



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

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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 featuresAtmospheric conditions
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none">climate change impactclimate change adaptationclimateatmospheric 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

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)

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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>).

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

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Coordinate reference system identifier	EPSG:4258		
Distribution format	<ul style="list-style-type: none"> GeoTIFF () 		
OnLine resource	Protocol EEA:FOLDERPATH WWW:LINK-1.0-http--link WWW:URL OGC:WMS ESRI:REST	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_r_4258_7_arcmin_heavy-precip-winter_p_1971-2100_v01_r00/ https://climate-adapt.eea.europa.eu/en/knowledge/tools/urban-adaptation https://sdi.eea.europa.eu/data/cac4f0b3-34f5-41f8-bac1-7e71eb9c26f5 https://climate.discomap.eea.europa.eu/arcgis/services/UAMV/ProjectedHeavyPrecipitationWinter_Final/MapServer/WMSServer?request=GetCapabilities&service=WMS https://climate.discomap.eea.europa.eu/arcgis/rest/services/UAMV/ProjectedHeavyPrecipitationWinter_Final/MapServer	Name ProjectedHeavyPrecipitationWinter_TIF Direct download
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

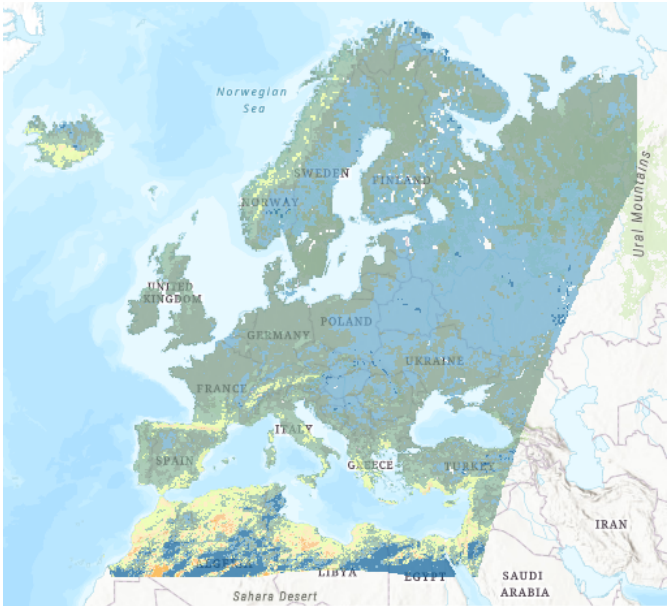
Statement	<p>The projected changes in heavy precipitation (in percentage) in winter (December, January, February) have been calculated from EURO-CORDEX data: "Climate change projections for Europe based on an ensemble of regional climate model simulations provided by the EURO-CORDEX initiative" for the 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>
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Metadata

File identifier	cac4f0b3-34f5-41f8-bac1-7e71eb9c26f5 XML
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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	Organisation name	Individual name	Electronic mail addressWebsite Role
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Overviews



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