

Projected changes in heavy precipitation in winter (from 1971-2000 to 2071-2100; RCP 8.5; in percentage), Sep. 2014

This gridded dataset presents the projected changes (in percentage) in heavy precipitation in winter season (December, January, February) in Europe, from 1971-2000 to 2071-2100 for the Representative Concentration Pathways (RCP) 8.5 scenario, based on the ensemble mean of different Regional Climate Models (RCMs) nested in different General Circulation Models (GCMs).

This dataset is an output of the EURO-CORDEX data, produced in the context of the EURO-CORDEX initiative. EURO-CORDEX is the European branch of the CORDEX initiative, producing 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). More information about this initiative on: <https://www.euro-cordex.net/060374/index.php.en>.

The dataset has been used in the EEA Indicator "Heavy precipitation in Europe": <https://www.eea.europa.eu/data-and-maps/indicators/precipitation-extremes-in-europe-3/assessment>, which in the meantime has been updated.

Simple

Date (Creation)	2014-08-12T00:00:00
Date (Publication)	2014-09-12T00:00:00
Edition	01.00
Citation identifier	eea_r_4258_7_arcmin_heavy-precip-winter_p_1971-2100_v01_r00

Point of contact

No information provided.

Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Meteorological geographical features Atmospheric conditions
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> climate change impact climate change adaptation climate atmospheric precipitation
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> Europe
Spatial scope	<ul style="list-style-type: none"> European
EEA topics	<ul style="list-style-type: none"> Climate adaptation

Resource constraints

No information provided.

Access constraints	Other restrictions
--------------------	--------------------

Other constraints	no limitations to public access
Use constraints	Other restrictions
Other constraints	<p>This dataset falls under the EURO-CORDEX terms of use: http://is-enes-data.github.io/cordex_terms_of_use.pdf (CORDEX model output for non-commercial research and educational purposes only)</p> <p>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 information about EEA data policy: https://www.eea.europa.eu/legal/eea-data-policy.</p> <p>The copyright statement should therefore acknowledge the data sources: EURO-CORDEX within the CORDEX Initiative, as well as the EEA Copyright Notice (https://www.eea.europa.eu/legal/copyright).</p>
Spatial representation type	Grid
Distance	7 arcmin
Distance	0.11 deg
Language of dataset	English
Topic category	<ul style="list-style-type: none"> • Environment • Climatology, meteorology, atmosphere
Begin date	1971-01-01
End date	2100-12-31

	N		S		E		W
--	---	--	---	--	---	--	---



CRS identifier	EPSG:4258
Distribution format	<ul style="list-style-type: none"> GeoTIFF ()

OnLine resource

No information provided.

Hierarchy level	Dataset
-----------------	---------

Conformance result

Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	<p>The projected changes in heavy precipitation (in percentage) in winter (December, January, February) have been calculated from EURO-CORDEX data: "Climate change projections for Europe based on an ensemble of regional climate model simulations provided by the EURO-CORDEX initiative" for the RCP8.5 Scenario.</p> <p>The CORDEX regional climate model (RCM) simulations for the European domain (EURO-CORDEX) are conducted at two different spatial resolutions, the general CORDEX resolution of 0.44 degree (EUR-44, ~50 km) and additionally the finer resolution of 0.11 degree (EUR-11, ~12.5km), the latter being the one used in this dataset. Further information is available at: https://www.euro-cordex.net/060378/index.php.en.</p> <p>The Representative Concentration Pathways (RCP) scenarios, as described by Moss et al. (2008 "Towards New Scenarios for Analysis of Emissions, Climate Change Impacts, and Response Strategies". Technical Summary. Intergovernmental Panel on Climate Change, Geneva, 25 pp), are the most recent, developed for the last IPCC Assessment Report (AR5) using integrated assessment modelling, climate modelling and impact modelling.</p>
-----------	--

Metadata

File identifier	cac4f0b3-34f5-41f8-bac1-7e71eb9c26f5 XML
Metadata language	English
Character set	UTF8
Hierarchy level	Dataset
Date stamp	2021-09-02T12:11:09.958Z
Metadata standard name	ISO 19115/19139
Metadata standard version	1.0
Metadata author	Electronic

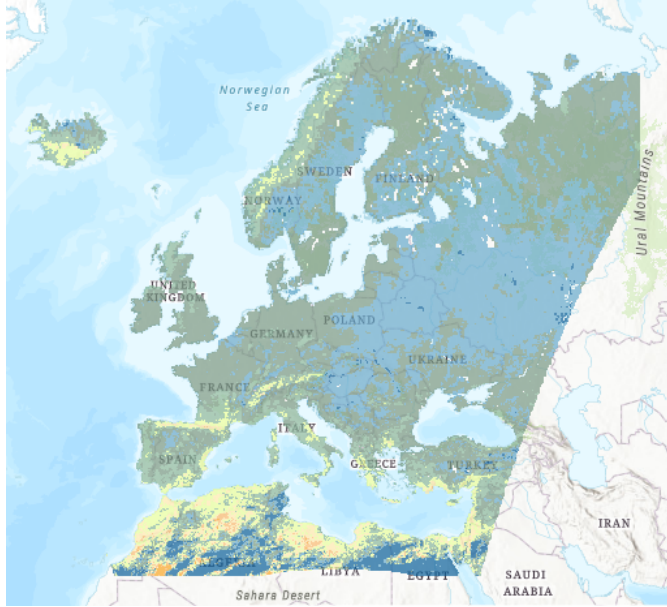
Organisation name

European Environment Agency

Individual name

mail address	Role
sdi@eea.europa.eu	Point of contact

Overviews



Provided by

