

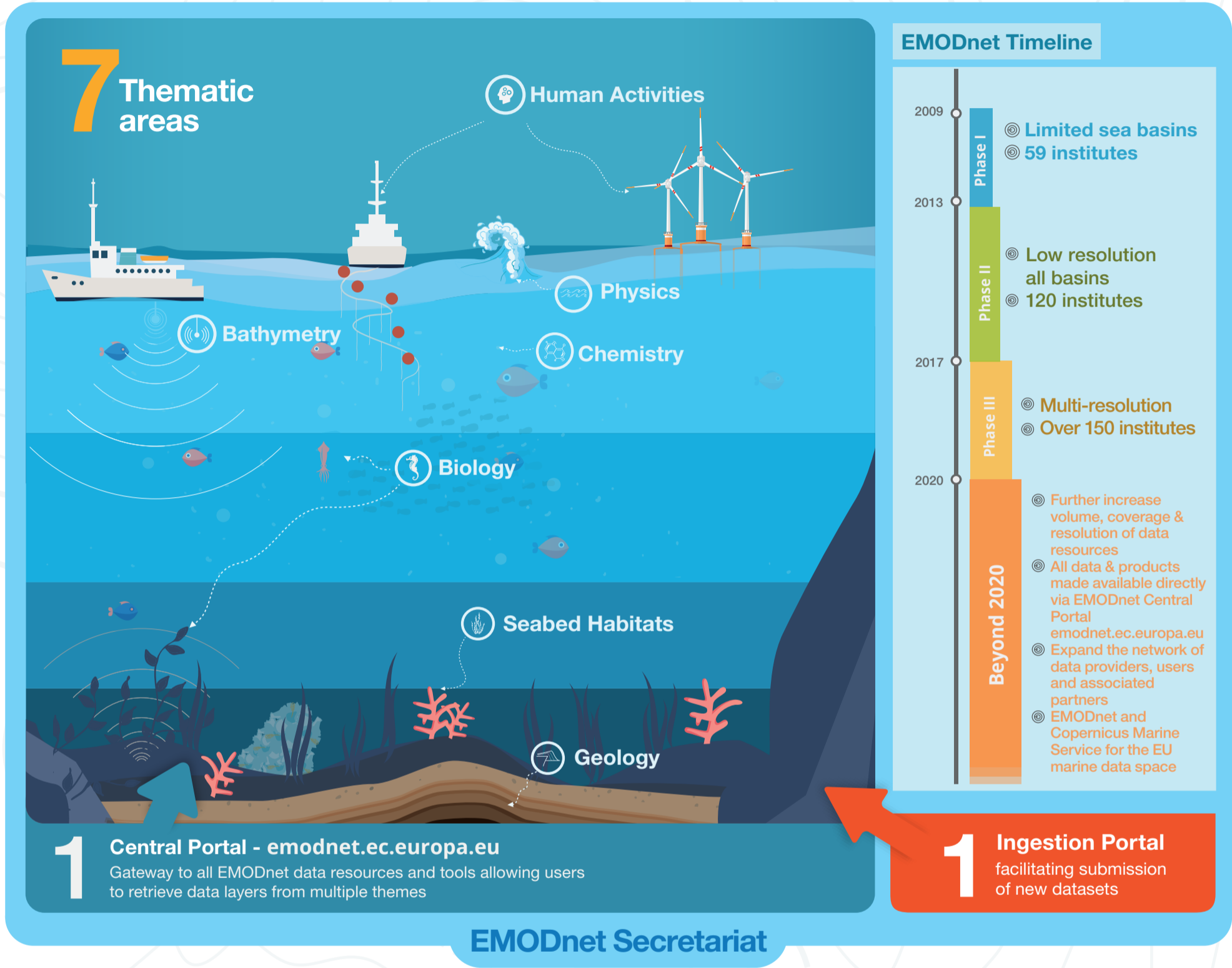


# THE EUROPEAN MARINE OBSERVATION AND DATA NETWORK - AT A GLANCE

# EMODnet



In 2022, over **120 organisations** assembling and making available **marine data, metadata & products**

