

Powering the European Marine Data Ecosystem

For a digital and green future

EMODnet OPEN CONFERENCE 2023



EMODnet Townhall: EMODnet, EU Mission Ocean and wider society

Co-Chairs:

Patrick Gorringer (EMODnet Physics - SMHI, Sweden)
Nathalie Van Isacker (EMODnet Secretariat)

The Townhall objectives are to:

- Discuss how EMODnet data/data products can serve the EU Mission “Restore our Ocean and Waters”;
- Discuss how to enhance ingestion into EMODnet of data from Mission Ocean and Waters projects;
- Discuss how to increase EMODnet’s connections with wider society through citizen science as well as contributions to education and Ocean Literacy.

Programme

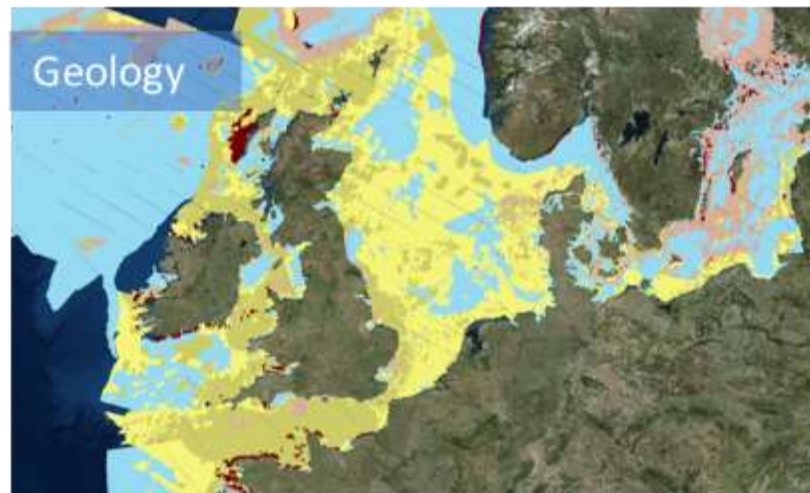
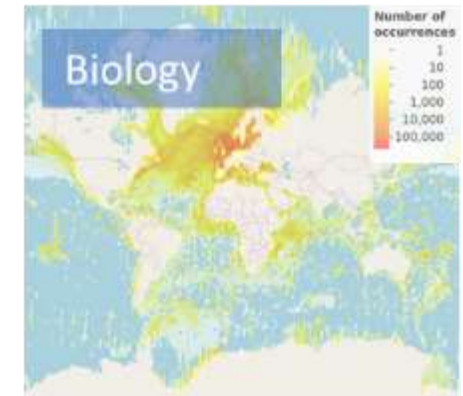
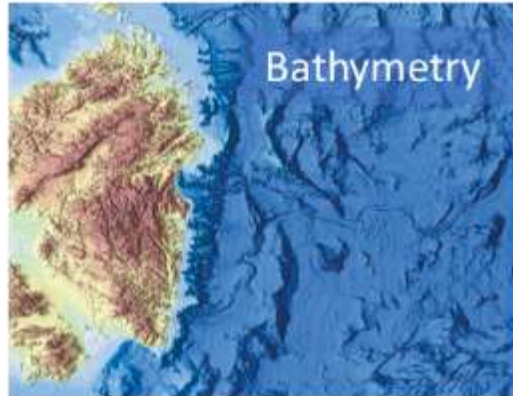
- Introduction
- **Where are we today?**

Presentation by Patrick Gorringe (EMODnet Physics - SMHI, Sweden) and Nathalie Van Isacker (EMODnet Secretariat)

- **Perspectives from the European Marine Board**

Presentation by Sheila Heymans (European Marine Board)

- **Where do we want to go?**
 - ✓ Co-chairs present 4 questions that will be discussed by participants in 4 groups
 - ✓ Please include key elements from the discussion in [Padlet](#)
 - ✓ Conclusions will be summarised at the panel session “EMODnet by and for wider society” tomorrow at 12:25
- **Townhall wrap-up and next steps**



One central map viewer

to visualise all EMODnet data



BATHYMETRY



HUMAN ACTIVITIES



PHYSICS



GEOLOGY



SEABED HABITATS



CHEMISTRY



BIOLOGY

1 OCEAN 1 EMODnet

One single portal

120
partners

One central metadata catalogue

to enhance data search and discovery

+100
use cases

Discover, visualise and
download marine data and products
across 7 thematics and hundreds of parameters



EMODNET.EC.EUROPA.EU

YOUR GATEWAY TO *IN SITU* MARINE DATA IN EUROPE AND BEYOND



The European Marine Observation and Data Network (EMODnet) is financed by the European Union under regulation (EU) No 300/2014 of the European Parliament and of the Council of 15 May 2014 on the European Maritime and Fisheries Fund.

