

The European Atlas of the Seas

www.european-atlas-of-the-seas.eu

EU4Ocean Arctic Ocean Literacy Festival



Icebergs in Disco Bay, Greenland
Source: <http://www.grida.no/resources/3637> Credit: Peter Prokosch



How do we know what we know about the ocean?

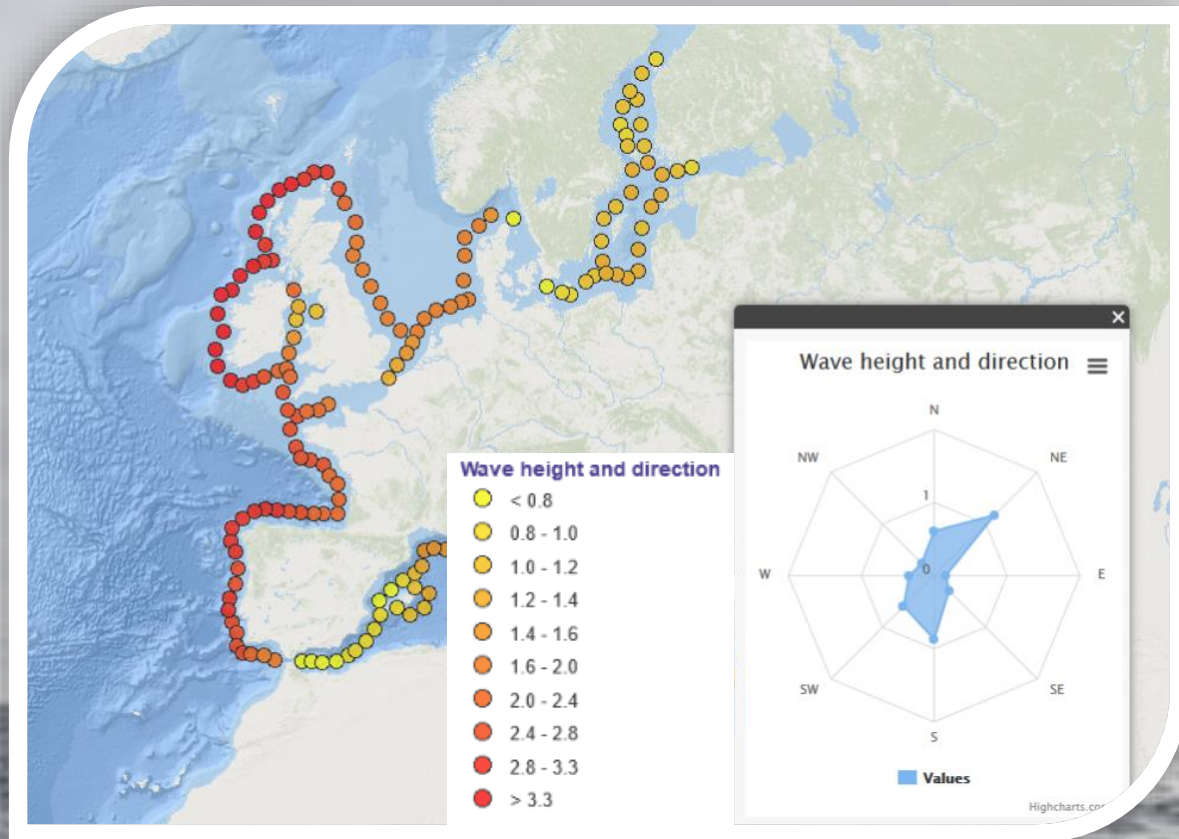
What kind of instruments are used to collect information at sea?

Where are they deployed?

European Marine Observation and Data Network

<http://emodnet.ec.europa.eu/>





What topics are covered in the European Atlas of the Seas?



Tourism



Nature



Sea life



Transport



Sea bottom



Energy



Security



Employment



Fishing stocks and quota



Aquaculture

What is the European Atlas of the Seas?

- A digital **interactive learning tool**
- Stunning **marine maps** and interactive **oceanic information** covering a wide range of popular **marine topics**
- **275 interactive map** layers and possibility to create **custom maps**
- All information and maps are **easily accessible**: no need to create an account
- Maps are available in the **24 official languages of the European Union**
- Maps can be quickly **printed, shared and embedded** in presentations



European
Commission



www.european-atlas-of-the-seas.eu

Behind the Atlas...

- The European Atlas of the Seas is an initiative of the Directorate General for Maritime Affairs and Fisheries (DG MARE) of the European Commission
- It is managed by the European Marine Observation and Data Network (EMODnet) Secretariat, which is financed by the European Union, since 2017. EMODnet is a network of organisations working together to observe the sea and to make the marine data collected freely available and interoperable.



Where does the data come from?

- European Commission, Directorate General for Maritime Affairs and Fisheries (DG MARE)
- Other services of the European Commission
- The European Marine Observation and Data Network (EMODnet)
- The European Environmental Agency
- Eurostat
- Copernicus Marine
- Joint Research Centre
- ...



How does it work?

