

Assessment of ecosystem health status using MESH+, Apr. 2020

This dataset presents the resulting assessment grid (based on the EEA reference grid) with the classification of ecosystem health of the transitional, coastal and marine waters in the context of the Water Framework Directive (WFD) and the Marine Strategy Framework Directive (MSFD). This classification has been performed using the MESH+ (Marine EcoSystem Health) tool.

The MESH+ tool builds on the EEA assessment tools developed and applied in the context of assessing the degree of contamination (CHASE+), eutrophication (HEAT+) and biodiversity (BEAT+) in Europe's seas (EEA, 2018a, 2019c; Vaughan et al., 2019). MESH+ makes use of the same data sets and threshold values used in these assessments but recombines these in a new framework that addresses 'ecosystem condition'.

The overall area of interest used is based on the marine regions and subregions under the MSFD. Additionally, Norwegian (Barents 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. The spatial resolution of the assessment grid is 20 km x 20 km in coastal areas and 100 km x 100 km in offshore areas.

This dataset underpins the findings and cartographic representations published in the report "Marine Messages II" (EEA, 2020): <https://www.eea.europa.eu/publications/marine-messages-2>

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 http://www.eea.europa.eu Custodian

Point of contact

No information provided.

Maintenance and update frequency	As needed
GEMET - INSPIRE themes, version 1.0	<ul style="list-style-type: none"> Oceanographic geographical features Sea regions
Keywords	
Keywords	
GEMET	<ul style="list-style-type: none"> transitional waters marine ecosystem ocean coastal water sea water ecosystem assessment

	<ul style="list-style-type: none"> • sea • Water Framework Directive
Continents, countries, sea regions of the world.	<ul style="list-style-type: none"> • Iceland Sea • Aegean Sea • English Channel • North Sea • Barents Sea • Norwegian Sea • Kattegat • Adriatic Sea • Black Sea • Bay of Biscay • Baltic Sea • Mediterranean Sea
Spatial scope	<ul style="list-style-type: none"> • European
EEA Management Plan	<ul style="list-style-type: none"> • 2020 1.6.2
EEA topics	<ul style="list-style-type: none"> • Chemicals • Seas and coasts • Water • Biodiversity • Pollution
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).
Aggregate DatasetIdentifier	3feffd63-ab0b-4f03-84e8-b2c324c93bbe
Association Type	Cross reference
Aggregate DatasetIdentifier	7c66cfd5-4246-4b9d-86af-624950aa49d4
Association Type	Cross reference
Aggregate DatasetIdentifier	70064384-f3b7-49ad-b137-bdf31af82158
Association Type	Cross reference
Initiative Type	Collection
Spatial representation type	Vector
Distance	100 100 km

Distance	20 20 km
Language of dataset	English
Topic category	<ul style="list-style-type: none">• Environment• Oceans



Begin date	2006-01-01		
End date	2016-12-31		
Coordinate reference system identifier	EPSG:3035		
Distribution format	<ul style="list-style-type: none"> • SHP (1) 		
OnLine resource	Protocol EEA:FILEPATH WWW:URL OGC:WMS WWW:LINK-1.0-http--link ESRI:REST	Linkage https://sdi.eea.europa.eu/webdav/datastore/public/eea_v_3035_20_km_mesh-ecosystem-health_p_2006-2016_v01_r00/MESH+.shp https://sdi.eea.europa.eu/data/660a7b8e-27c0-4b94-b495-e2d6d98ddd42 https://marine.discomap.eea.europa.eu/arcgis/services/Marine/MESH_ecosystem_health/MapServer/WMSServer?request=GetCapabilities&service=WMS https://www.eea.europa.eu/data-and-maps/figures/provisional-identification-and-mapping-of https://marine.discomap.eea.europa.eu/arcgis/rest/services/Marine/MESH_ecosystem_health/MapServer	Name Direct download EEA website - graphic
Hierarchy level	Dataset		

Conformance result

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

Statement	<p>Results of classification of 'Marine Ecosystem Health' using the MESH+ tool. The Ecosystem Health status is evaluated in five classes:</p> <ul style="list-style-type: none"> - "NPAhigh" and "NPAgood" are recognised as 'non-problem areas' - "PAmoderate", "PApoor" and "PAbad" are recognised as 'problem areas'. <p>The MESH+ tool builds on the EEA assessment tools developed and applied in the context of assessing the degree of contamination (CHASE+), eutrophication (HEAT+) and biodiversity (BEAT+) in Europe's seas (EEA, 2018a, 2019c; Vaughan et al., 2019). MESH+ makes use of the same data sets and threshold values used in these assessments but recombines these in a new framework that addresses 'ecosystem condition'.</p>
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This dataset underpins the findings and cartographic representations published in the report "Marine Messages" (EEA, 2020), available on <https://www.eea.europa.eu/publications/marine-messages-2/> .

