EEA marine assessment grid, Jan. 2017

This metadata refers to the EEA marine assessment grid, to which all data and assessment results have been spatially mapped in order to ensure that data can be compared in a uniform way across the European regional seas.

The marine assessment grid is based on the EEA reference grid system. The EEA reference grid is based on ERTS89 Lambert Azimuthal Equal Area projection with parameters: latitude of origin 52° N, longitude of origin 10° E, false northing 3 210 000.0 m, false easting 4 321 000.0 m. All grid cells are named with a unique identifier containing information on grid cell size and the distance from origin in meters (easting and northing). An important attribute of the EEA reference grid system is that by using an equal area projection all grid cells are having the same area for the same grid size.

In this marine assessment grid, two grid sizes are used:

* 100 x 100 km in offshore areas (> 20 km from the coastline)

* 20 x 20 km in coastal areas (<= 20 km from the coastline)

The grid sizes were choosen after an evaluation of data availability versus the need for sufficient detail in the resulting assessment. The resulting assessment grid is a combination of two grid sizes using the EEA reference grid system.

The overall area of interest used in the grid is based on the marine regions and subregions under the Marine Strategy Framework Directive (MSFD). Additionally, Norwegian (Barent Sea and Norwegian Sea) and Icelandic waters ('Iceland Sea') have been added (see Surrounding seas of Europe). Note that, within the North East Atlantic region, only the subregions within EEZ boundaries (~200 nm) have been included.

Simple

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Point of contact	**Organisation name**	**Individual name**	**Electronic mail address**	**Website**	**Role**
	European Environment Agency		sdi@eea.europa.eu	http://www.eea.europa.eu	Point of contact
	European Environment Agency		sdi@eea.europa.eu		Custodian
Maintenance and update frequency	Not planned				
GEMET - INSPIRE themes, version 1.0	• Geographical grid systems				
Keywords					
Keywords					
GEMET	• gridding • environmental assessment • marine environment				
Continents, countries, sea regions of the world.	• Northeast Atlantic Ocean (40W) • Black Sea • North Sea				

- Barents Sea

- Celtic Sea

- Bay of Biscay

- English Channel

- Norwegian Sea

- Mediterranean Sea

- Baltic Sea

- Iceland Sea

Spatial scope	- European
[**EEA topics**](#)	- Biodiversity - Water
EEA Management Plan	- 2021 6.4.3
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 (http://www.eea.europa.eu/legal/copyright). Copyright holder: European Environment Agency (EEA).
Spatial representation type	Vector
Distance	20 20 km
Distance	100 100 km
Language of dataset	English
Topic category	- Location - Geoscientific information

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Begin date	2017-01-01
End date	2017-12-31
Coordinate reference system identifier	EPSG:3035
Distribution format	• SHP ( )

OnLine resource	Protocol	Linkage	Name
	EEA:FOLDERPATH	https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_100_km_marine-assessment-grid_p_2017_v01_r00/	
	WWW:URL	https://sdi.eea.europa.eu/data/84d1f816-1913-45b1-94b7-a5721a18296c	Direct download
	ESRI:REST	https://water.discomap.eea.europa.eu/arcgis/rest/services/Marine/HEAT_Eutrophication/MapServer	
	OGC:WMS	https://water.discomap.eea.europa.eu/arcgis/services/Marine/HEAT_Eutrophication/MapServer/WMSServer?request=GetCapabilities&service=WMS	

Hierarchy level	Dataset

Conformance result

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

Statement	The assessment grid is build on the the EEA reference grid system. The EEA reference grid is based on ERTS89 Lambert Azimuthal Equal Area projection with parameters: latitude of origin 52° N, longitude of origin 10° E, false northing 3 210 000.0 m, false easting 4 321 000.0 m. All grid cells are named with a unique identifier containing information on grid cell size and the distance from origin in meters (easting and northing). The method followed the instructions for the EEA fishnet tool described in the EEA GIS guideline available from http://www.eionet.europa.eu/gis .
	The following procedure was carried out when making the assessment grid: the coastal 20 x 20 km grid cells were identified by the distance of their mid point from the coastline (<= 20 km). All the 20 x 20 km grid cells located with the midpoint within 20 km distance from the coastline were included. For the remaining area of interest, the 100 x 100 km grid cells were included. For 100 x100 km grid cells partly covered by 20 x 20 km grid cells only the exclusive non-overlapping part of the 100 x 100 km grid cells were included. For this reason, their areas are smaller than a non-modified 100 x 100 km grid cell. This was done to avoid overlaps in the assessment grid. In coastal areas, grid cells were included if their midpoint was within 20 km from the coast. The resulting combined assessment grid fills the entire area of interest with grid cells without gaps and overlaps.

