

Monitoring litteron coastal area

EMODnet data platform

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Research and Innovation for blue jobs and growth in the Mediterranean Area

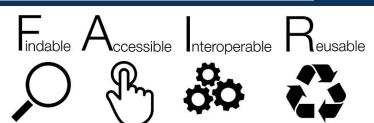


Why do ocean (blue) data matter?



 Collect data once, use many times.





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 Data

Geology

Data on seabed substrate, seafloor geology, coastal behaviour, sediment accumulation rates, geological events and probabilities, and mineral

Metadata

Data on bathymetry (water depth), depth contours, survey tracks, and geographical location of underwater features such as occurrences wrecks

Human activities

Data on the intensity and spatial extent of human activities at sea



EMODnet

Central Portal www.emodnet.eu

Seabed habitats

Bathymetry

Data on seabed habitats and surveys, environmental variables, and seabed habitat models

Open and Free access

Physics

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

Biology

Data on species temporal and spatial occurrences, biotic measurements, and abiotic parameters

Chemistry

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

Data Products

Data Services

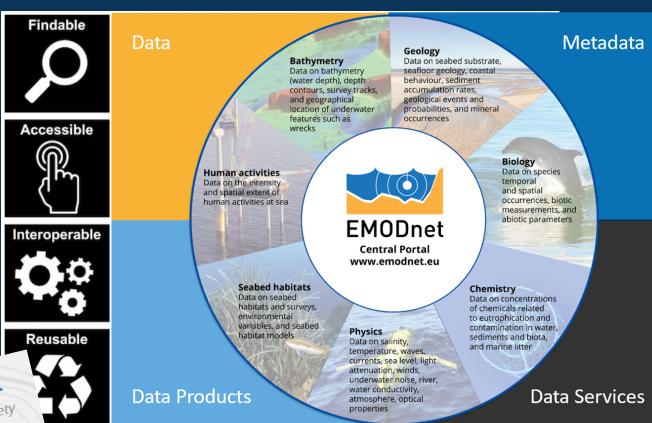
What is the added value of EMODnet?



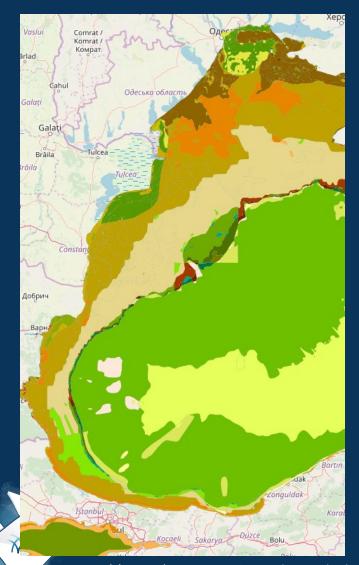
- INSPIRE and FAIR data principles
- Aggregated, harmonized multiparameter data sets
- Searchable metadata
- Integrated data products
- Data services (maps, query)
- Web services e.g. OGC, machine machine readability of machine readability of the local portal was society.

 WebS

 DATA INGESTION PORTAL DATA INGESTION FREE for Blue Society.



Result of working together: EUSeamap





Substrate

E.g. Sand, Mud, Rock

blue



Hydrodynamic Energy

Wave and currents climate at the seabed





Biological Zone

Infralittoral, circalittoral etc



Predictive habitat maps

EUNIS A3.1: Atlantic and Mediterranean High Energy Infralittoral Rock

With harmonized, trusted datasets, **integrated products** are made possible **for ocean applications and evidence-based decision-making**.

Healthy Mediterranean Sea - BlueMed Pilot Workshop for a Healthy, Plastic free Mediterranean Sea (Sep. 14, 2021)



Marine litter: EU framework

- Easy access to standardized data of:
 - Micro & macro litter
 - Beach sea surface seafloor
- Easy access to visualization products
 - ML data distribution, abundance, composition, types, etc.
- Tight connection with:
 - MSFD Technical Group on Marine Litter (TG ML)
 - European Environment Agency (EEA)
 - Regional Sea Conventions (RSCs)
 - Joint Research Commission (JRC)
 - International Council for the Exploration of the Sea (ICES)



















Use EMODnet, its data and data products

Pan-European data collections



Available to download as EMODnet Beach litter spreadsheet and as EMODnet Sea-floor litter csv file.

Beach litter surveys: total number of litter items in 2019 (want monitoring) what you want want was know what you want let us know what you want and need, and we can improve and need, and services our products and services





blue ed

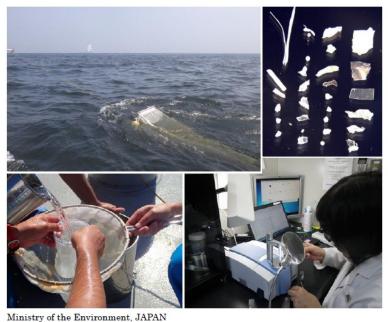
From European to Global



 Support to G20 group of experts on ML



1. Global goal





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