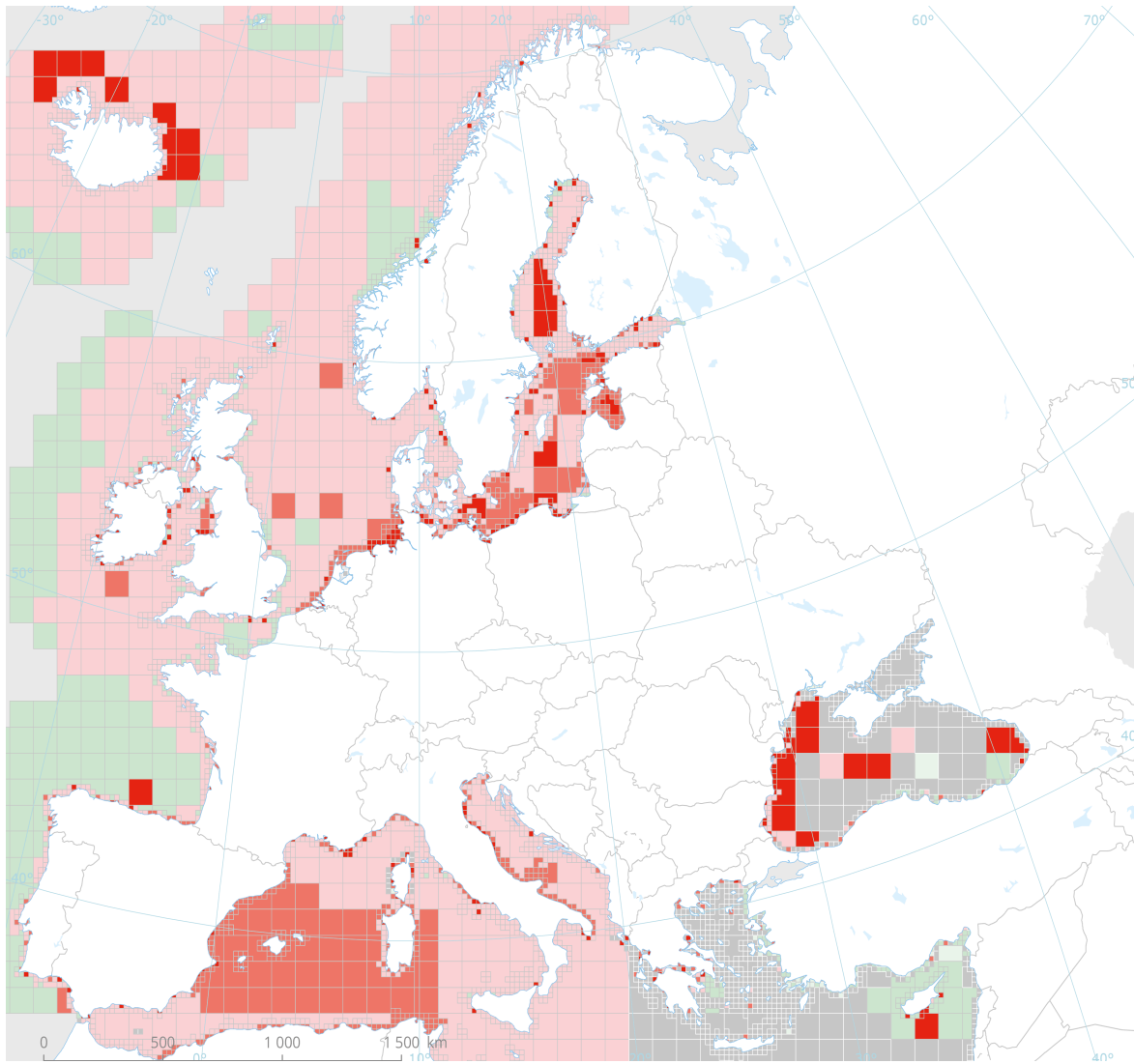
Source

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Metadata

File identifier	660a7b8e-27c0-4b94-b495-e2d6d98ddd42 XML			
Metadata language	English			
Character set	UTF8			
Hierarchy level	Dataset			
Date stamp	2022-05-10T09:58:32.931Z			
Metadata standard name	ISO 19115/19139			
Metadata standard version	1.0			
Metadata author	Organisation name	Individual name	Electronic mail address sdi@eea.europa.eu	Website Role Point of contact

Overviews



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