The screenshot shows the user interface of the European Atlas of the Seas. Red dashed circles highlight the following elements:

- Top Left:** A hamburger menu icon and a search icon.
- Top Center:** A language selector showing "English" and "EN", and a "Follow us" link with a Twitter icon.
- Top Right:** A "Give feedback" link with a smiley face icon.
- Breadcrumb:** "European Commission > Maritime Affairs > European Atlas of the Seas".
- Main Header:** An information icon followed by the title "European Atlas of the Seas" and a description: "Explore, collate and create your own sea map. Learn more about Europe's seas and coasts, their environment, related human activities and European policies."
- Left Sidebar:** A button labeled "Do you need help?", a button labeled "Advanced features", and a button labeled "Atlas overview".
- Right Sidebar:** A button labeled "New Atlas functions" with a "V6" badge, a button labeled "Teachers corner", and a button labeled "Legal notice".

At the bottom right, the text "Powered by" is followed by the EMODnet logo and the text "Esri, GEBCO, DeLorme, NaturalVue EMODnet".

How does it work?

The screenshot displays the EMODnet web application interface. A modal window titled "Add layers to the map" is open, overlaying a map of Europe. The modal has a blue header bar with the title. Below the header is a search bar labeled "Search for layers". Underneath the search bar are three tabs: "Predefined maps (19)", "Layers", and "Map stories". The "Layers" tab is currently selected. Below the tabs, a section titled "Oceanographic instruments" is visible. This section contains a list of layers with checkboxes and information icons. The layers listed are: "Algo floats" (checked), "Drifting buoy tracks (Monthly)" (unchecked), "Drifting buoys" (checked), "Ferrybox" (unchecked), "High Frequency Radar" (unchecked), and "Mooring platforms" (unchecked). The "Algo floats" and "Drifting buoys" layers are circled with a red dashed line. In the top right corner of the modal, there is a close button (an 'X' icon) also circled with a red dashed line. The background map shows various data points, including purple dots representing drifting buoys. The bottom right corner of the image shows the EMODnet logo and the text "Powered by Esri, GEBCO, DeLorme, NaturalVue".

How does it work?

