

EEA coastline for analysis (raw) - version 3.0, Mar. 2017

The EEA coastline for analysis is created for highly detailed analysis, e.g. 1:100 000, for geographical Europe. The coastline is a hybrid product obtained from projects using satellite imagery as data source: EUHYDRO (<https://land.copernicus.eu/imagery-in-situ/eu-hydro>) and GSHHG (<http://www.soest.hawaii.edu/pwessel/gshhg/>). The defining criteria was altitude level = 0 from EUDEM (<https://land.copernicus.eu/pan-european/satellite-derived-products/eu-dem/view>). Outside the coverage of the EUDEM, the coastline from GSHHG was used without modifications. A few manual amendments to the dataset were necessary to meet requirements from EU Nature Directives, Water Framework Directive and Marine Strategy Framework Directive. In 2015, several corrections were made in the Kalogeroi Islands (coordinates 38.169, 25.287) and two other Greek little islets (coordinates 36.766264, 23.604318), as well as in the peninsula of Porkkala (around coordinates 59.99, 24.42).

In this revision (v3, 2017), 2 big lagoons have been removed from Baltic region, because, according to HELCOM, are freshwater lagoons.

Simple

Date (Creation)	2017-03-28			
Date (Publication)	2017-03-28			
Edition	3.0			
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Citation identifier	DAT-132-en			
Point of contact	Organisation name	Individual name	Electronic mail address	Role
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Maintenance and update frequency	As needed			
EEA topics	<ul style="list-style-type: none"> Biodiversity 			
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Sea regions 			
Keywords				
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> Europe 			
Keywords	<ul style="list-style-type: none"> coastal area 			

GEMET	<ul style="list-style-type: none"> • coast
EEA Management Plan	<ul style="list-style-type: none"> • 2018 2.6.1
Use limitation	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).
Access constraints	Other restrictions
Other constraints	no limitations to public access
Code	https://land.copernicus.eu/imagery-in-situ/eu-hydro
Association Type	Source
Code	https://land.copernicus.eu/imagery-in-situ/eu-hydro
Association Type	Source
Code	
Association Type	Source
Spatial representation type	Vector
Denominator	100000
Language of dataset	English
Character set	UTF8
Topic category	<ul style="list-style-type: none"> • Oceans • Elevation



Begin date	1995-08-01
End date	2012-12-31
CRS identifier	EPSG:3035
Distribution format	<ul style="list-style-type: none"> • SHP (1.0)

OnLine resource

No information provided.

Hierarchy level	Dataset
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Conformance result

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

Statement	<p>The criteria for defining the coastline is the line separating water from land. The EEA coastline is a product derived from two sources: EUHYDRO (https://land.copernicus.eu/imagery-in-situ/eu-hydro) and GSHHG (http://www.soest.hawaii.edu/pwessel/gshhg/) A priority defined in the input data, first EUHYDRO geometry and, as auxiliary data, GSHHG dataset. The EUHYDRO do not cover the required extension of EEA coastline. The EUHYDRO gaps are in Iceland, Canarias, Madeira, Azores, small islands (not represented in EUDEM) and the northern of Black Sea. For that reason, the GSHHG dataset is an input for the process which allow to populate the EUHYDRO shapefile.</p> <p>The creation process was focused on generate the coastline as line datasets and, later, as secondary product, defining the polygon layer sea-land. Thank reiterative processes based on conversion (from water mask of EUHYDRO to polygon), selection, dissolving and conversion (to line) tools, it was possible to obtain a continuous and homogeneous coastline. The fundamental step into the workflow was the selection of sea features using the water mask polygon (with 255 value into EUHYDRO datasets). The inland water bodies (freshwaters) are rejected by these criteria, except the water bodies connected, at least by one point, to the sea (it is the cases of some transitional water bodies).</p> <p>Two Baltic lagoons have been modified with the data from SVAR geodatabase version 2012_2, Swedish Meteorological and Hydrological Institute (SMHI).</p> <p>The patchwork coastline has been subjected to quality assessment based on evaluate the degree of coverage and topological errors.</p>
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Source	<ul style="list-style-type: none"> • EU-DEM (raster) - version 1.1, Apr. 2016
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Metadata

File identifier	db4cfd3-0687-4460-a2c7-fd10ca29c214 XML
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Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2022-09-06T09:17:48.958Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name	Individual name	Electronic mail address Role
	European Environment Agency		sdi@eea. Point eur of sdi@eea. contact europa.eu

Overviews



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