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EU Mission: Restore our Ocean and Waters



1. **Protect and restore marine and freshwater ecosystems and biodiversity**, in line with the EU Biodiversity Strategy 2030;
2. **Prevent and eliminate pollution of our ocean, seas and waters**, in line with the EU Action Plan Towards Zero Pollution for Air, Water and Soil;
3. **Make the sustainable blue economy carbon-neutral and circular**, in line with the proposed European Climate Law and the holistic vision enshrined in the Sustainable Blue Economy Strategy.



Biology *Seabed Habitats*



Chemistry



Human Activities

To reach these objectives the Mission is putting in place two enablers:

1. **Digital Ocean and Water Knowledge System;**
2. **Public mobilisation and engagement.**



EMODnet: Citizen Science and low-cost sensors



<https://www.sailing4science.org>



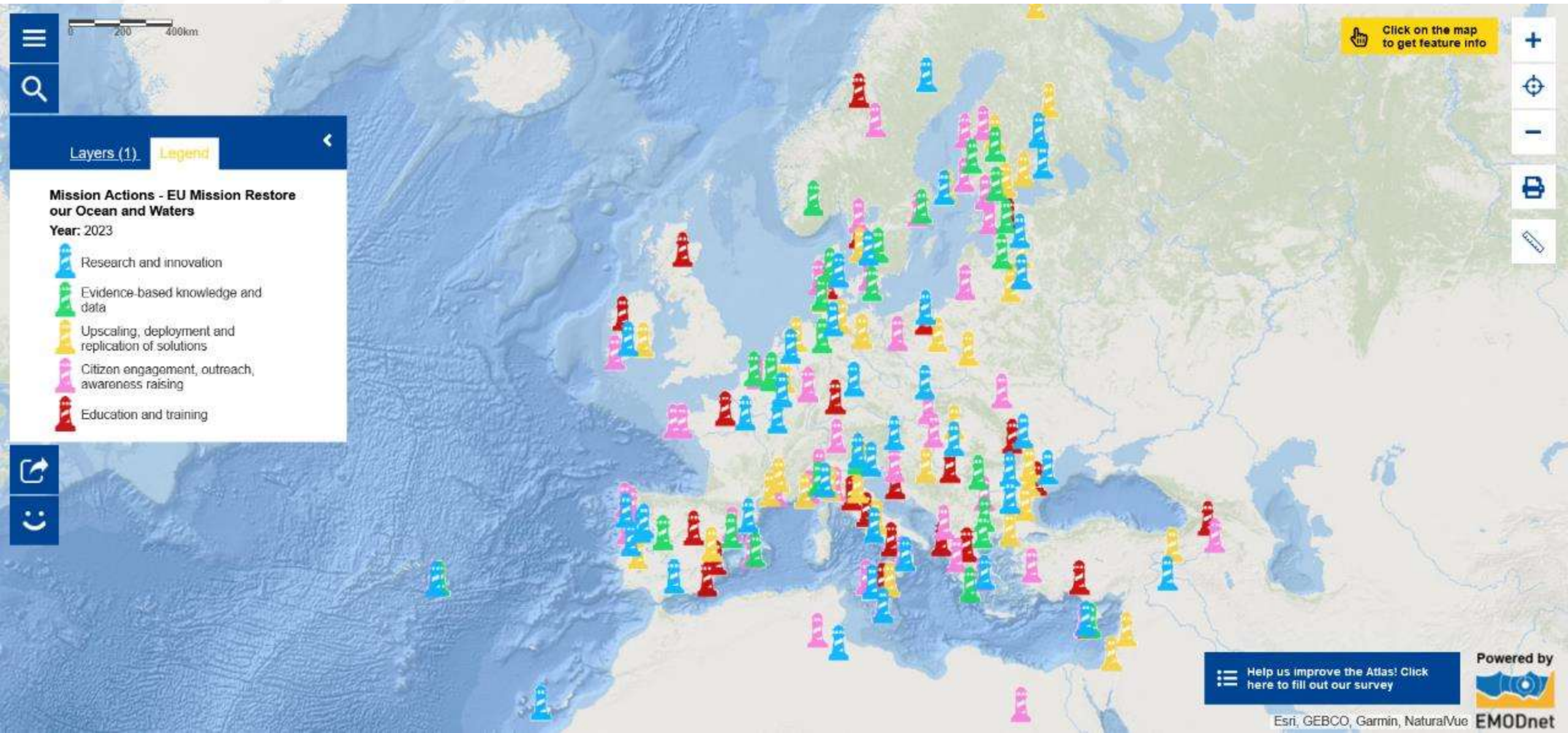
<https://educationalpassages.org/>



<https://www.erasmusmaris.eu/>