Search for layers

Predefined maps (19) Layers Map stories

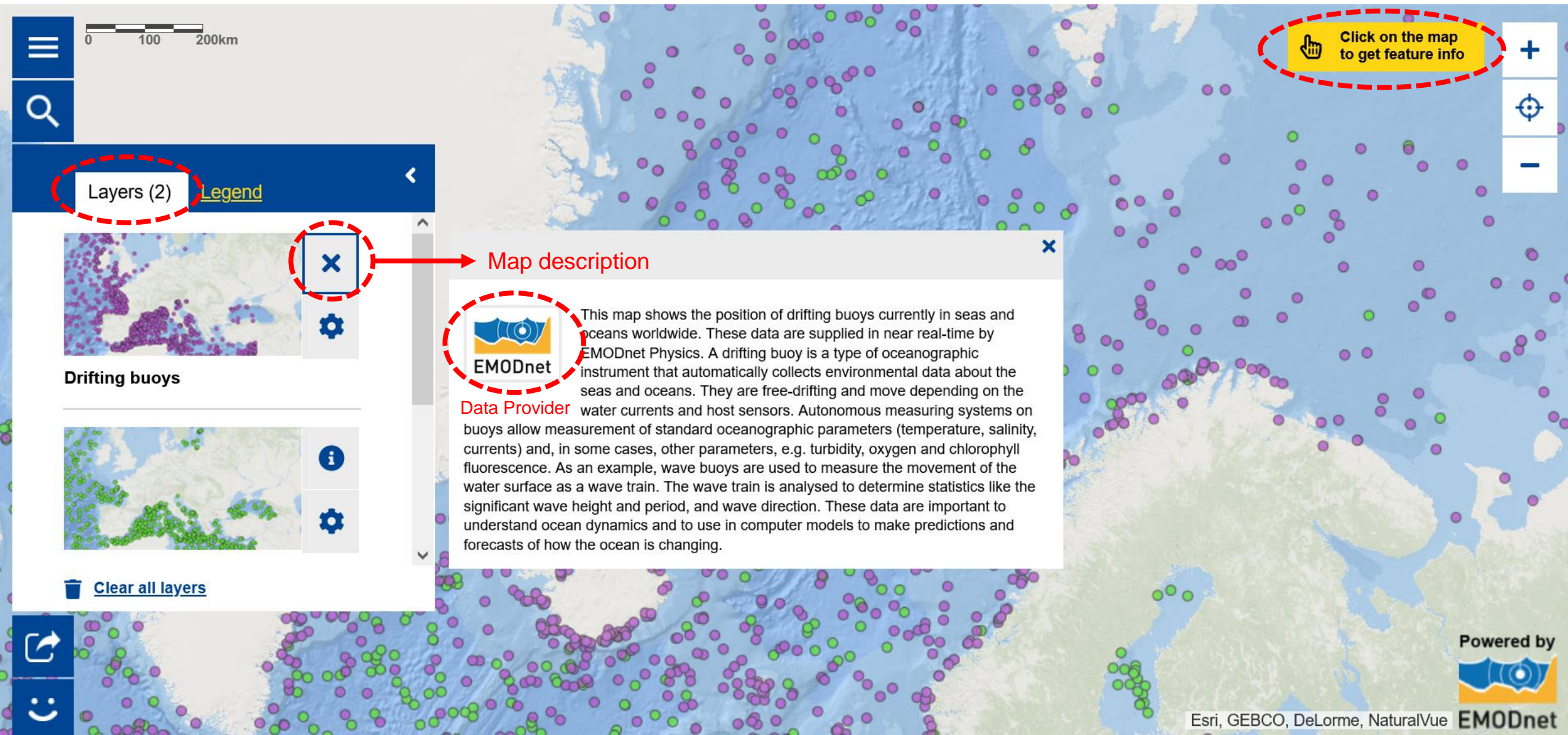
Oceanographic instruments

- ☒ Algo floats *i*
- ☐ Drifting buoy tracks (Monthly) *i*
- ☒ Drifting buoys *i*
- ☐ Ferrybox *i*
- ☐ High Frequency Radar *i*
- ☐ Mooring platforms *i*

Clear all

Powered by
Esri, GEBCO, DeLorme, NaturalVue
EMODnet

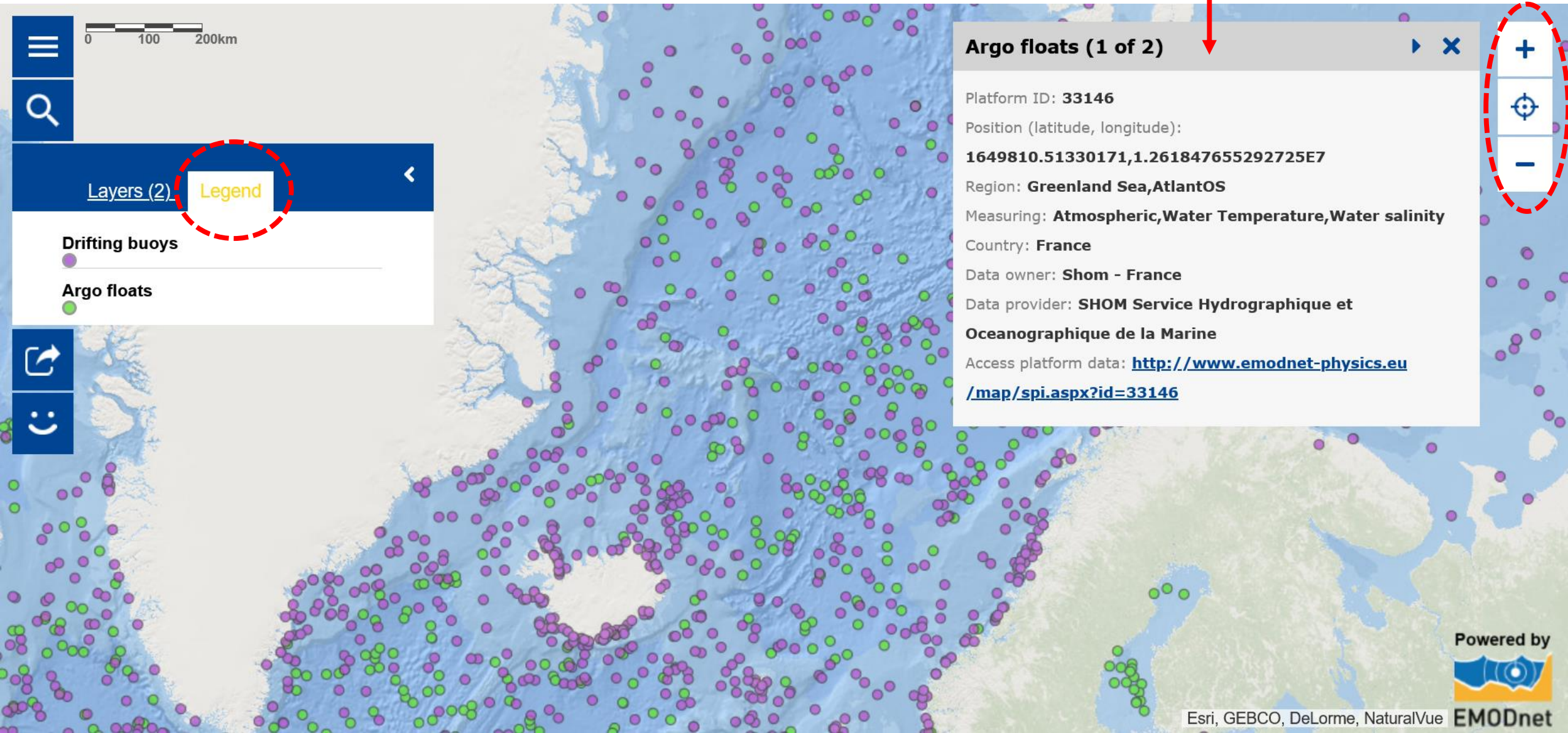
How does it work?



How does it work?




Click on the map
to get feature info




How does it work?

