

# Connecting communities & infrastructures to unlock ocean knowledge for global users The European Marine Observation and Data Network (EMODnet)

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### EMODnet is...

- > 120 institutions working together
- · agreeing on standards, nomenclatures, baselines
- · allowing users to search, view and download data
- creating data products
- free of charge, free of restrictions of use



Green Paper Marine Knowledge 2020

Marine knowledge 2020 MARINE DATA AND OBSERVATION FOR SMART AND SUSTAINABLE GROWTH

adopted 8 September 2010

### Data Geology **Bathymetry** Data on seabed substrate, Data on bathymetry seafloor geology, coastal (water depth), depth behaviour, sediment contours, survey tracks, accumulation rates, geological events and and geographical location of underwater probabilities, and mineral features such as occurrences wrecks Biology Data on species **Human activities** temporal Data on the intensity and spatial and spatial extent of occurrences, biotic human activities at sea measurements, and abiotic parameters **EMODnet Central Portal** www.emodnet.eu **Open and Free access** Seabed habitats Chemistry Data on seabed habitats and surveys, environmental variables, and seabed **Physics** habitat models Data on salinity,

**Data Products** 

temperature, waves, currents, sea level, light attenuation, winds, underwater noise, river, water conductivity, atmosphere, optical properties

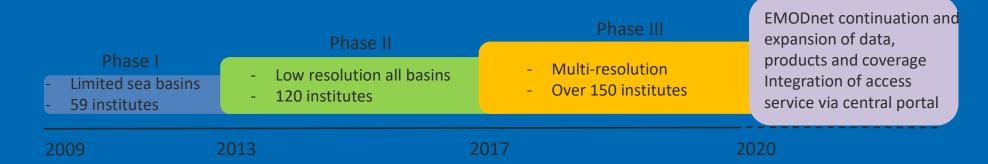
Data on concentrations of chemicals related to eutrophication and contamination in water, sediments and biota, and marine litter

**Data Services** 

Metadata



# A decade of progress, an evolving opportunity for the Ocean Decade



In the last decade, EMODnet has grown to a mature marine data initiative with an inclusive and growing community. EMODnet works across geographical scales to streamline marine data and knowledge management and to democratize marine data, offering information to underpin marine knowledge and all 'blue' activities.



















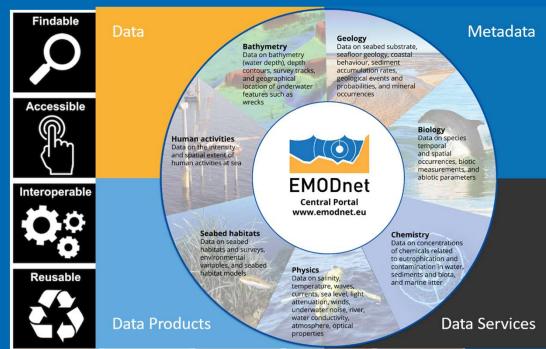






## What is the added value of EMODnet?

- INSPIRE and FAIR data principles
- Aggregated, harmonized multiparameter data sets
- Searchable metadata
- Data services (maps, query)
- Integrated data products
- Web services e.g. OGC, machinemachine readability e.g. WMS, WFS, WebS





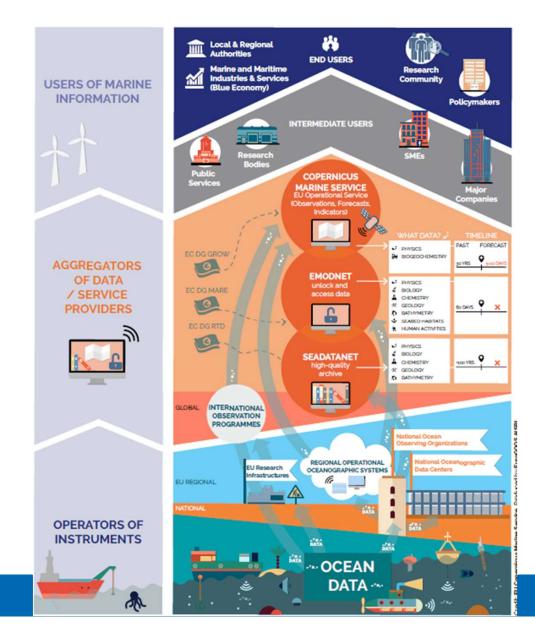








Cooperation and collaboration













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Your gateway to marine data in Europe