

# The European Atlas of the Seas

[www.european-atlas-of-the-seas.eu](http://www.european-atlas-of-the-seas.eu)

Mediterranean Ocean Literacy festival  
25/09/2021

0 300 600km



Where is coastal erosion taking place? Does it affect us?

Where can I visit an aquarium?

What is the closest river to where I live? How far is it? How is it linked to the sea?

What type of litter can be found in the sea? What can we do about it?

How many tons of fishery products are caught by year in my country?

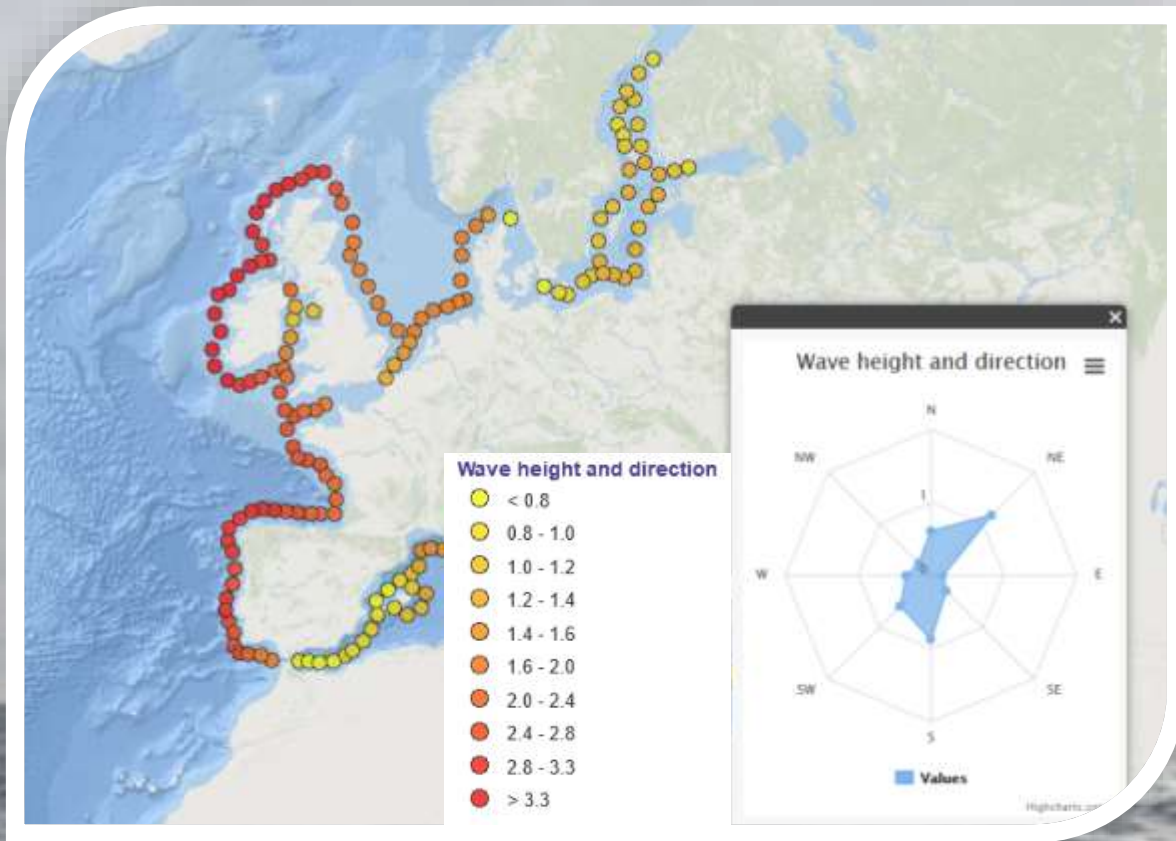
How do we know what we know about the ocean? What kind of instruments are used to collect information at sea? Where are they deployed?

# European Marine Observation and Data Network



[www.emodnet.eu](http://www.emodnet.eu)

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**How good is the water quality at this beach?**

# 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**
- **285 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



[www.european-atlas-of-the-seas.eu](http://www.european-atlas-of-the-seas.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**

# 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. A red dashed circle highlights the top navigation bar, which includes the European Commission logo, a help icon, the language 'English EN', 'Follow us' with social media icons, and 'Give feedback' with a smiley face icon. Below this, the breadcrumb 'European Commission > Maritime Affairs > European Atlas of the Seas' is visible. The main heading 'European Atlas of the Seas' is accompanied by an information icon and a sub-heading 'Explore, collate and create your own sea map. Learn more about Europe's seas and coasts, their environment, related human activities and European policies.' A grid of six blue buttons is shown below: 'Do you need help?' (with a question mark icon), 'Advanced features' (with a gear icon), 'Atlas overview' (with a globe icon), 'New Atlas functions' (with a lightbulb icon and a yellow starburst 'v6'), 'Teachers corner' (with a person and screen icon), and 'Legal notice' (with a speech bubble icon). Red dashed circles also highlight the 'Do you need help?' button, the 'Atlas overview' button, and the 'Teachers corner' button. The background is a satellite map, and the bottom right corner features the 'Powered by' logo for EMODnet, listing Esri, GEBCO, DeLorme, and NaturalVue.

