



DATA FOR THE UN OCEAN DECADE

A EUROPEAN FOCUS

**EMODnet Chemistry *in situ* data and data products for
Marine pollution**



PROGRAMME OF THE
EUROPEAN UNION



In collaboration with
the UN OD Data
Coordination Office



Decade
Coordination
Office

What is EMODnet?



EMODnet



European Marine
Observation and
Data Network



European
Commission

Energy, Climate change, Environment

European Marine Observation and Data Network (EMODnet)

About ▼ Data Portals ▼ Data Services ▼ Solutions ▼ News & Events ▼ Atlas of the Seas ▼ EU-China ▼

Search



- EMODnet is a European Commission (EC) **marine data service**, funded by EC DG MARE;
- EMODnet is a European authority and regional best practice in the marine data domain;
- EMODnet is delivered by a **network of > 120 organisations** and experts, working in collaboration with *in situ* (field/survey) ocean observation efforts;
- A key *in situ* marine data pillar for the European Digital Twin Ocean, working in cooperation with Copernicus Marine Service;
- A key contributor to the Global Ocean Data Ecosystem and digital commons.

emodnet.ec.europa.eu

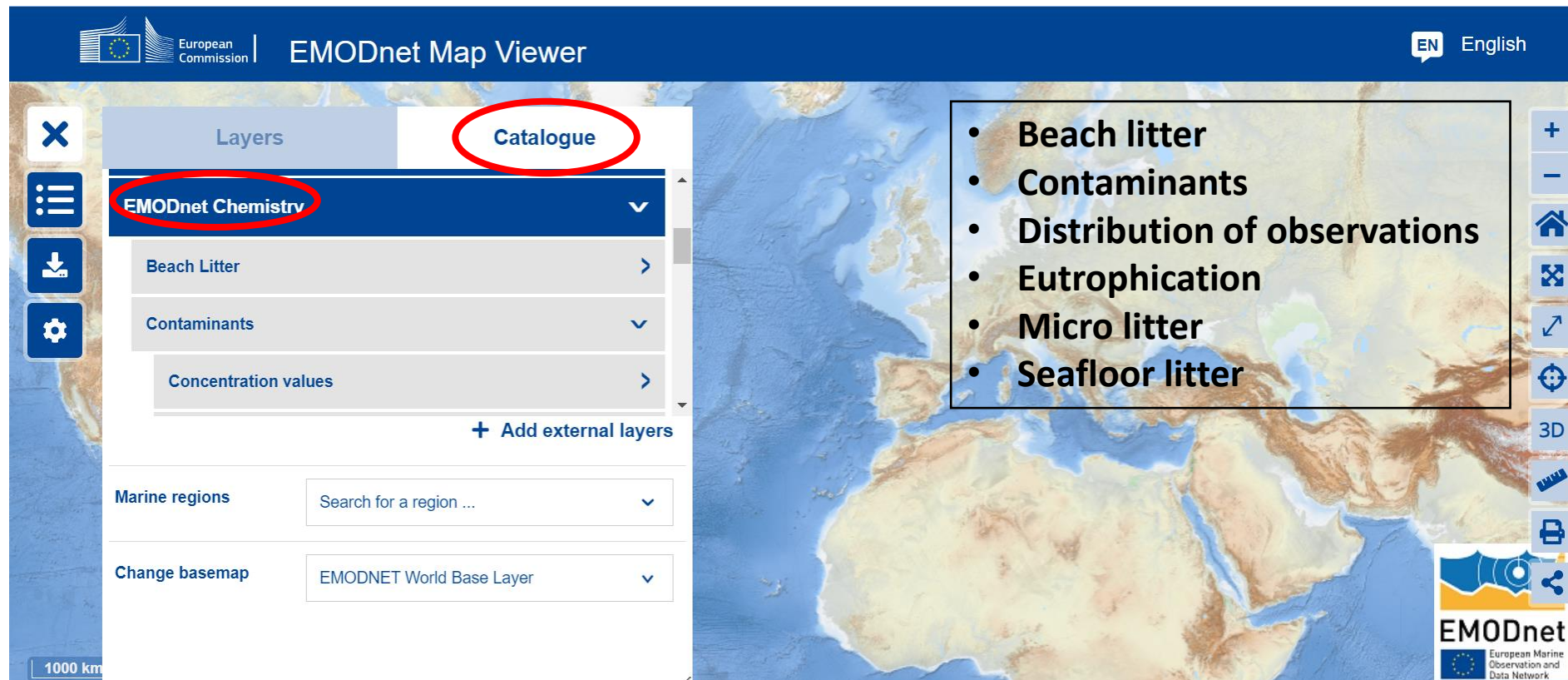
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EMODnet: your gateway to *in situ* marine data in Europe and beyond / Chemistry products catalogue

