

Assessment of eutrophication status in European seas using HEAT+, May 2019

The dataset presents the results of classification of eutrophication status of the European seas using the HEAT+ tool. Eutrophication status is evaluated in five classes, where NPAhigh and NPAgood are recognised as 'non-problem areas' and PAmoderate, PApoor and PAbad are recognised as 'problem areas'.

Besides the overall Eutrophication status (HEAT+) are the results shown for three aspects of eutrophication:

C1) Nutrient Concentrations

C2) Direct Effects

C3) Indirect Effects

This dataset underpins the findings and cartographic representations published in the report "Nutrient enrichment and eutrophication in Europe's seas" (EEA, 2019): <https://www.eea.europa.eu/publications/nutrient-enrichment-and-eutrophication-in>.

Simple

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Point of contact	<table><thead><tr><th>Organisation name</th><th>Individual name</th><th>Electronic mail address</th><th>Website</th><th>Role</th></tr></thead><tbody><tr><td>European Environment Agency</td><td></td><td>info@eea.europa.eu</td><td>http://www.eea.europa.eu</td><td>Point of contact</td></tr><tr><td>European Environment Agency</td><td></td><td>info@eea.europa.eu</td><td></td><td>Custodian</td></tr></tbody></table>					Organisation name	Individual name	Electronic mail address	Website	Role	European Environment Agency		info@eea.europa.eu	http://www.eea.europa.eu	Point of contact	European Environment Agency		info@eea.europa.eu		Custodian
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Point of contact

No information provided.

Maintenance and update frequency	As needed
GEMET - INSPIRE themes, version 1.0	Oceanographic geographical features
Keywords	
Keywords	
GEMET	- sea water - nutrient balance - contamination - eutrophication - marine environment - environmental quality - nutrient content

	- ecological status - sea
Continents, countries, sea regions of the world.	- Barents Sea - Mediterranean Sea, Western Basin - Iceland Sea - Bay of Biscay - Black Sea - Ionian Sea - Aegean Sea - Norwegian Sea - English Channel - Celtic Sea - Adriatic Sea - Kattegat - Mediterranean Sea - Baltic Sea - Mediterranean Sea, Eastern Basin
Spatial scope	European
EEA Management Plan	2019 1.6.2
EEA topics	- Seas and coasts - Water - Biodiversity
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).
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Association Type	Cross reference
Spatial representation type	Vector
Distance	20 km
Distance	100 km
Language of dataset	English
Topic category	Environment



Begin date	2006-01-01		
End date	2016-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	• SHP ()		
OnLine resource	Protocol EEA:FILEPATH EEA:FILEPATH EEA:FILEPATH EEA:FILEPATH WWW:URL WWW:LINK-1.0-http--link WWW:LINK-1.0-http--link WWW:LINK-1.0-http--link WWW:LINK-1.0-http--link	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_20_km_heat-eutrophication_p_2006-2016_v01_r00/C1-Nutrient-Concentrations/C1.shp https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_20_km_heat-eutrophication_p_2006-2016_v01_r00/C2-Direct-Effects/C2.shp https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_20_km_heat-eutrophication_p_2006-2016_v01_r00/C3-Indirect-effects/C3.shp https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_20_km_heat-eutrophication_p_2006-2016_v01_r00/HEAT-plus/Heat-plus.shp https://sdi.eea.europa.eu/data/7c66cfd5-4246-4b9d-86af-624950aa49d4 https://www.eea.europa.eu/data-and-maps/figures/heat-based-classifications-of-direct https://www.eea.europa.eu/data-and-maps/figures/heat-based-classification-of-nutrient https://www.eea.europa.eu/data-and-maps/figures/heat-based-classifications-of-indirect https://www.eea.europa.eu/data-and-maps/figures/integrated-heat-based-classifications-of	Name C1 Nutrient Concentrations C2 Direct Effects C3 Indirect Effects HEAT+ Overall eutrophication status Direct download EEA website - graphic EEA website - graphic EEA website - graphic EEA website - graphic

	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 WMS
Hierarchy level	Dataset

Conformance result

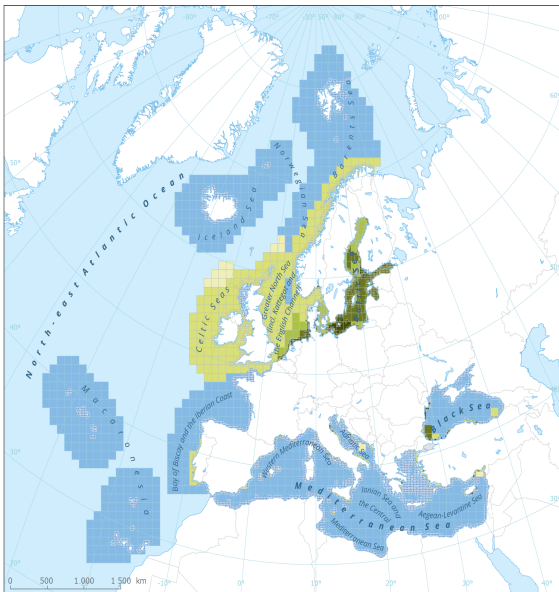
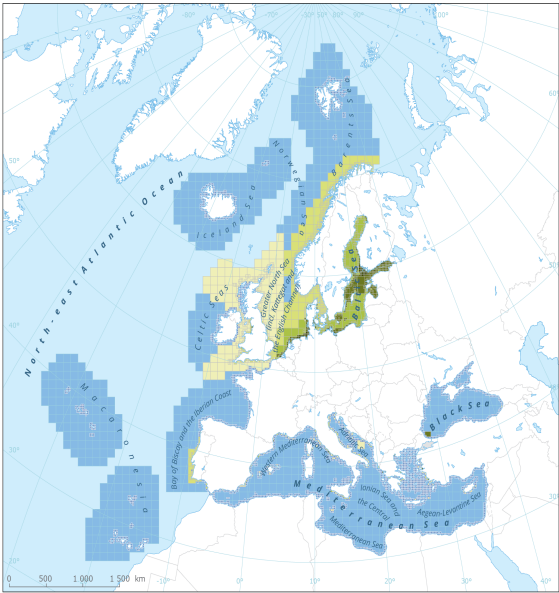
Date (Publication)	2010-12-08
Explanation	See the referenced specification

Statement	Results of classification of Eutrophication Status using the HEAT+ tool. Eutrophication status is evaluated in five classes: NPAhigh and NPAgood are recognised as 'non-problem areas' PAmoderate, PApoor and PAbad are recognised as 'problem areas' The results are shown for 3 aspects of eutrophication: C1) Nutrient Concentrations C2) Direct Effects C3) Indirect Effects All results are summed up in the layer HEAT+) the overall Eutrophication status More information can be found in the report "Contaminants in Europe's seas" and online material on https://www.eea.europa.eu/publications/contaminants-in-europes-seas/ .
Source	• EEA marine assessment grid, Jan. 2017

Metadata

File identifier	7c66cfd5-4246-4b9d-86af-624950aa49d4 XML		
Metadata language	English		
Character set	UTF8		
Hierarchy level	Dataset		
Date stamp	2022-04-07T09:56:45.304Z		
Metadata standard name	ISO 19115/19139		
Metadata standard version	1.0		
Metadata author	Organisation name European Environment Agency	Individual name	Electronic mail address sdi@eea.europa.eu Website Role Point of contact

Overviews



Provided by