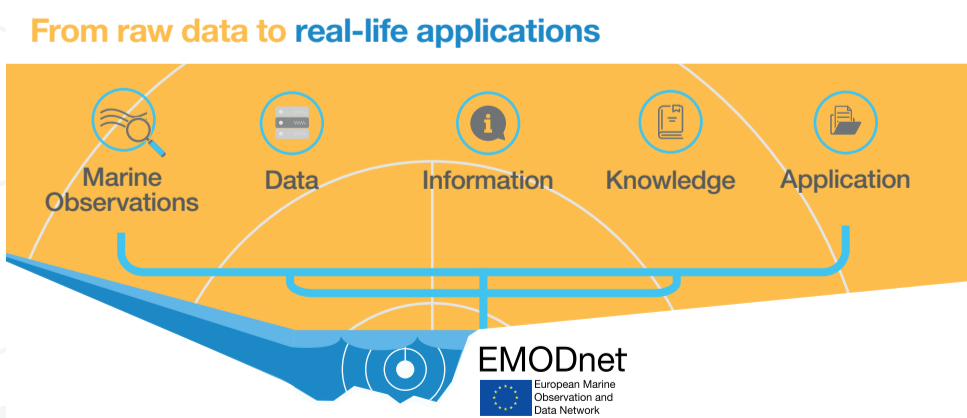


### Why EMODnet?

Every year, the EU & its Member States invest a huge amount in marine observations and data collection.

Most of this data ends up in different databases and systems scattered around Europe and is difficult to find, access, assemble and use.

**EMODnet is making a difference**



### Who is EMODnet for?

Professionals from: **Public Sector** **Civil Society**  
 **Private Sector** **Research Community**

### Benefits

- More productivity:** Avoid costs of repeated collection of data by improving access to already existing data in compatible formats
- More innovation:** Anyone (including SMEs) can build value-added services using data from different sources
- Less uncertainty:** Better access to data improves forecasts of the behaviour of the seas, reducing costs of protecting life and property in coastal areas and offshore
- Adding value to your own data:** Sharing data with EMODnet allows your own data to be combined with data from others to generate better value-added products and information and supports the global open data movement.



# EMODnet



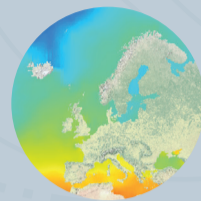
European Marine  
Observation and  
Data Network

## Seven concrete uses of EMODnet for sustainable blue growth and a healthy ocean



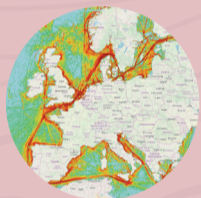
### 1. SEABED HABITATS

EMODnet Seabed Habitats data enabled the mapping of potential physical damages to benthic habitats due to fishing in the North-East Atlantic as part of a wider OSPAR Assessment.



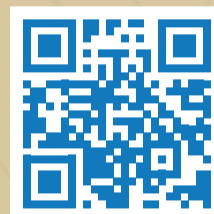
### 2. PHYSICS

An SME specialised in environmental impact assessment released a new service for its customers, the water dispersion studies, leveraging on EMODnet Physics data.



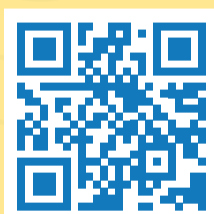
### 3. HUMAN ACTIVITIES

EMODnet Human Activities datasets on wind farm and hydrocarbon extraction provided crucial information to determine areas of interest for the development of wind farm projects.



### 4. GEOLOGY

A university investigated the influence of environmental conditions on the distribution of seagrass species in the Mediterranean sea-basin using EMODnet Geology data.



### 5. CHEMISTRY

EMODnet Chemistry contributed data to a European Commission impact assessment on reducing marine litter, with an analysis of plastic distribution coming from fishing gear and single use plastics.



### 6. BIOLOGY

EMODnet Biology data helped prevent the introduction of non-indigenous species outside their natural range by assessing the effectiveness of current measures.



### 7. BATHYMETRY

A consultancy company capitalised on EMODnet Bathymetry data to perform simulations of tsunami propagation in the North Sea for a tsunami hazard assessment of a nuclear facility.

For more  
user stories visit  
[emodnet.ec.europa.eu/use-cases](https://emodnet.ec.europa.eu/use-cases)



The European Marine Observation and Data Network (EMODnet) is financed by the European Union under Regulation (EU) 2021/1139 of the European Parliament and of the Council of 7 July 2021 establishing the European Maritime, Fisheries and Aquaculture Fund and its predecessor, Regulation (EU) No. 508/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

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