

Change in the frequency of flooding events under projected sea level rise (RCP 4.5; change between 2010 and 2100; multiplication factor), Dec. 2016

This dataset presents the estimated multiplication factor by which the frequency of flooding events of a given height in European tide gauges will change between 2010 and 2100, due to projected regional sea relative level rise under the Representative Concentration Pathways (RCP) 4.5 scenario. Values larger than 1 indicate an increase in flooding frequency. This dataset is derived from the Figure 13.25(b) of the Working Group I contribution to the IPCC Fifth Assessment Report (http://www.climatechange2013.org/images/report/WG1AR5_ALL_FINAL.pdf).

This dataset also contributes to an earlier version of the EEA Indicator "Global and European sea-level": <https://www.eea.europa.eu/data-and-maps/indicators/sea-level-rise-5/assessment> .

Simple

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Point of contact

No information provided.

Maintenance and update frequency	Not planned
GEMET - INSPIRE themes, version 1.0	• Natural risk zones
Keywords	
Keywords	
GEMET	• climate change impact • sea level rise • sea level • coast • coastal flooding • flooding • climate change adaptation • climate
Continents, countries, sea regions of the world.	• Switzerland • EU28 (2013-2020) • Iceland • Norway
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	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. Copyright statement should acknowledge the data sources: Intergovernmental Panel on Climate Change (IPCC), Antarctic Climate & Ecosystems Cooperative Research Centre, as well as the EEA Copyright Notice (https://www.eea.europa.eu/legal/copyright).
Spatial representation type	Vector
Denominator	10000000
Language of dataset	English
Topic category	• Environment • Climatology, meteorology, atmosphere
Begin date	2010-01-01
End date	2100-12-31

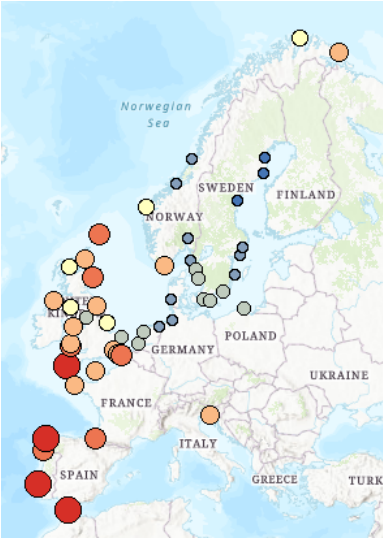
Meteorology, Australia), Norwegian Mapping Authority, Service Hydrographique et Océanographique de la Marine (France), Swedish Meteorological and Hydrological Institute and University of Hawaii Sea Level Centre (USA). Sea-level rise projections are based on the CMIP5 ensemble of global climate models.

More information about the methodology can be found here: <http://dx.doi.org/10.1007/s10584-011-0332-1>, <http://dx.doi.org/10.1016/j.oceaneng.2012.12.04> 1.

Metadata

File identifier	723f0742-727b-45ec-a70d-df6292b7e003 XML			
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Overviews



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