The screenshot displays a web application interface with a map background. On the left, a vertical toolbar contains icons for a menu (circled in red), search, layers, and a smiley face. The top navigation bar includes a European Union flag, a help icon, language options (English, EN), social media links (Follow us, Twitter), and a feedback link (Give feedback, smiley face). A blue header bar reads 'Advanced features'. Below this, two features are listed: 'Print tool' with a printer icon and a description 'Printing service to allow the current map to print', and 'Measures tool' with a ruler icon and a description 'Tool to determine areas, distances and coordinates'. To the right of each feature is a blue toggle switch, both of which are circled in red. On the right side of the map, another vertical toolbar contains icons for zooming, a target, a minus sign, a printer (circled in red), and a ruler (circled in red). The bottom right corner features the text 'Powered by' above a logo and 'EMODnet'.

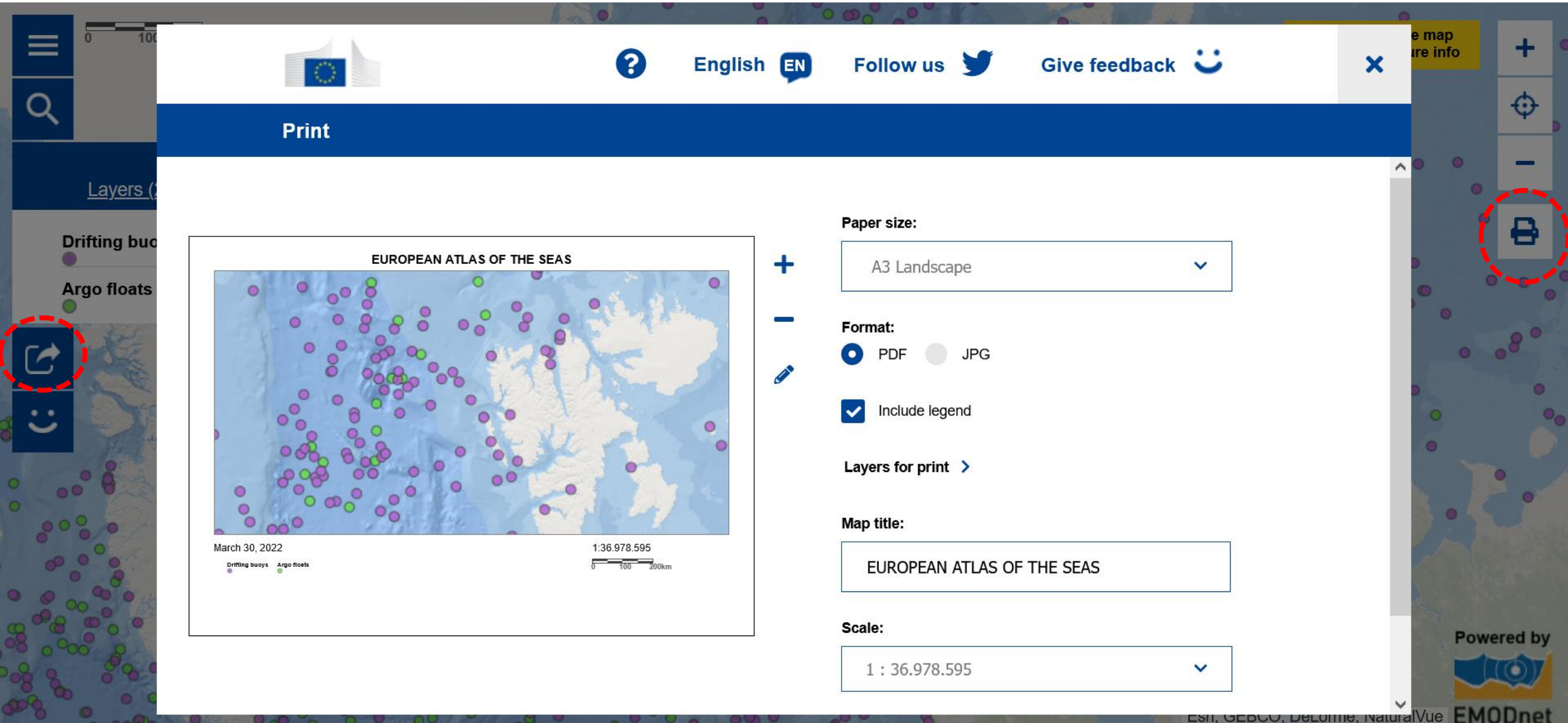
Advanced features

 **Print tool**
Printing service to allow the current map to print

 **Measures tool**
Tool to determine areas, distances and coordinates

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How does it work?