# How does it work?

български	latviešu
čeština	lietuvių
dansk	magyar
Deutsch	Malti
eesti	Nederlands
ελληνικά	polski
<b>English</b> ✓	português
español	română
français	slovenčina
Gaeilge	slovenščina
hrvatski	suomi
italiano	svenska

# How does it work?

English EN Follow us Give feedback

## Add layers to the map

Search for layers

Predefined maps (19) Layers Map stories

### Algae production

- Microalgae production facilities *i*
- Microalgae production facilities *i*

### Aquaculture

- Aquaculture production *i*
- Aquaculture production by species *i*

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# How does it work?

0 200 400km

Click on the map to get feature info

Layers (2) Legend

Microalgae production facilities

Macroalgae production facilities

Clear all layers

EMODnet

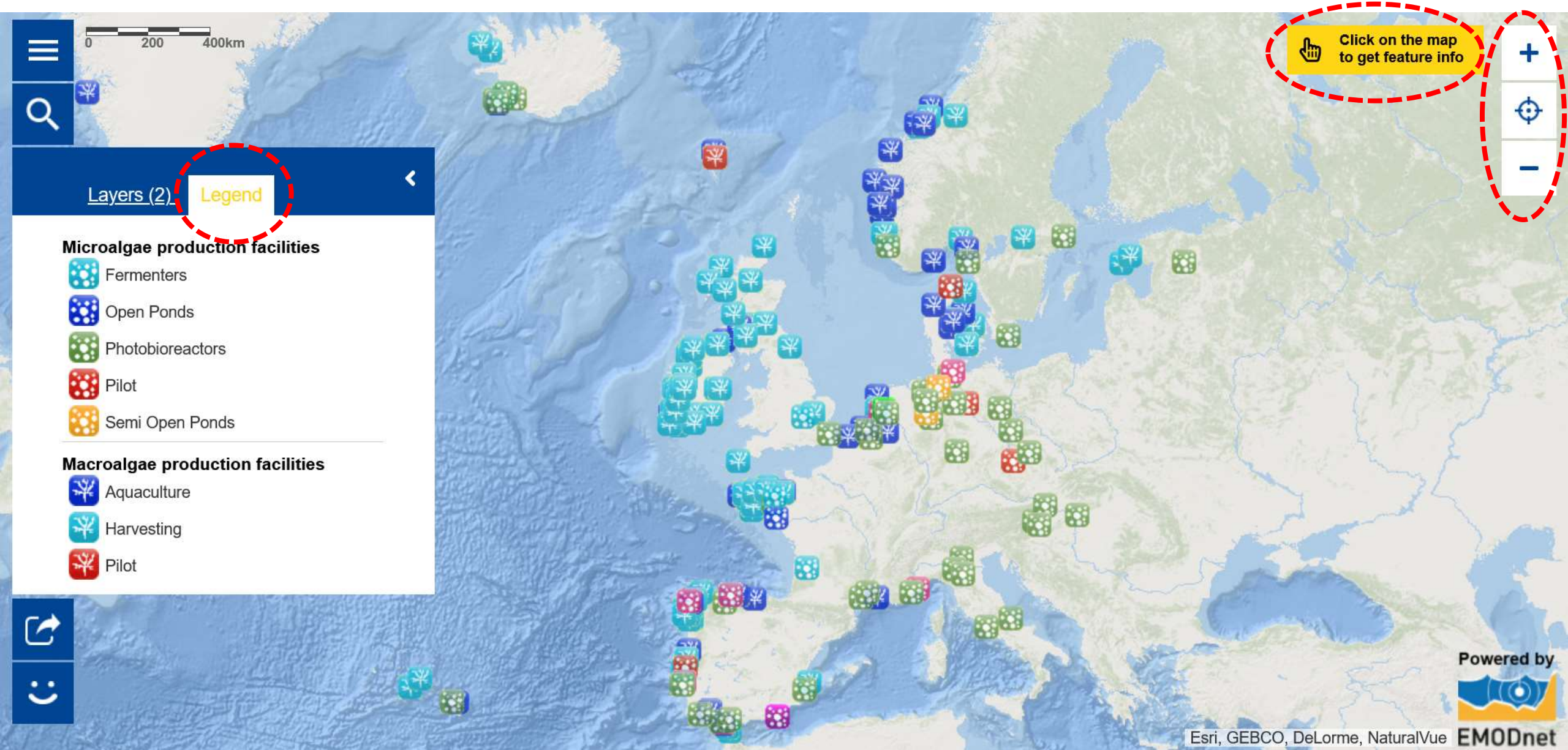
This map shows the microalgae-producing facilities by production methods (photobioreactors, open ponds, fermenters, photobioreactors and open ponds, photobioreactors and fermenters). Data have been collected in the following countries: Belgium, Denmark, Estonia, France, Germany, Ireland, Italy, Norway, Portugal, Spain, Sweden, and UK. Microalgae are microscopic plants, typically found in freshwater and marine systems, living in both the water column and sediment. Harvesting, cultivating, or processing algae to create high-value products can make an invaluable contribution to a cleaner and healthier environment. Therefore, the production of algae is an important part of the "blue bioeconomy".