EU Mission projects can also ingest their data into EMODnet

Mission Actions in the European Atlas of the Seas powered by

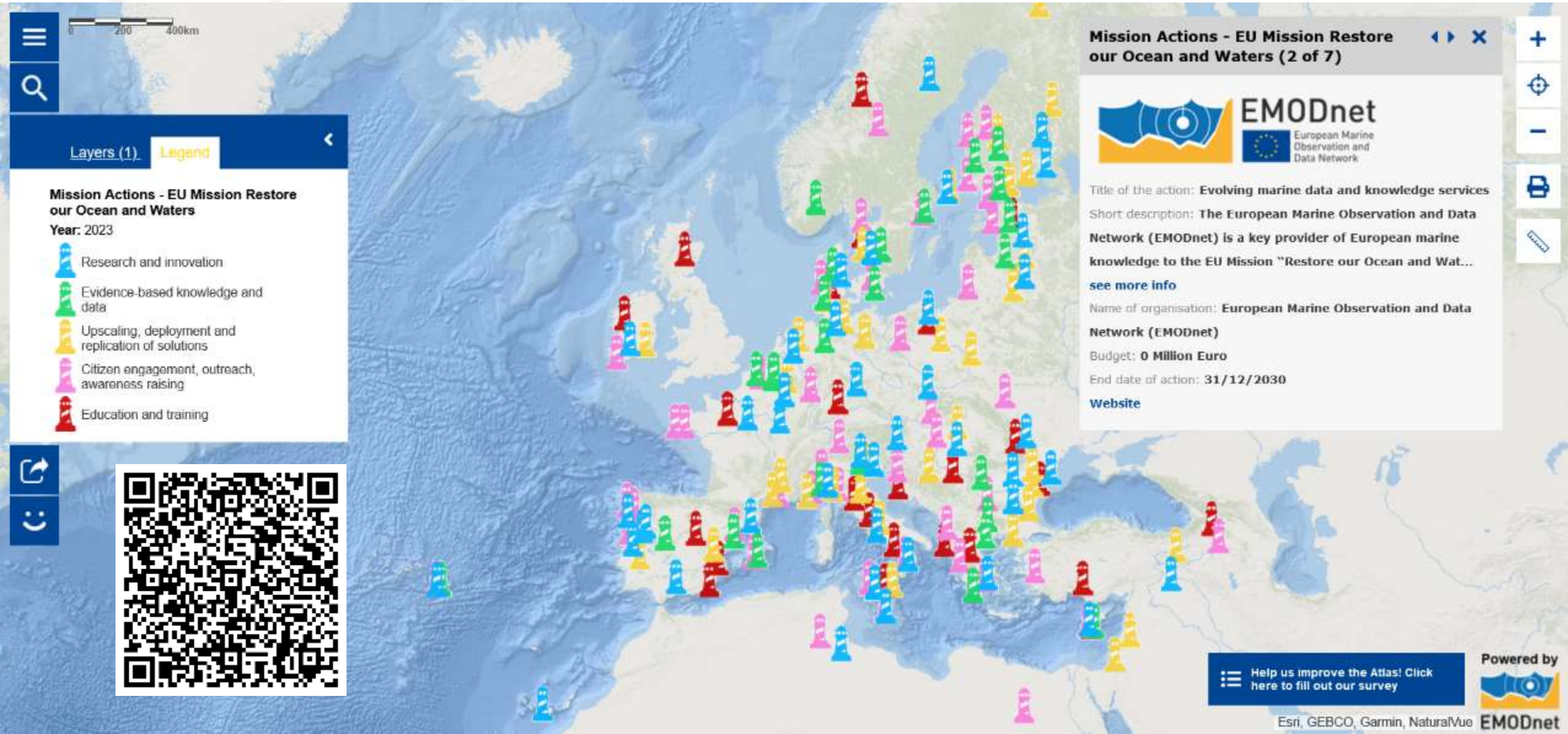


Click on the map to get feature info

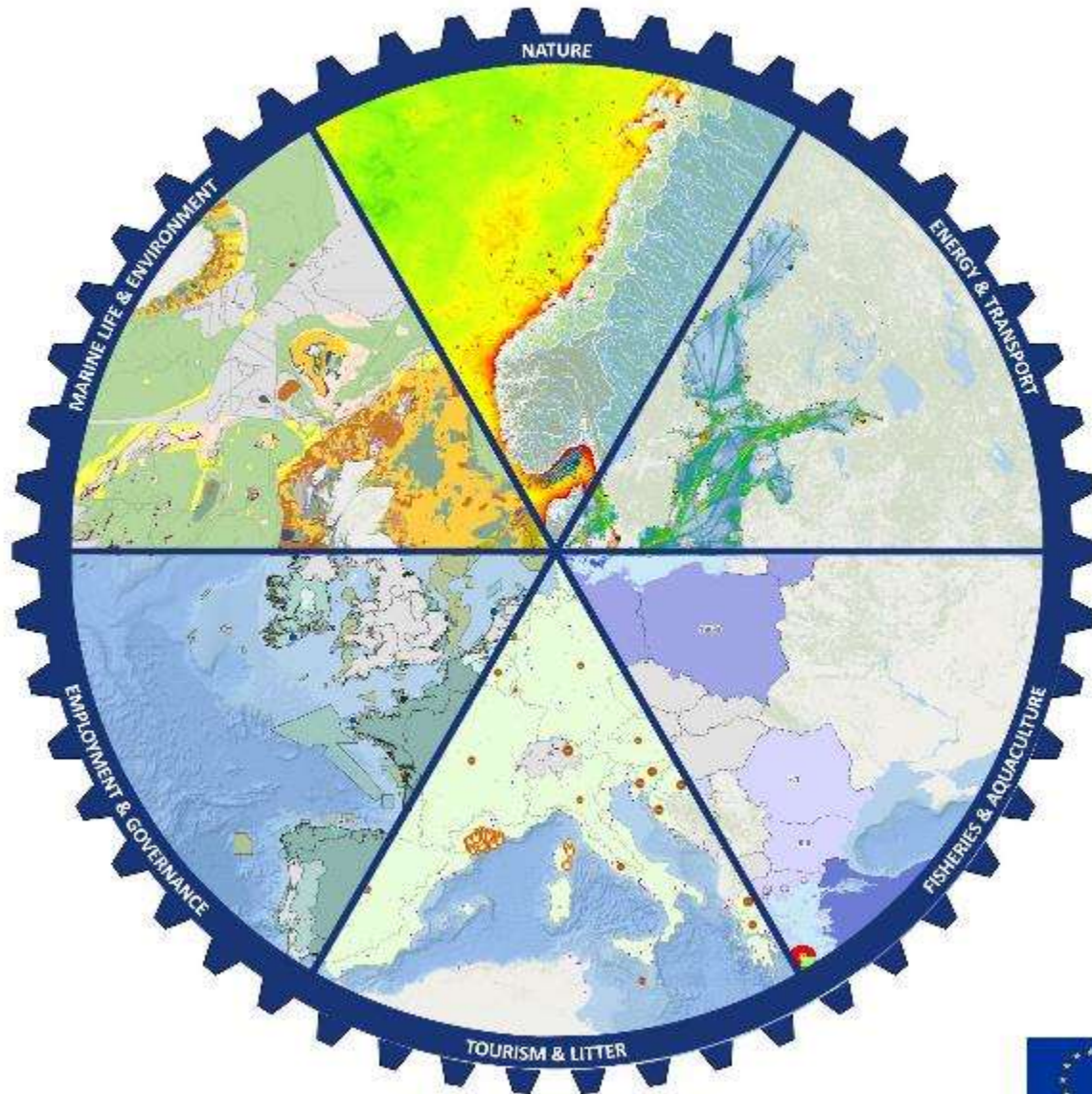
Help us improve the Atlas! Click here to fill out our survey

Powered by

EMODnet commits to continue evolving its services based on user and policy needs and requirements, including to serve the EU Mission Ocean and Waters.



The European Atlas of the Seas



Dive in now!