European Commission > Maritime Affairs > European Atlas of the Seas

European Atlas of the Seas

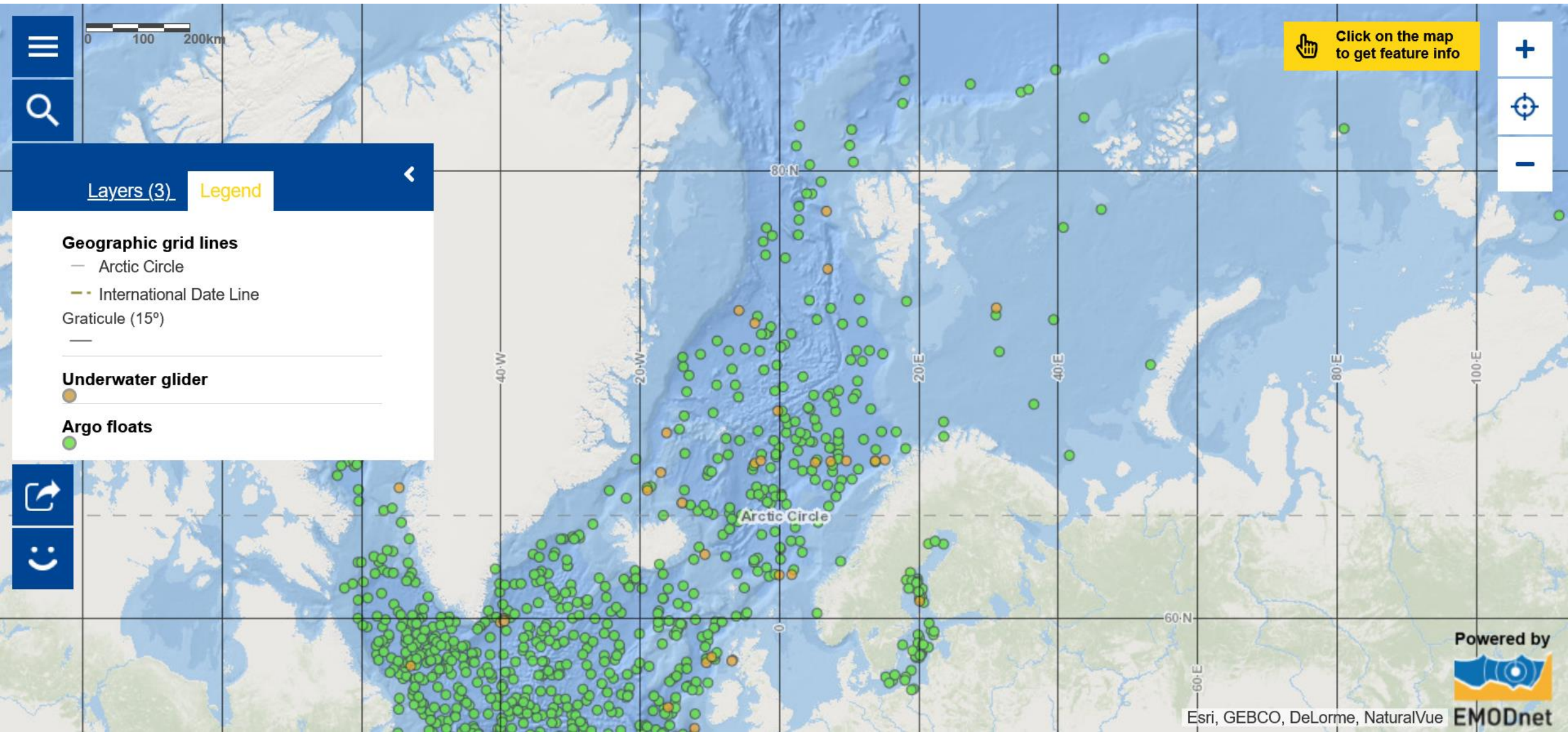
Explore, collate and create your own sea map.
Learn more about Europe's seas and coasts, their environment, related human activities and European policies.

- Do you need help?
- Advanced features
- Atlas overview
- New Atlas functions ^{v6}
- Teachers corner
- Legal notice