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# How does it work?



# How does it work?

The screenshot displays a web application interface with a top navigation bar and a main content area. The top bar includes a logo, a help icon, language selection (English EN), social media links (Follow us), and a feedback icon. The main content area is titled "Advanced features" and contains two toggleable options:

- Print tool**: Printing service to allow the current map to print. The toggle switch is currently turned on.
- Measures tool**: Tool to determine areas, distances and coordinates. The toggle switch is currently turned on.

Red dashed circles highlight the menu icon in the top-left corner, the print and measure icons in the top-right corner, and the two toggle switches in the main content area.

# How does it work?

The screenshot shows a web application interface for printing a map. At the top, there is a navigation bar with the European Union flag, a help icon, language selection (English EN), social media links (Follow us), and a feedback link (Give feedback). Below this is a dark blue header with the word "Print".

The main content area is divided into two sections. On the left, a map titled "EUROPEAN ATLAS OF THE SEAS" is displayed. The map shows Europe with various colored icons (blue, green, red) and a scale bar at the bottom indicating 0, 2000, and 4000 km. The date "May 27, 2021" and the scale "1:147.914.381" are also visible. Below the map is a "Next >" button.

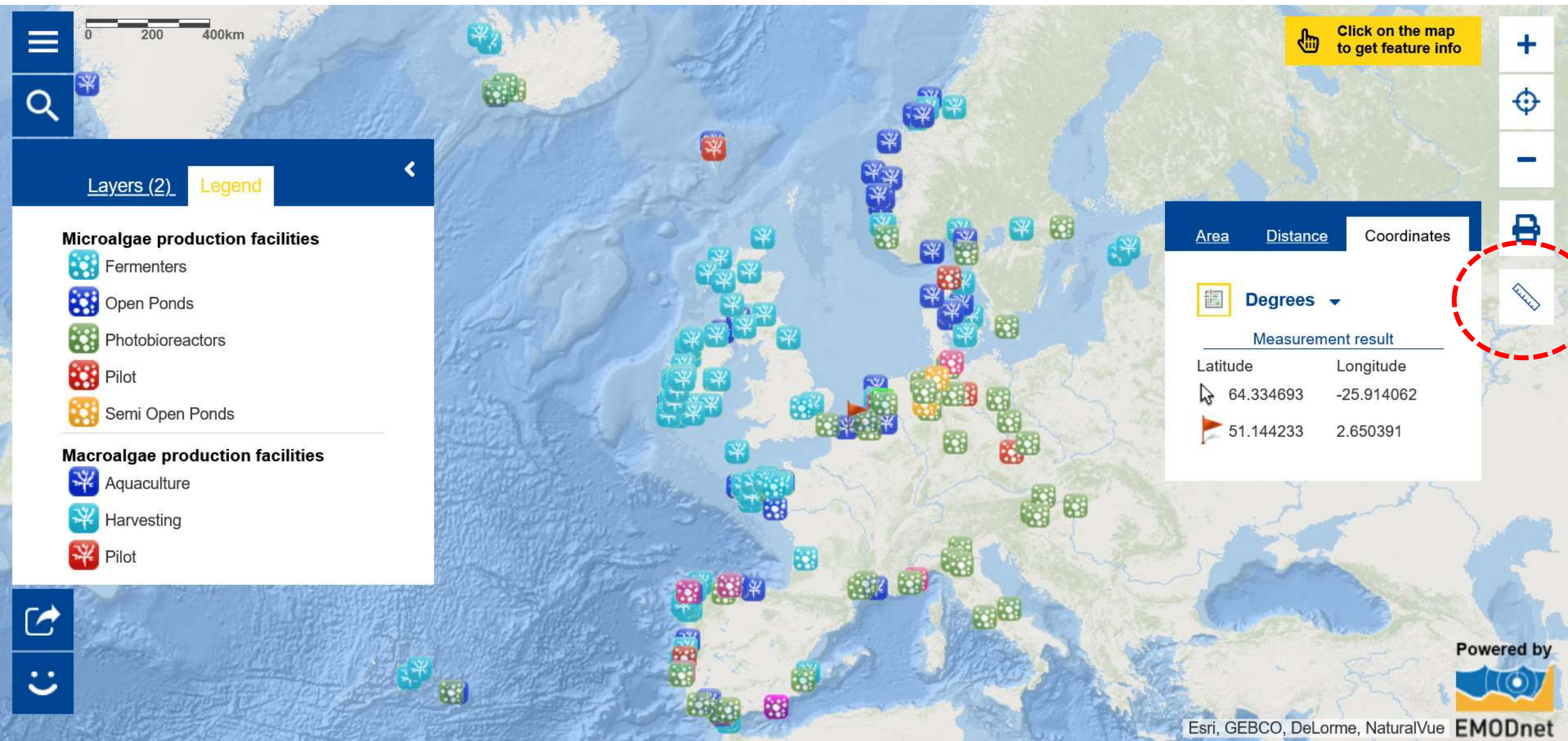
On the right, there are print settings:

- Paper size:** A dropdown menu set to "A3 Landscape".
- Format:** Radio buttons for "PDF" (selected) and "JPG".
- Include legend**
- Layers for print >**
- Map title:** A text box containing "EUROPEAN ATLAS OF THE SEAS".
- Scale:** A dropdown menu set to "1 : 147.914.381".

On the far left, a vertical toolbar contains several icons, with the print icon (a square with a printer) circled in red. On the far right, another vertical toolbar contains a print icon also circled in red. The bottom right corner features the text "Powered by" above the "EMODnet" logo, with "Esri, GEBCO, DeLorme, NaturalVue" listed below it.



# How does it work?





European Commission > Maritime Affairs > European Atlas of the Seas

## European Atlas of the Seas

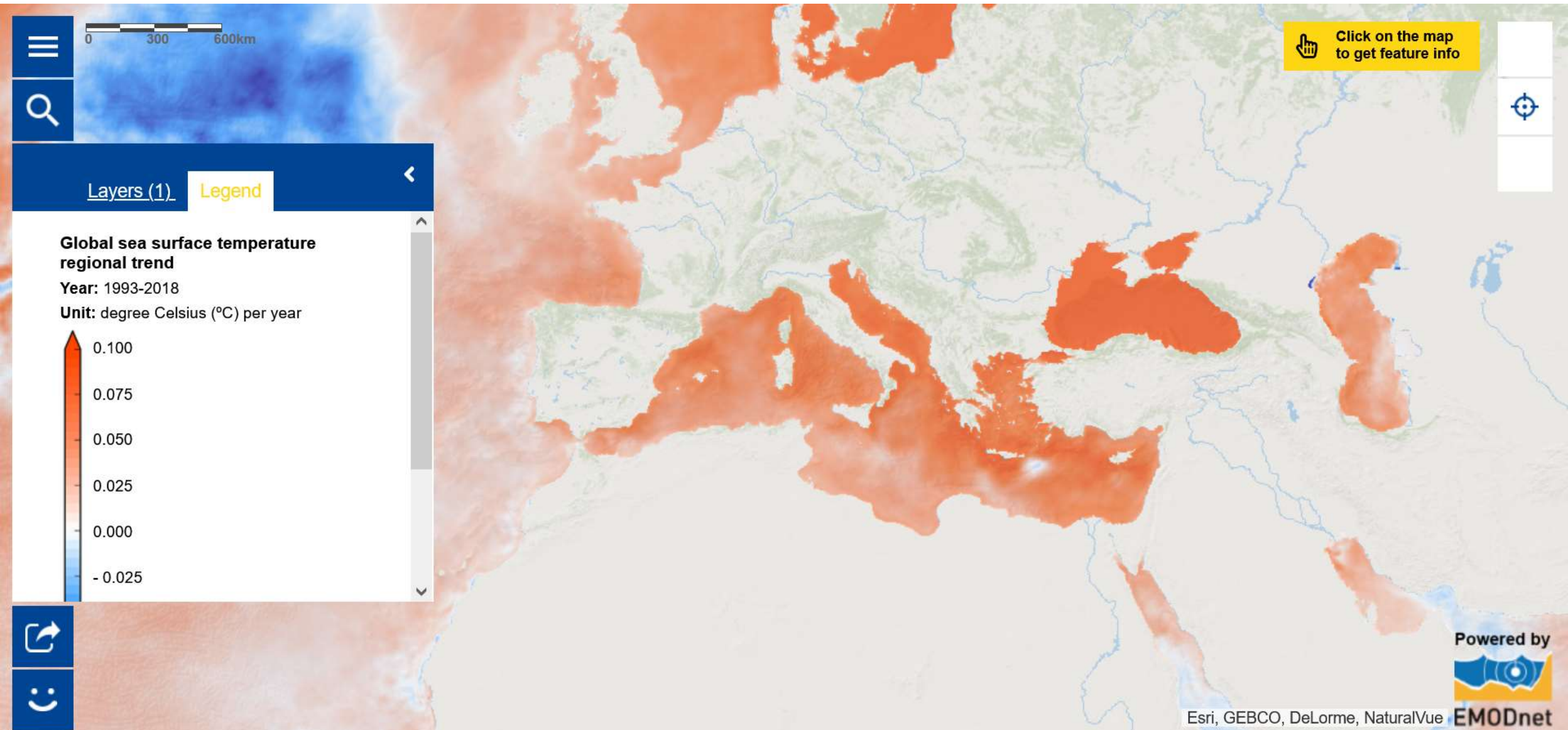
Explore, collate and create your own sea map.  
Learn more about Europe's seas and coasts, their environment, related human activities and European policies.