EMODnet portal (geoviewer): a single point to access the EMODnet products catalogue (<https://emodnet.ec.europa.eu/geoviewer/>)



The screenshot displays the EMODnet Map Viewer interface. The top header includes the European Commission logo and the text "EMODnet Map Viewer" on the left, and a language selector set to "English" on the right. The main interface is divided into a left sidebar and a central map area. In the sidebar, the "Catalogue" tab is selected and circled in red. Under this tab, the "EMODnet Chemistry" category is also circled in red. Below it, a list of products is shown: "Beach Litter", "Contaminants", and "Concentration values", each with a right-pointing arrow. At the bottom of the sidebar, there are sections for "Marine regions" (with a search bar) and "Change basemap" (set to "EMODNET World Base Layer"). The central map area shows a topographic view of Europe and Africa. A black box on the right side of the map contains a list of products: "Beach litter", "Contaminants", "Distribution of observations", "Eutrophication", "Micro litter", and "Seafloor litter". To the right of the map is a vertical toolbar with various icons for map interaction, including zoom in/out, home, full screen, and 3D view. The EMODnet logo is visible in the bottom right corner of the map area.

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Layers

Catalogue

- ☐ Heavy metals - Cadmium (median val... 
- ☐ Heavy metals - Lead (median values) 
- ☒ Heavy metals - Mercury (median values) 
- ☐ Heavy metals - Nickel (median values) 
- ☐ Hydrocarbons (PAH) - Anthracene (m... 
- ☐ Hydrocarbons (PAH) - Benzo(a)pyren... 

+ Add external layers

Marine regions

Search for a region ...

Change basemap

EMODNET World Base Layer

1000 km

+

-

Home

Full Screen

Link

Target

3D

Scale

Print



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Layers

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[+ Add external layers](#)

Marine regions

Search for a region ...

Change basemap

EMODNET World Base Layer

Heavy metals - Mercury (median values)

This product displays for Mercury, median values of the last 6 available years that have been measured per matrix and are present in EMODnet validated datasets. The median values ranges are derived from the following percentiles: 0-25%, 25-75%, 75-90%, >90%. Only "good data" are used, namely data with Quality Flag=1, 2, 6, Q (SeaDataNet Quality Flag schema). For water, only surface values are used (0-15 m), for sediment and biota data at all depths are used.