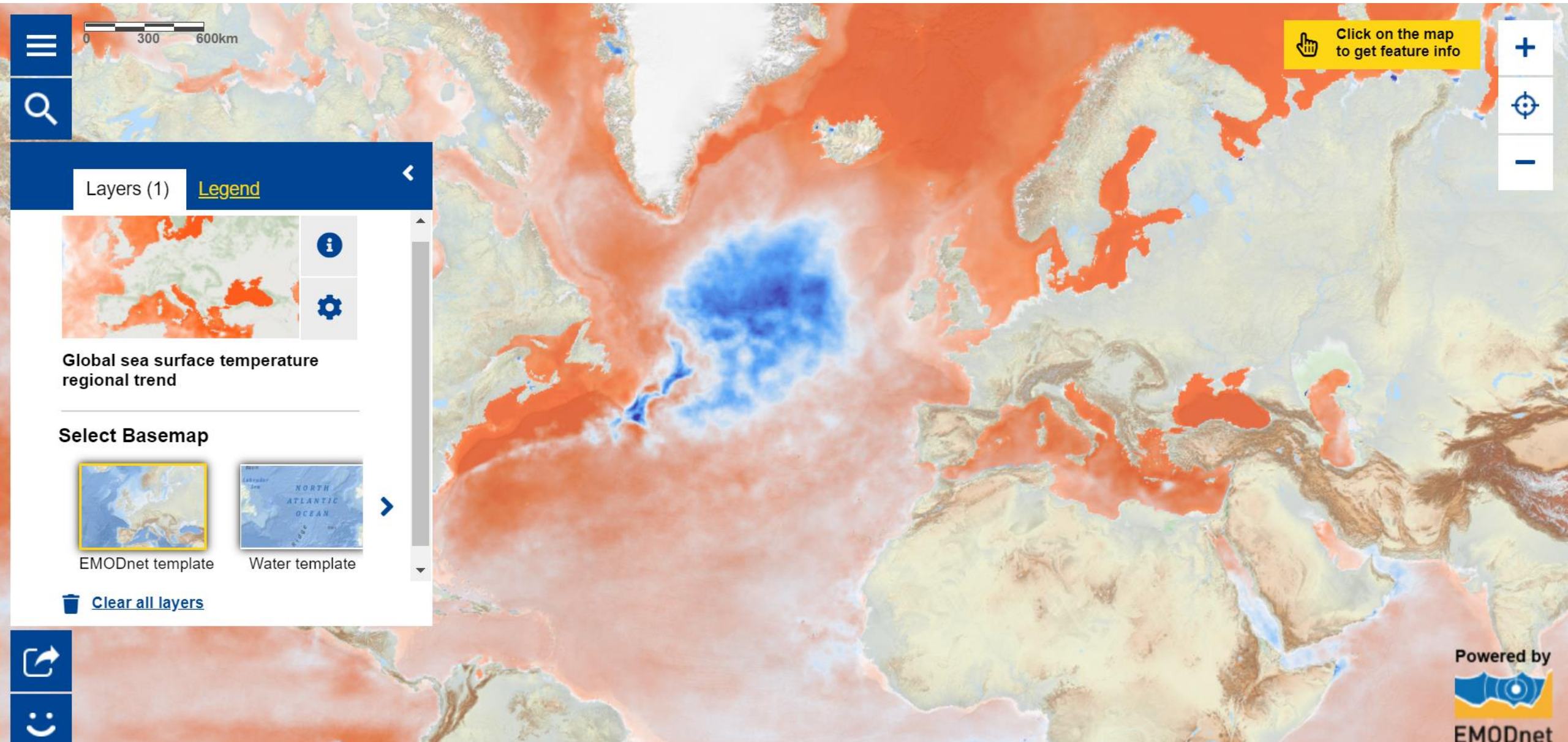
Powered by EMODnet

© European Union, 1995-2021 and EuroGeographics for the Administrative boundaries