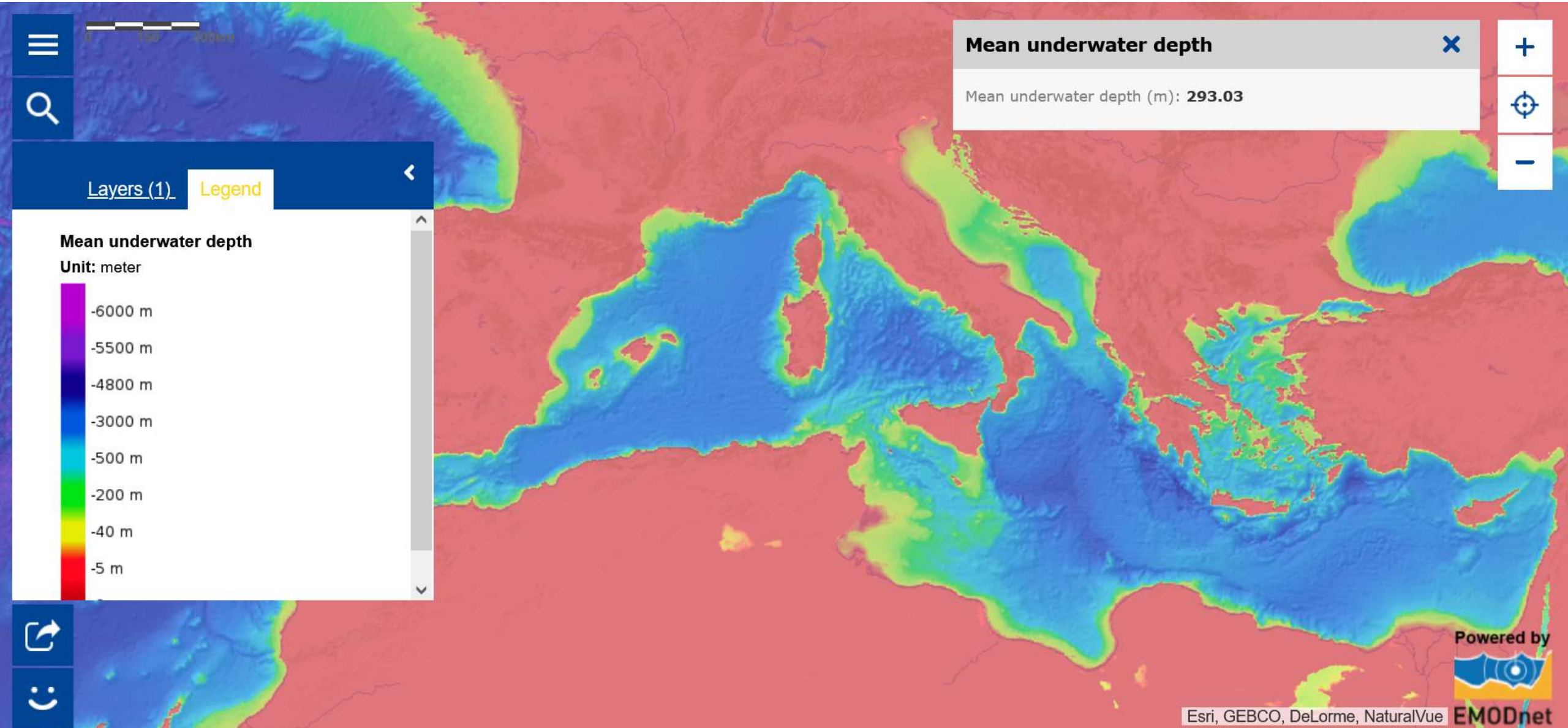
- Do you need help?
- Advanced features
- Atlas overview
- New Atlas functions <sup>v6</sup>
- Teachers corner
- Legal notice

