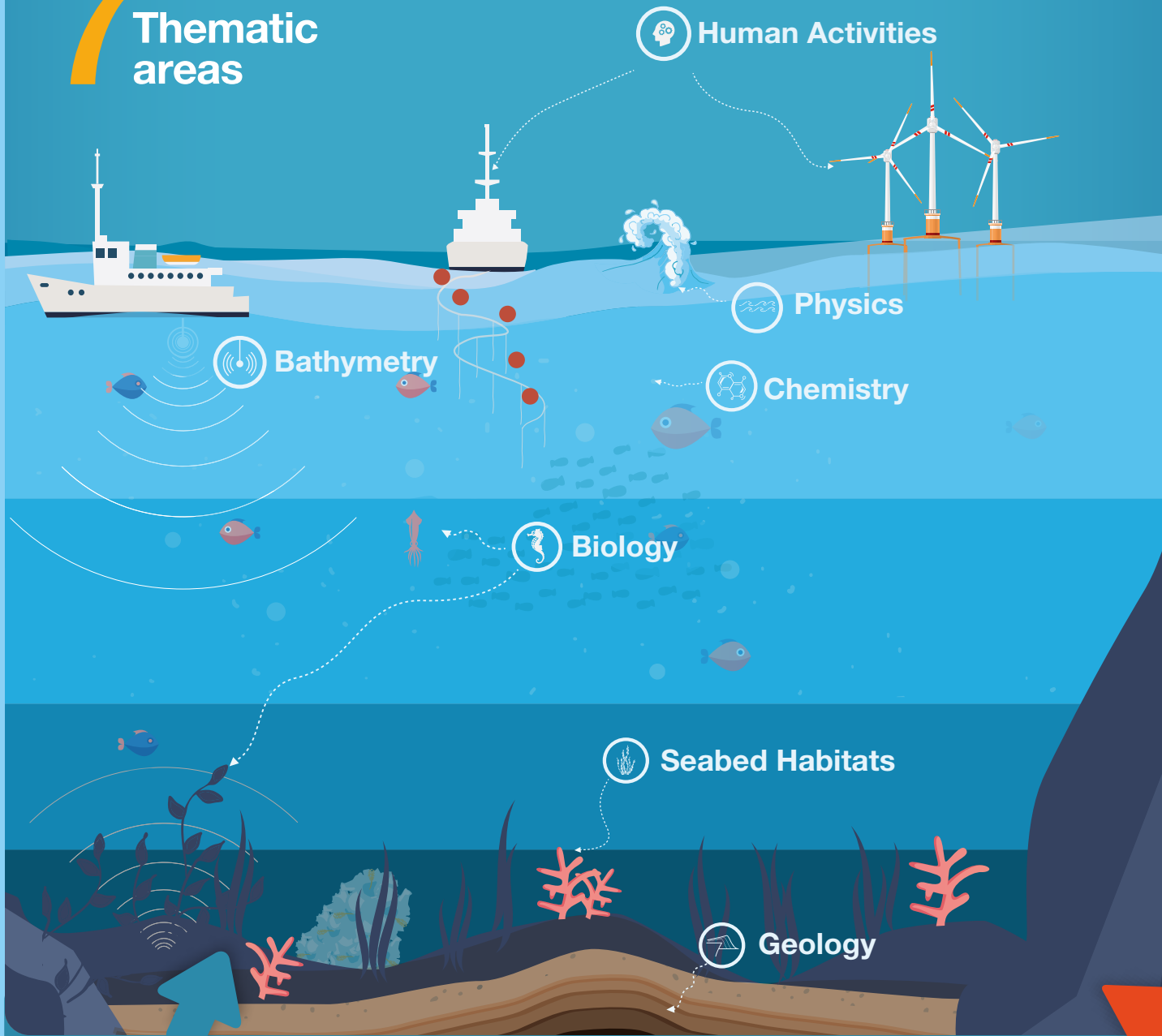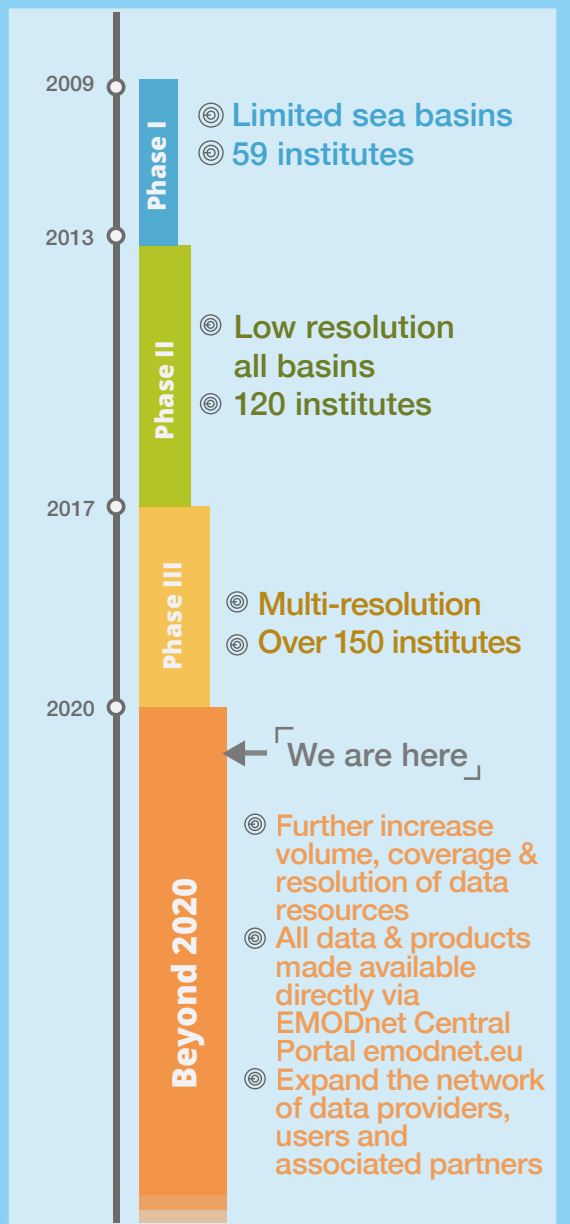**EMODnet**

