

## 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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<b>Date (Publication)</b>	2020-05-14		
<b>Edition</b>	01.00		
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	European Environment Agency		sdi@eea.europa.eu <a href="http://www.eea.europa.eu">http://www.eea.europa.eu</a> Custodian

### Point of contact

No information provided.

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

	<ul style="list-style-type: none"> <li>• sea</li> <li>• Water Framework Directive</li> </ul>
<b>Continents, countries, sea regions of the world.</b>	<ul style="list-style-type: none"> <li>• Iceland Sea</li> <li>• Aegean Sea</li> <li>• English Channel</li> <li>• North Sea</li> <li>• Barents Sea</li> <li>• Norwegian Sea</li> <li>• Kattegat</li> <li>• Adriatic Sea</li> <li>• Black Sea</li> <li>• Bay of Biscay</li> <li>• Baltic Sea</li> <li>• Mediterranean Sea</li> </ul>
<b>Spatial scope</b>	<ul style="list-style-type: none"> <li>• European</li> </ul>
<b>EEA Management Plan</b>	<ul style="list-style-type: none"> <li>• 2020 1.6.2</li> </ul>
<b>EEA topics</b>	<ul style="list-style-type: none"> <li>• Chemicals</li> <li>• Seas and coasts</li> <li>• Water</li> <li>• Biodiversity</li> <li>• Pollution</li> </ul>
<b>Access constraints</b>	Other restrictions
<b>Other constraints</b>	<a href="#">no limitations to public access</a>
<b>Use constraints</b>	Other restrictions
<b>Other constraints</b>	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 ( <a href="http://www.eea.europa.eu/legal/copyright">http://www.eea.europa.eu/legal/copyright</a> ). Copyright holder: European Environment Agency (EEA).
<b>Aggregate DatasetIdentifier</b>	3feffd63-ab0b-4f03-84e8-b2c324c93bbe
<b>Association Type</b>	Cross reference
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<b>Association Type</b>	Cross reference
<b>Initiative Type</b>	Collection
<b>Spatial representation type</b>	Vector
<b>Distance</b>	100 100 km

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

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

### Conformance result

<b>Date (Publication)</b>	2010-12-08
<b>Explanation</b>	See the referenced specification

<b>Statement</b>	<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"> <li>- "NPAhigh" and "NPAgood" are recognised as 'non-problem areas'</li> <li>- "PAmoderate", "PApoor" and "PAbad" are recognised as 'problem areas'.</li> </ul> <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/> .

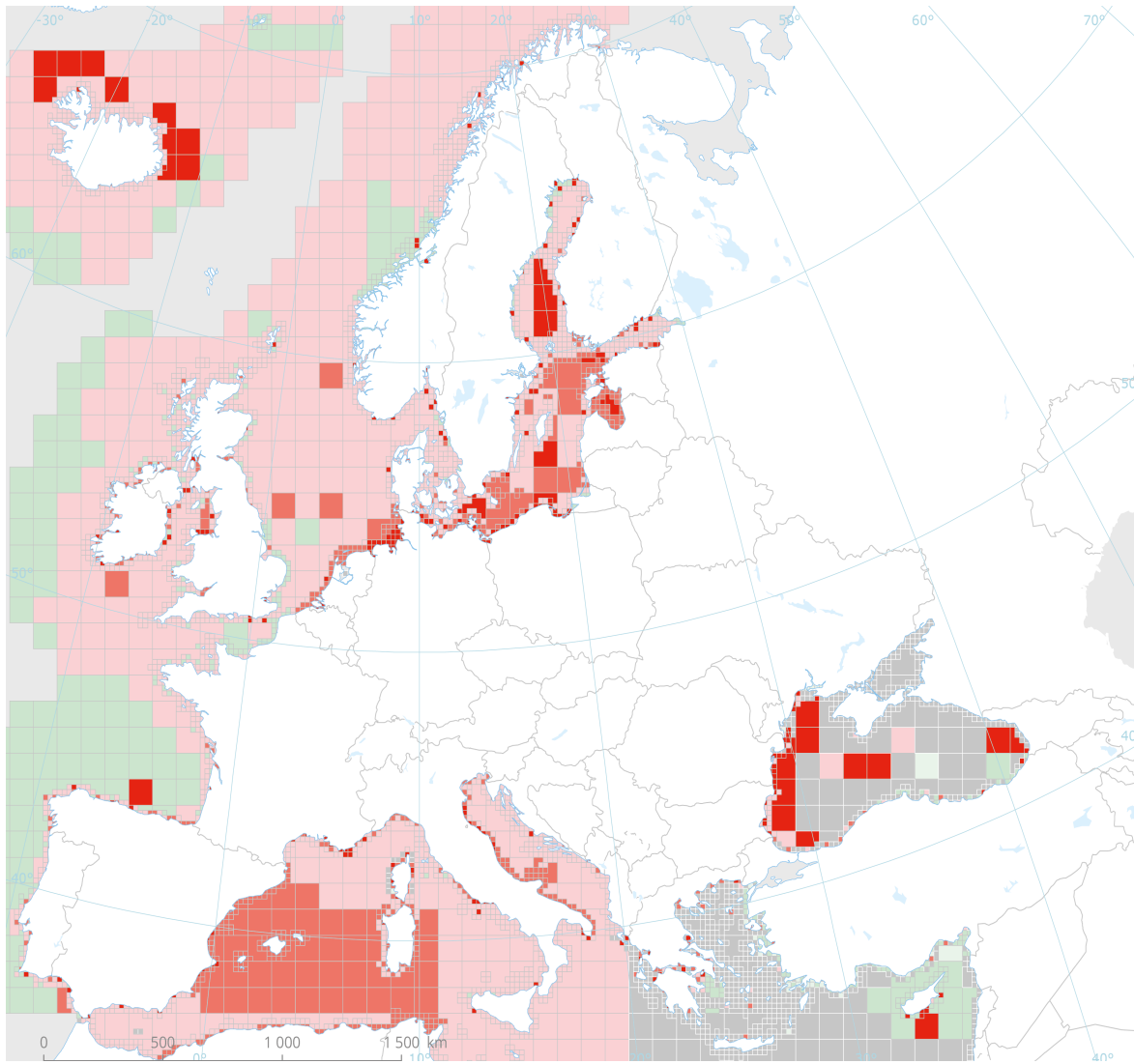
**Source**

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**Metadata**

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<b>Character set</b>	UTF8			
<b>Hierarchy level</b>	Dataset			
<b>Date stamp</b>	2022-05-10T09:58:32.931Z			
<b>Metadata standard name</b>	ISO 19115/19139			
<b>Metadata standard version</b>	1.0			
<b>Metadata author</b>	<b>Organisation name</b>	<b>Individual name</b>	<b>Electronic mail address</b> sdi@eea.europa.eu	<b>Website Role</b> Point of contact

**Overviews**



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