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









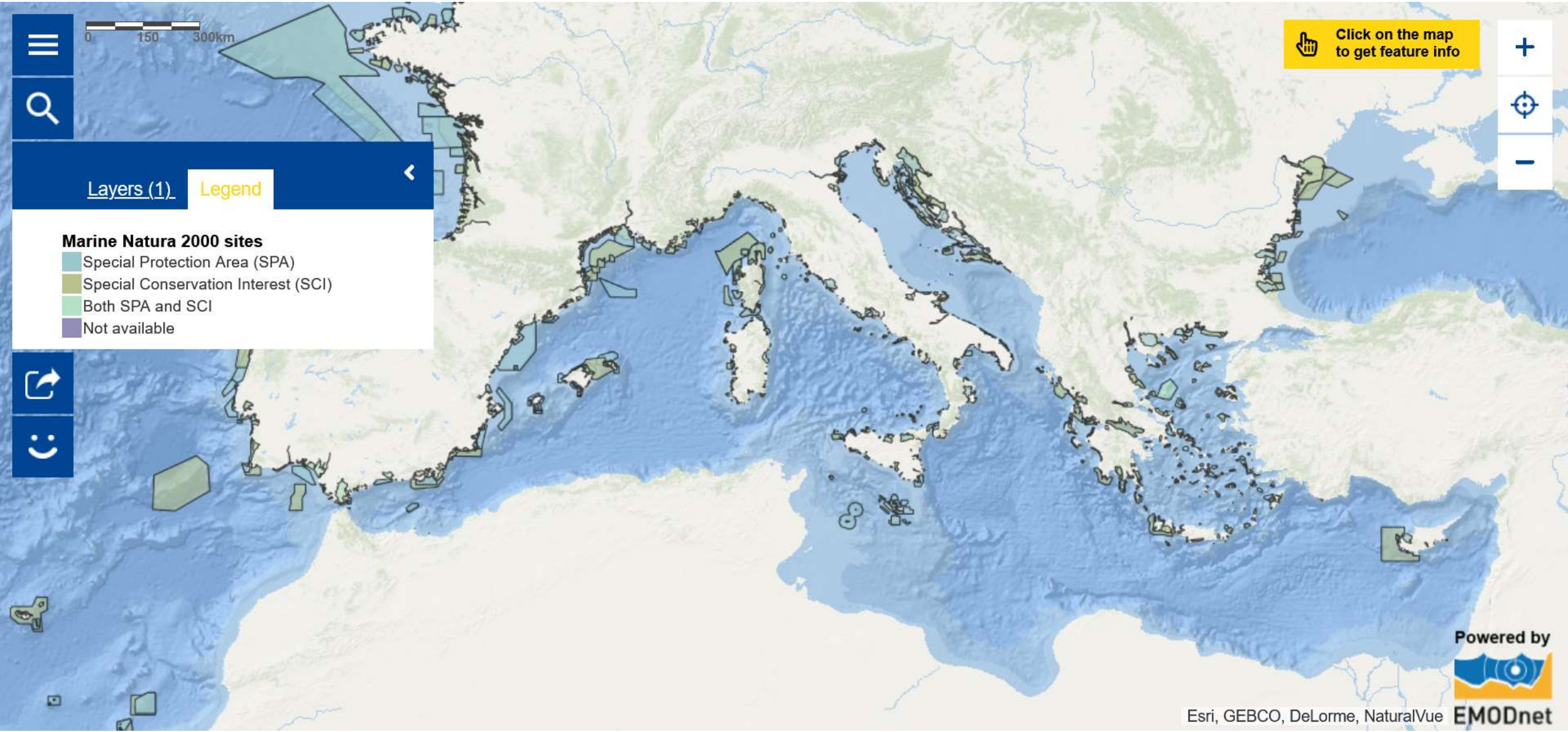
Layers (1)

Legend

**Submarine volcanoes**

- volcanic system
- bank
- caldera / tuff cone
- composite
- composite, caldera
- composite, cone
- cone
- cone, caldera
- cone, fissure vent
- cone, shield, fissure vent, caldera
- fissure vent
- guyot
- hill

Click on the map to get feature info



Click on the map to get feature info

Map navigation controls: zoom in (+), home (target icon), zoom out (-).

Layers (1)