European Marine Observation and Data Network

Over **120 organisations** assembling and making available **marine data, metadata & products**

7 Thematic areas

- Human Activities
- Physics
- Bathymetry
- Chemistry
- Biology
- Seabed Habitats
- Geology

1 CentralPortal - emodnet.ec.europa.eu
Gateway to all EMODnet data resources and tools allowing users to retrieve data layers from multiple themes

1 Ingestion Portal
facilitating submission of new datasets

EMODnet Timeline

2009

Phase I
◎ Limited sea basins
◎ 59 institutes

2013

Phase II
◎ Low resolution all basins
◎ 120 institutes

2017

Phase III
◎ Multi-resolution
◎ Over 150 institutes

2020

← We are here

Beyond 2020
◎ Further increase volume, coverage & resolution of data resources
◎ All data & products made available directly via EMODnet Central Portal emodnet.eu
◎ Expand the network of data providers, users and associated partners
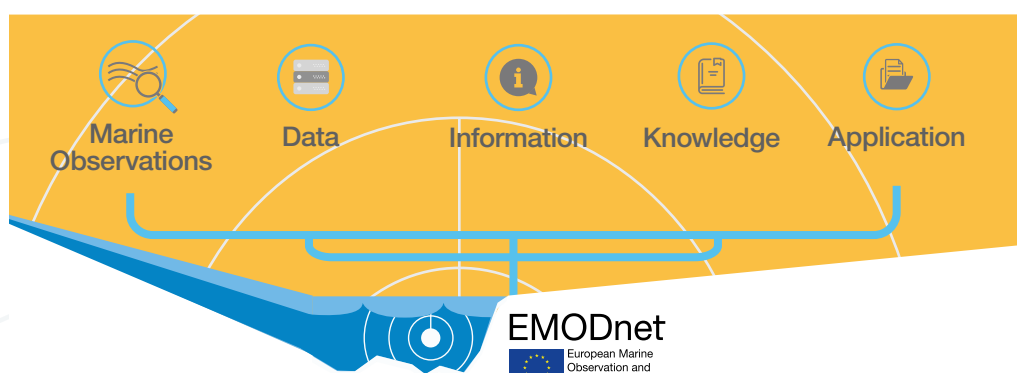
EMODnet Secretariat

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

From raw data to real-life applications

- Marine Observations
- Data
- Information
- Knowledge
- Application

EMODnet
European Marine Observation and Data Network

Who is EMODnet for?

Professionals from: 🏛 **Public Sector** ⚓ **Civil Society** 🏭 **Private Sector** ⚖ **Research Community**
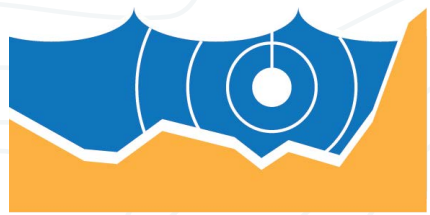
Benefits

👍 **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.ec.europa.eu
🐦 @EMODnet

EMODnet
European Marine Observation and Data Network

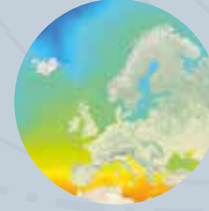# Seven concrete uses of EMODnet for sustainable blue growth and a healthy ocean
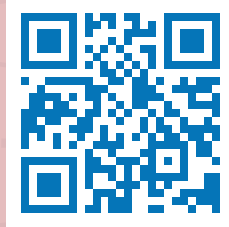
1. SEABED HABITATS

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.
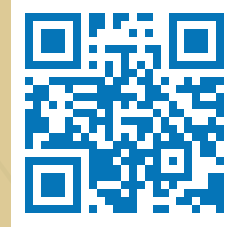
Click on the QR Code

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.

Click on the QR Code

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.

Scan the QR Code

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.

Scan the QR Code

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.

Scan the QR Code

6. BIOLOGY

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

Scan the QR Code

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.

Scan the QR Code

For more user stories visit
emodnet.ec.europa.eu/ use-cases

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