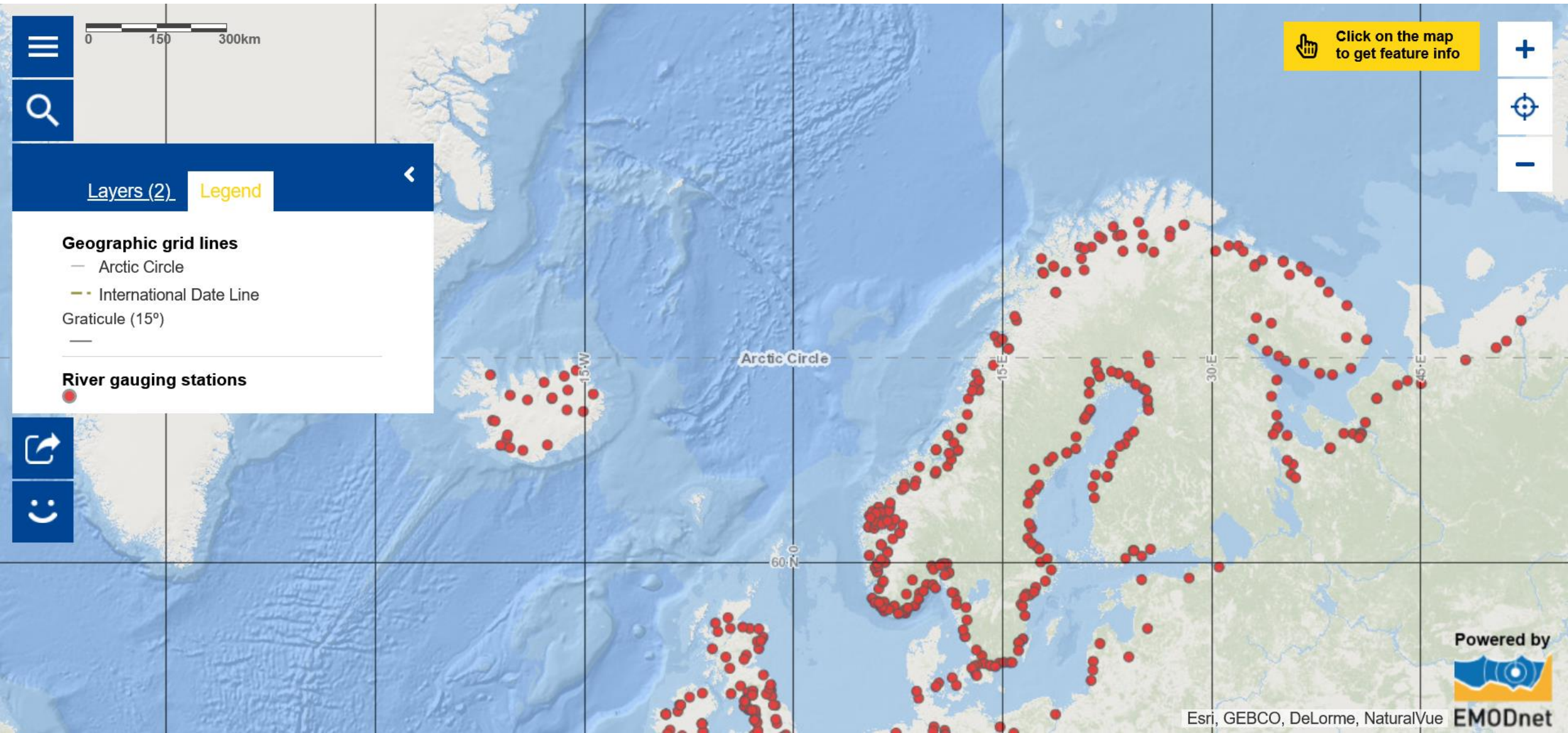
Oceanographic instruments



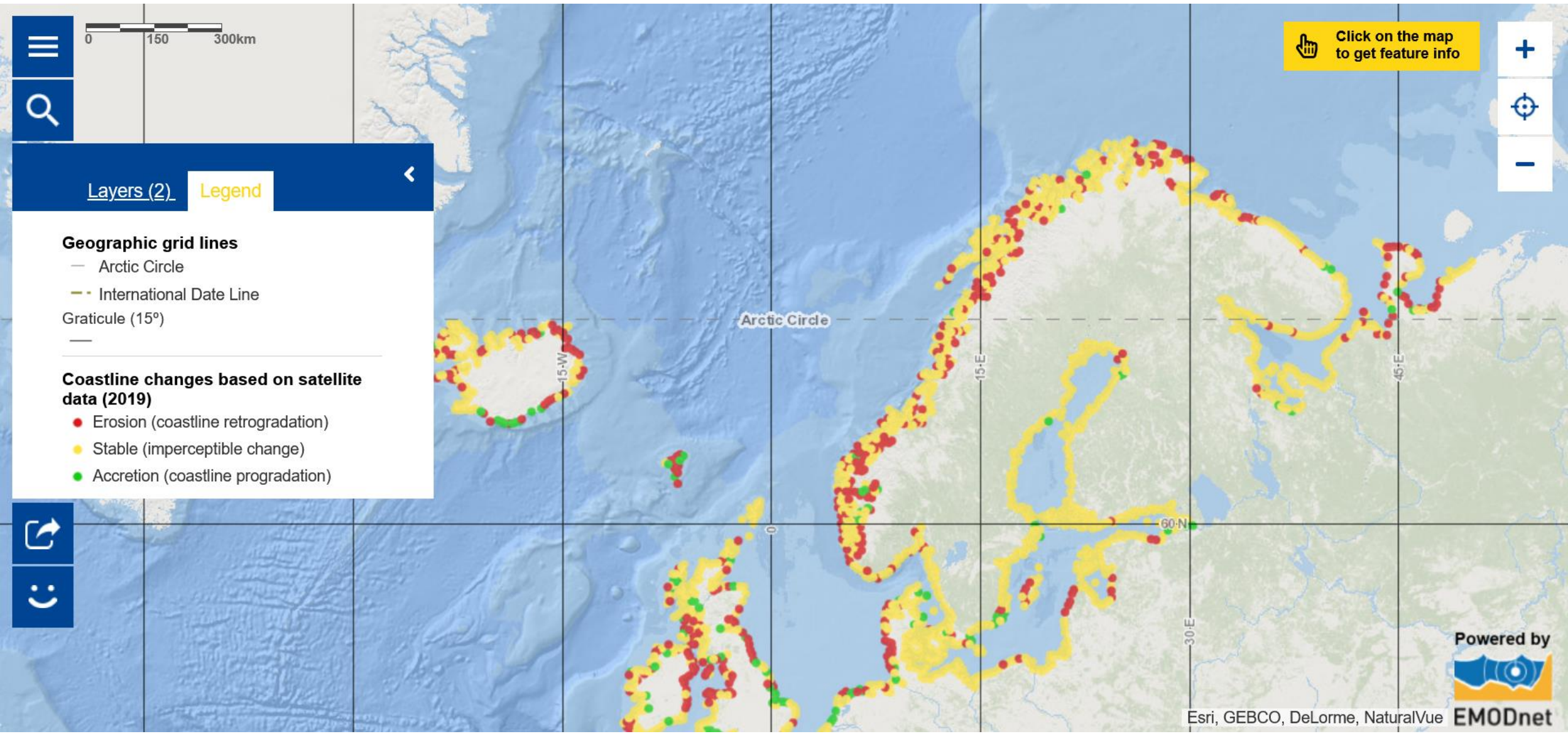
The ocean is warming and land ice is melting