Legend

**Marine Natura 2000 sites**

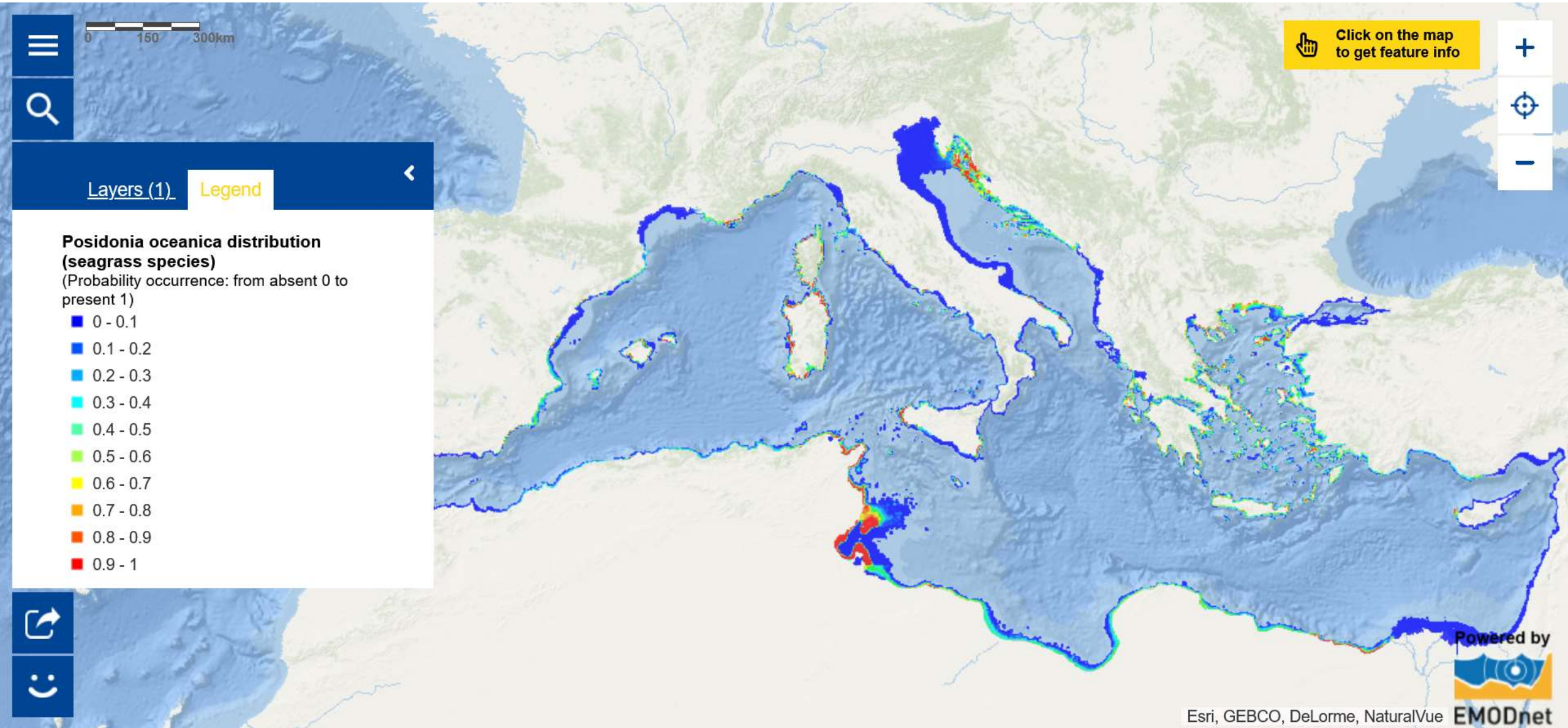
- Special Protection Area (SPA)
- Special Conservation Interest (SCI)
- Both SPA and SCI
- Not available