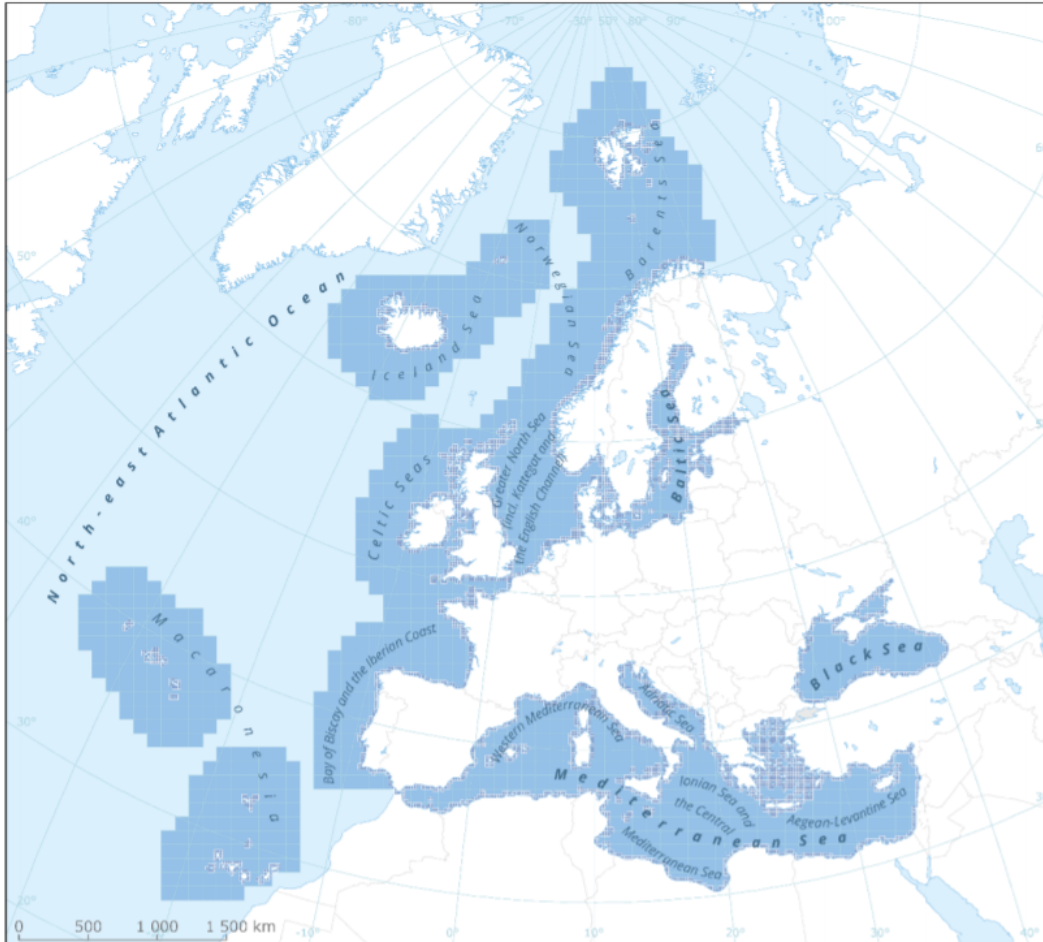More information is provided in the document "Supplementary online material to EEA Report No 25/2018 Contaminants in Europe's seas", available at: https://www.eea.europa.eu/publications/contaminants-in-europes-seas/annex/ .

Source	•

Metadata

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Metadata language	English
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Date stamp	2022-04-21T06:33:30.171Z
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