River gauging stations

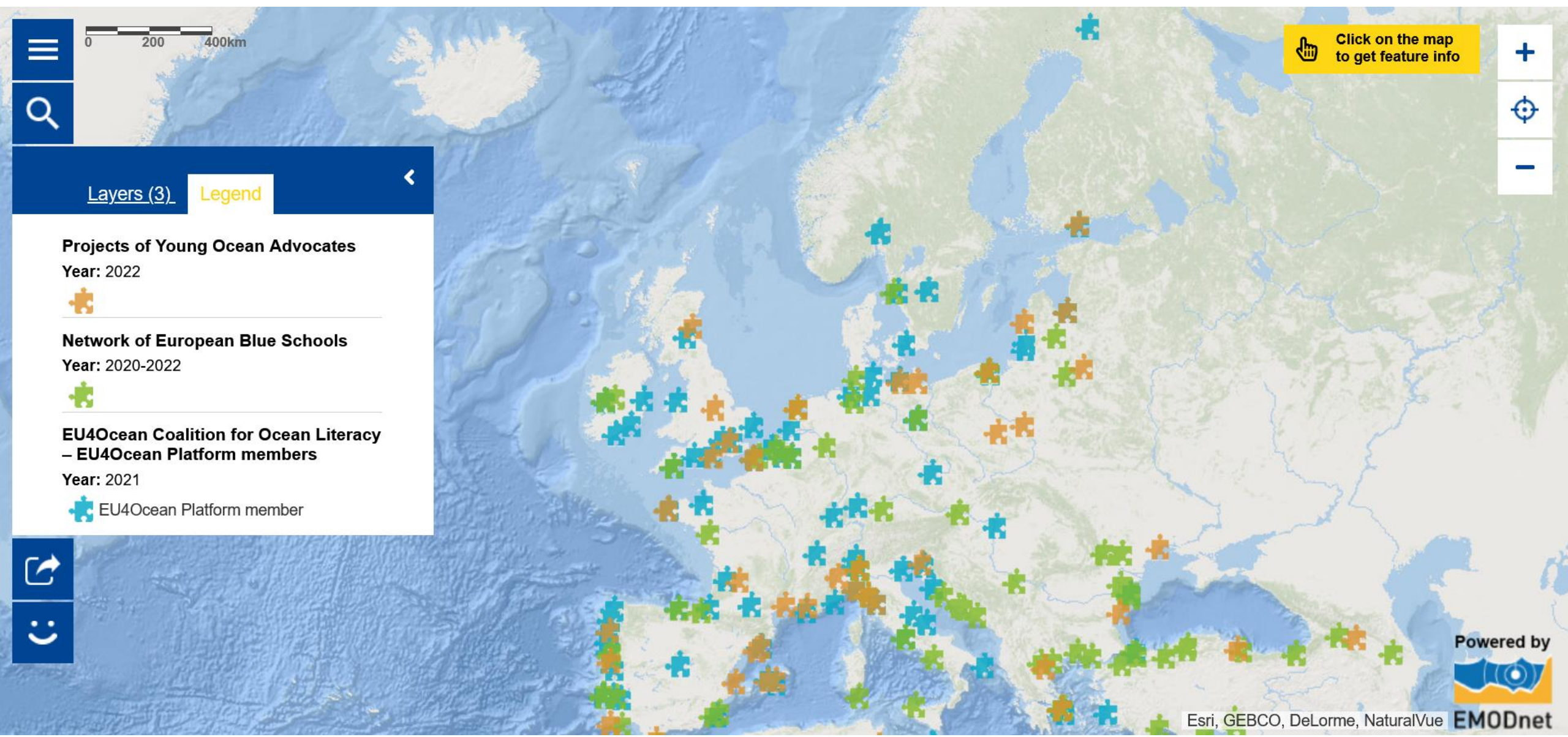


Coastline changes based on satellite data



Ocean Literacy – Join the EU4Ocean Coalition!

www.eu-oceanliteracy.eu



EMODnet Sea Ice Arctic



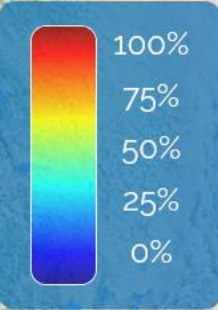
EMODnet

PHYSICS

Oceans Physics at your fingertips

- Ice Concentration
- Ice Edge
- Ice Type

SEA ICE ARCTIC



Navigation controls including back, forward, and play buttons, a timestamp of 2022-03-29T00:00:00.000Z, and a horizontal slider bar.

7 Days 60 Days 1 Year 10 Years All Time

Map navigation controls including a plus sign for zoom in and a minus sign for zoom out.

Follow the European Atlas of the Seas on Twitter

← **European Atlas of the Seas**
1,554 Tweets



European Atlas of the Seas
@EuropeAtlasSeas

@EU_Commission tool to explore, collate & create marine maps in 24 languages!
Learn more about 🇪🇺 seas & coasts. Account managed in cooperation with @EU_MARE.

🔗 ec.europa.eu/maritimeaffairs/ 📅 Joined September 2013

Follow

📌 Pinned Tweet

European Atlas of the Seas @EuropeAtlasSeas · Feb 7
DYK that @EuropeAtlasSeas #maps are available in 24 languages?

To change the language:

- open the menu
- click on 'English'
- select the language in the list

european-atlas-of-the-seas.eu

🌐 🗺️ 📖 📱 📧

#OceanLiteracy #multilingualism #education #EUBlueSchools



EU Maritime & Fish and 9 others

🗨️ 5 ❤️ 6 ↗️

@EuropeAtlasSeas
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Icebergs in Disco Bay, Greenland
Source: <http://www.grida.no/resources/3637> Credit: Peter Prokosch

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