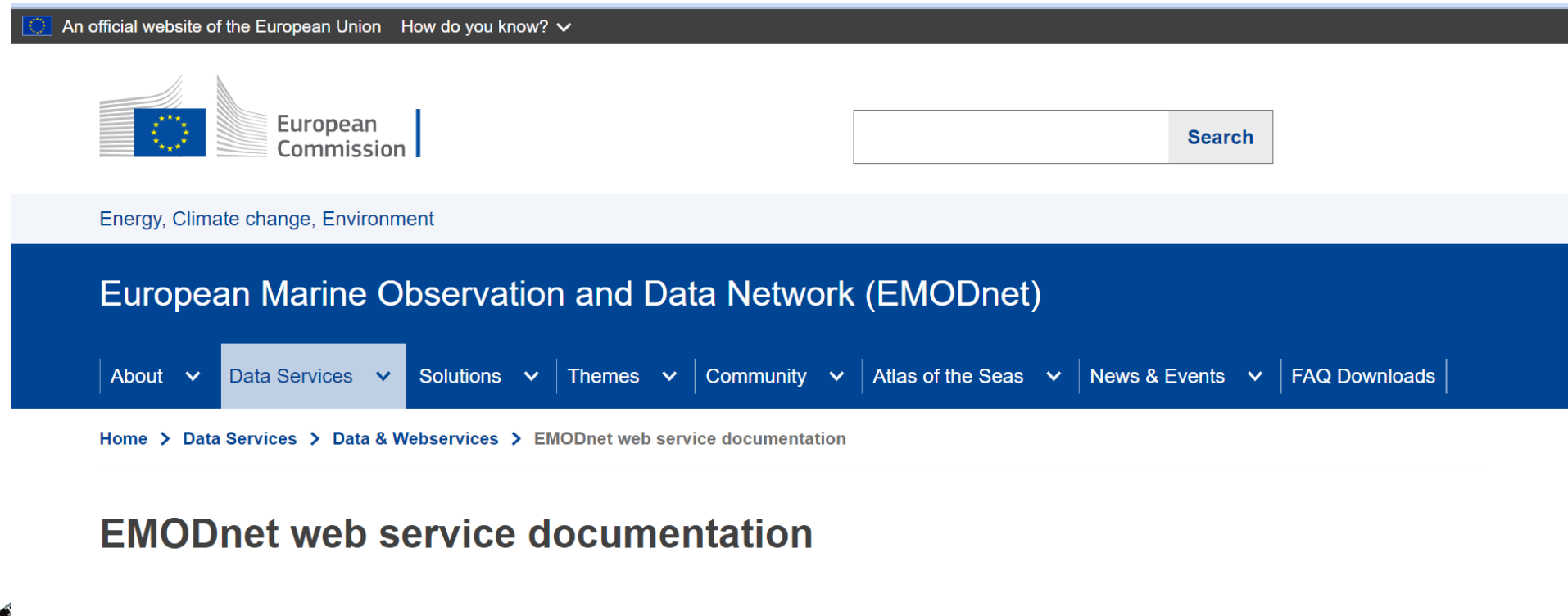
[Metadata](#)[Download](#)

1000 km

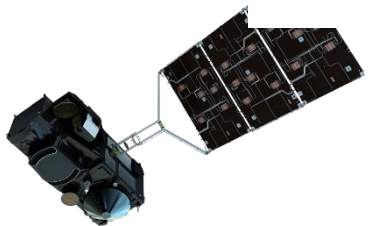
68° 07' 34" N 16° 19' 20" E

EMODnet OGC webservices and jupyter notebooks data access in the presentation at the second part

<https://emodnet.ec.europa.eu/en/emodnet-web-service-documentation>



The screenshot shows the EMODnet website interface. At the top, there is a dark blue header with the European Union flag and the text "An official website of the European Union" and "How do you know? ▾". Below this is the European Commission logo and a search bar with a "Search" button. The main navigation bar is dark blue with white text, listing "Energy, Climate change, Environment" and "European Marine Observation and Data Network (EMODnet)". Below the navigation bar is a horizontal menu with links: "About ▾", "Data Services ▾", "Solutions ▾", "Themes ▾", "Community ▾", "Atlas of the Seas ▾", "News & Events ▾", and "FAQ Downloads". Below the menu is a breadcrumb trail: "Home > Data Services > Data & Webservices > EMODnet web service documentation". The main content area has the title "EMODnet web service documentation".



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A satellite with solar panels is shown orbiting a turbulent ocean surface. The satellite is positioned on the left side of the frame, with its solar panels extended. The ocean below is characterized by large, white-capped waves, creating a high-contrast, textured appearance. The text "THANK YOU" is overlaid in the center of the image.

THANK YOU

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