

# Powering the European Marine Data Ecosystem

For a digital and green future

EMODnet OPEN CONFERENCE 2023



Session 1: EMODnet: a unified public marine data service

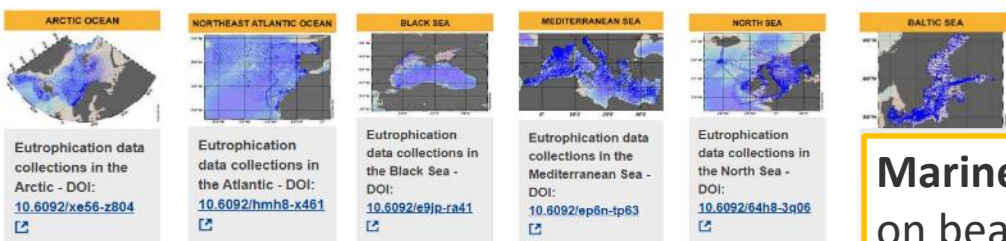
EMODnet Chemistry

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# EMODnet Chemistry

## Latest offer and key achievements

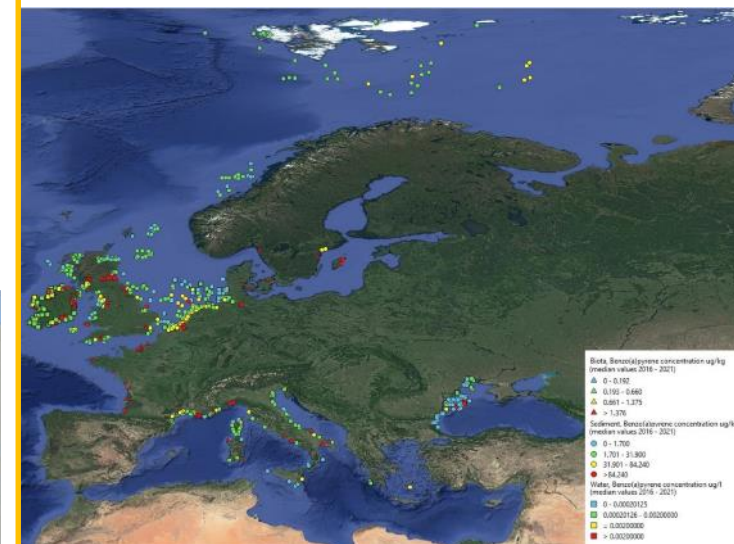
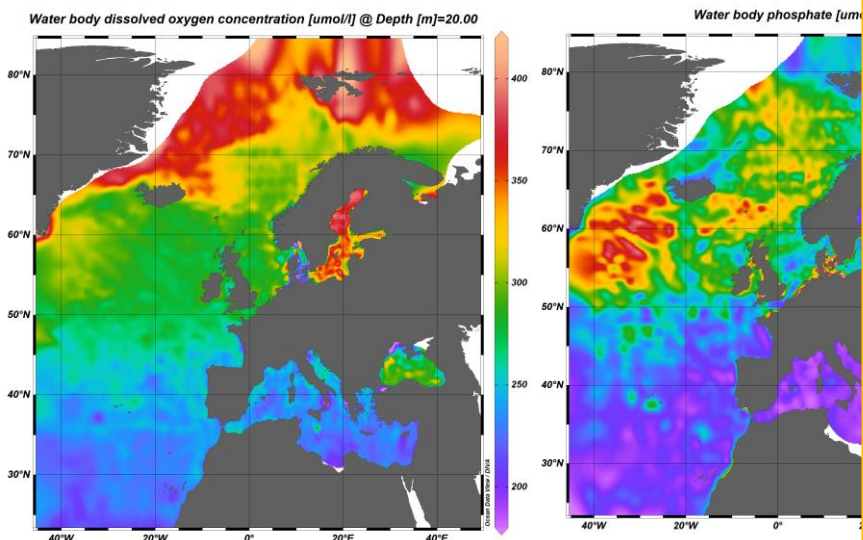
**Eutrophication:** Phosphate, Nitrate, Nitrite, Dissolved Oxygen, Chlorophyll-a, etc. in water



**Contaminants:** Hydrocarbons, Heavy metals, Pesticides, etc. in water, biota and sediment



**Marine litter:** Micro and Macro in water, on beaches and seafloor





# EMODnet Chemistry

## User community

Since 2017, MSFD reporting on marine litter has been based on data managed by EMODnet Chemistry, as confirmed by **representatives of TG ML, EC JRC and EU DG Env.**

Since 2021, **Helsinki Commission - HELCOM** has selected EMODnet Chemistry as the web-based platform for managing beach litter data to assess the state of the Baltic Sea.

In 2022, **Copernicus Marine Service** Thematic Assembly Centre used EMODnet Chemistry eutrophication data collections for their products.

In 2023, **EC JRC** received the first data collections for the MSFD Descriptor 5 (eutrophication), Descriptors 8 and 9 (contaminants).



Copernicus  
Marine Service



- **Data quantity** by

Expanding the network and data sources

Managing additional data types => Seafloor macrolitter from images

Floating macrolitter

New emerging contaminants

- **Optimisation of work processes** by

Improving the harmonisation of vocabularies

Strengthening the data flow from real-time (e.g. EMODnet Physics) to long-term archiving in the National Data Centres (e.g. EMODnet Chemistry)

Coordinate data release schedule with key stakeholders

Resumption of cooperation at the request of the Black Sea Commission

- **Data Quality** by

Extending the data validation loop to all data in the collections (new and updated/old)

Adoption of the new webODV development in synergy with the EOSC Blue-Cloud 2026 project



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