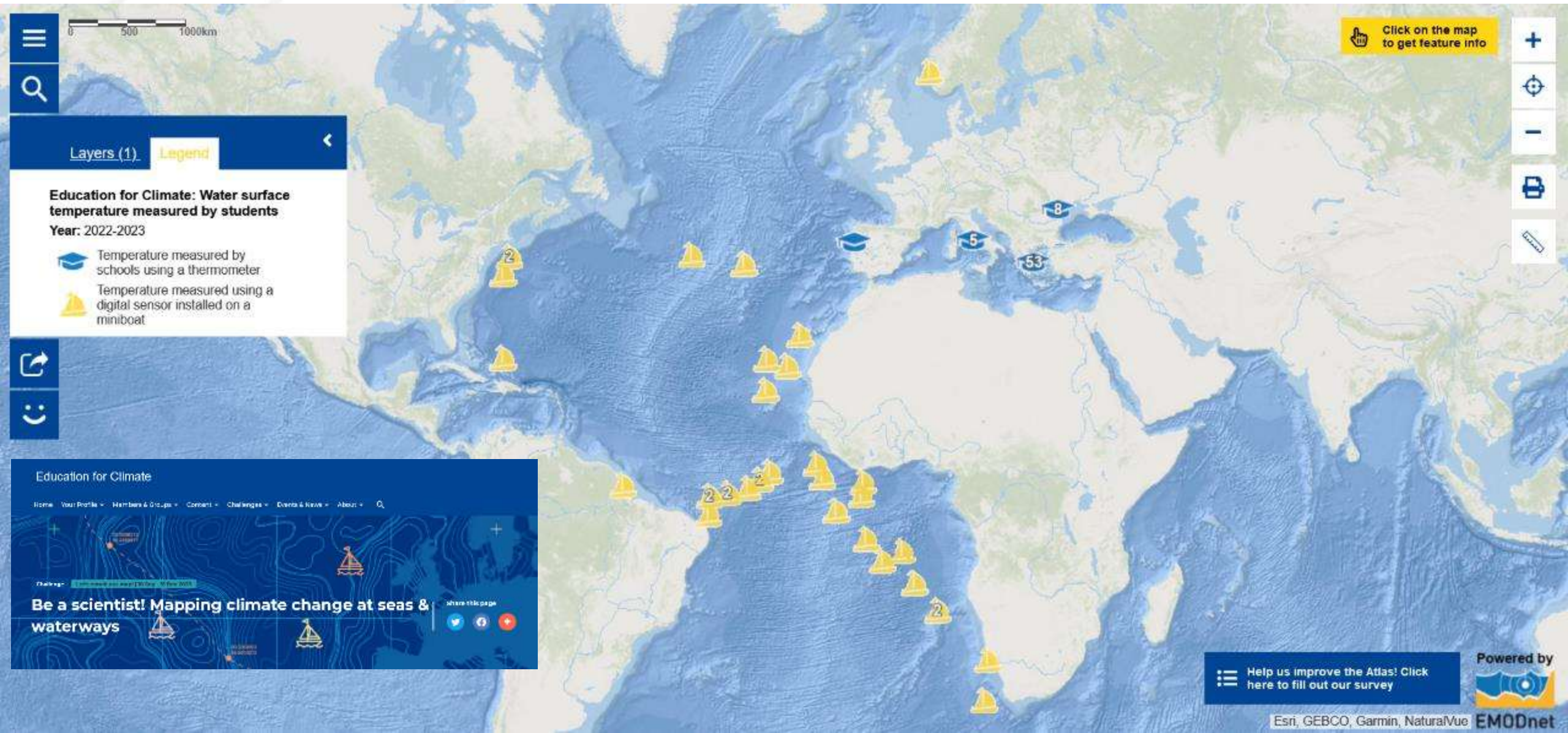


The European Commission's Ocean Literacy tool powered by EMODnet.

