication)	2015-07-13T00:00:00
Edition	01.00
Citation identifier	jrc_r_4326_112_arcmin_extreme-heatwaves_p_2068-2100_v01_r00

Point of contact

No information provided.

Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	- Atmospheric conditions - Meteorological geographical features
Keywords	
Keywords	
GEMET	- temperature - climate change adaptation - climate - temperature change - climate change impact
Continents, countries, sea regions of the world.	Europe
Spatial scope	European
EEA topics	Climate adaptation

Resource constraints

No information provided.

Access constraints	Other restrictions
Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	

This dataset is derived from the "Number of heat waves" dataset, provided by the European Commission's Joint Research Centre (JRC), so for its further re-use the latest JRC Open Data Policy applies: https://publications.jrc.ec.europa.eu/repository/bitstream/JRC115832/kjna27163enn.pdf.

As a data processed and disseminated by the EEA, it falls also under the EEA standard re-use policy: unless otherwise indicated, re-use of content on the EEA website for commercial or non-commercial purposes is permitted free of charge, provided that the source is acknowledged (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA). More inforrmation about EEA data policy: https://www.eea.europa.eu/legal/eea-data-policy.

Spatial representation type	Grid
Distance	1.865 deg
Distance	112 arcmin
Language of dataset	English
Topic category	- Environment - Climatology, meteorology, atmosphere
Begin date	2068-01-01
End date	2100-12-31

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Coordinate reference system identifier	EPSG:4326
Distribution format	• GeoTIFF ( )

OnLine resource	Protocol	Linkage	Name
	EEA:FILEPATH	https://sdi.eea.europa.eu/webdav/datastore/public/jrc_r_4326_112_arcmin_extreme-heatwaves_p_2068-2100_v01_r00/ProjectedHeatwaves2068.tif	
	WWW:LINK-1.0-http--link	https://climate-adapt.eea.europa.eu/en/knowledge/tools/urban-adaptation	
	WWW:URL	https://sdi.eea.europa.eu/data/a18bcf0e-14bc-43fc-adaf-8fd4f72efbd0	Direct download
	OGC:WMS	https://climate.discomap.eea.europa.eu/arcgis/services/UAMV/ProjectedHeatwaves2068_2100/MapServer/WMSServer?request=GetCapabilities&service=WMS	
	ESRI:REST	https://climate.discomap.eea.europa.eu/arcgis/rest/services/UAMV/ProjectedHeatwaves2068_2100/MapServer	

Hierarchy level	Dataset

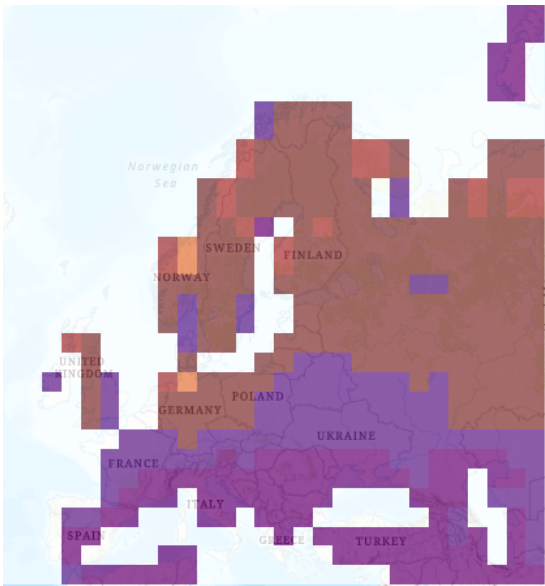## Conformance result

Title	Commission Regulation (EU) No 1089/2010 of 23 November 2010 implementing Directive 2007/2/EC of the European Parliament and of the Council as regards interoperability of spatial data sets and services
Date (Publication)	2010-12-08
Explanation	See the referenced specification
Statement	Details about this dataset multimodel ensemble are available in: https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2014JD022098 . The Representative Concentration Pathways (RCP) 8.5 is described by Taylor et al. (An overview of CMIP5 and the experiment design, 2012. Bull. Am. Meteorol. Soc., 93, 485–498) as corresponding to the rising radiative forcing reaching a level of about 8,5 W/m² by the end of the 21st century.

Metadata

File identifier	a18bcf0e-14bc-43fc-adaf-8fd4f72efbd0 XML
Metadata language	English
Character set	UTF8

Hierarchy level	Dataset
Date stamp	2021-10-22T13:22:15.28Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0

Metadata author					
	Organisation name	**Individual name**	**Electronic mail address**	**Website**	**Role**
	European Environment Agency		sdi@eea.europa.eu		Point of contact

Overviews

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