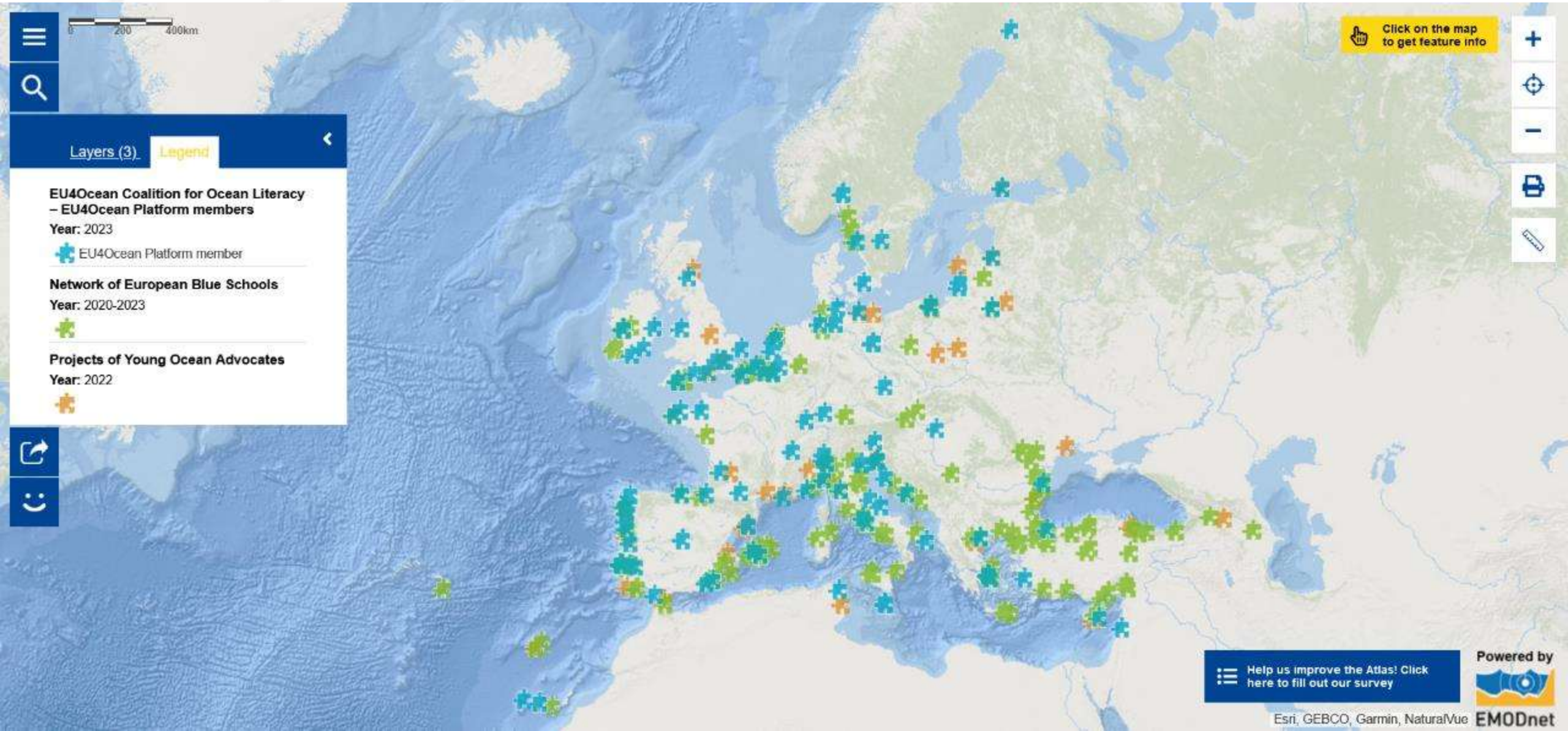
- ✓ 294 map layers
- ✓ 9+ data providers
- ✓ 30 thematics
- ✓ 24 EU languages
- ✓ teaching resources

First citizen science map in the European Atlas of the Seas

Schools, Educational Passages & Partnership for Observation of the Global Ocean (POGO)



The EU4Ocean Coalition in the European Atlas of the Seas



The Teachers Corner and the My Maps tool



- ✓ Exercises
- ✓ Quizzes
- ✓ Games
- ✓ Posters
- ✓ Past workshops -presentations



- ✓ Create your own working space
- ✓ Save and edit your maps

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Thank you for your attention

Patrick Gorringe

Nathalie Van Isacker

secretariat@emodnet.ec.europa.eu

emodnet.ec.europa.eu

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the latest news



Discussion: Where do we want to go?

Add the key elements from your discussion in the Padlet

1. How can **EMODnet data and data products** support the implementation of the EU Mission “Restore our Ocean and Waters” projects? How can this be optimised?
2. What can EMODnet do to encourage Mission Ocean and Waters projects to share their data? How can **data ingestion** from these projects be facilitated?
3. What can EMODnet do to enhance connections with wider society? How can the involvement of **citizen science initiatives** as data providers be optimised via EMODnet and the European Atlas of the Seas?
4. How can EMODnet and the European Atlas of the Seas further **support education** and help teachers, education experts and policy-makers bring the ocean into the classroom?

SAVE THE DATE



EMODnet *for* Mission Ocean and Horizon Europe

ONLINE WEBINAR

Wednesday 28 February 2024

11:00-12:30 CET



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European Marine
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the latest news



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.