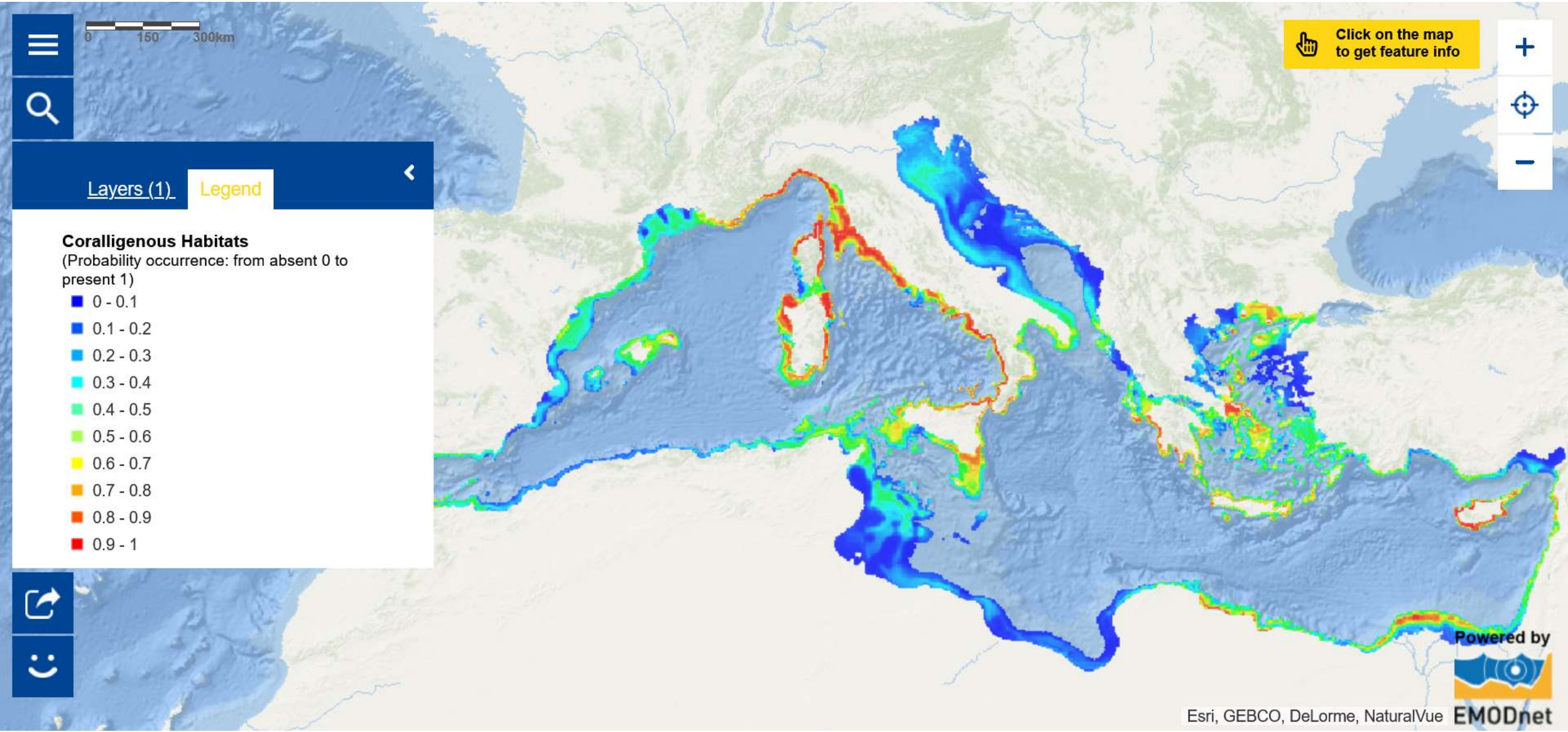
Powered by



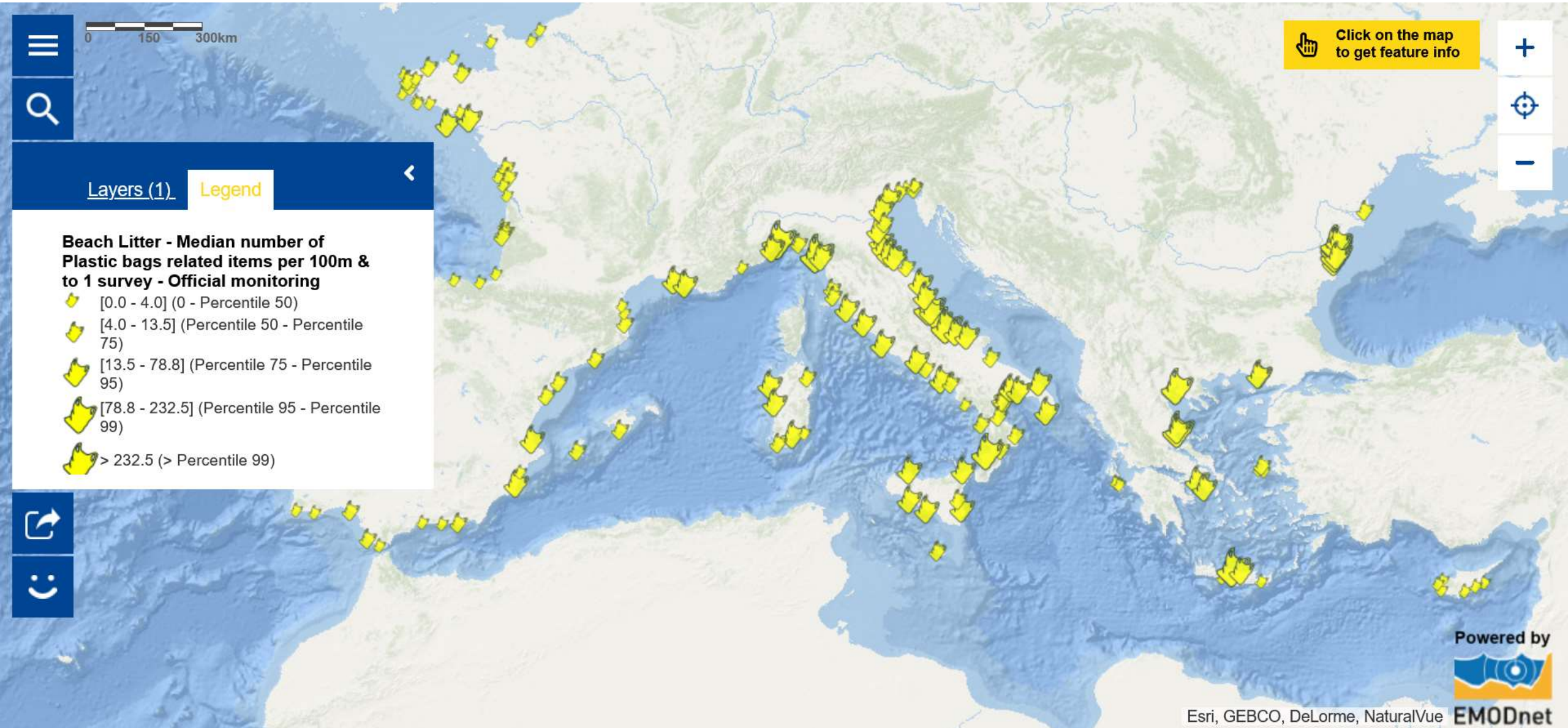
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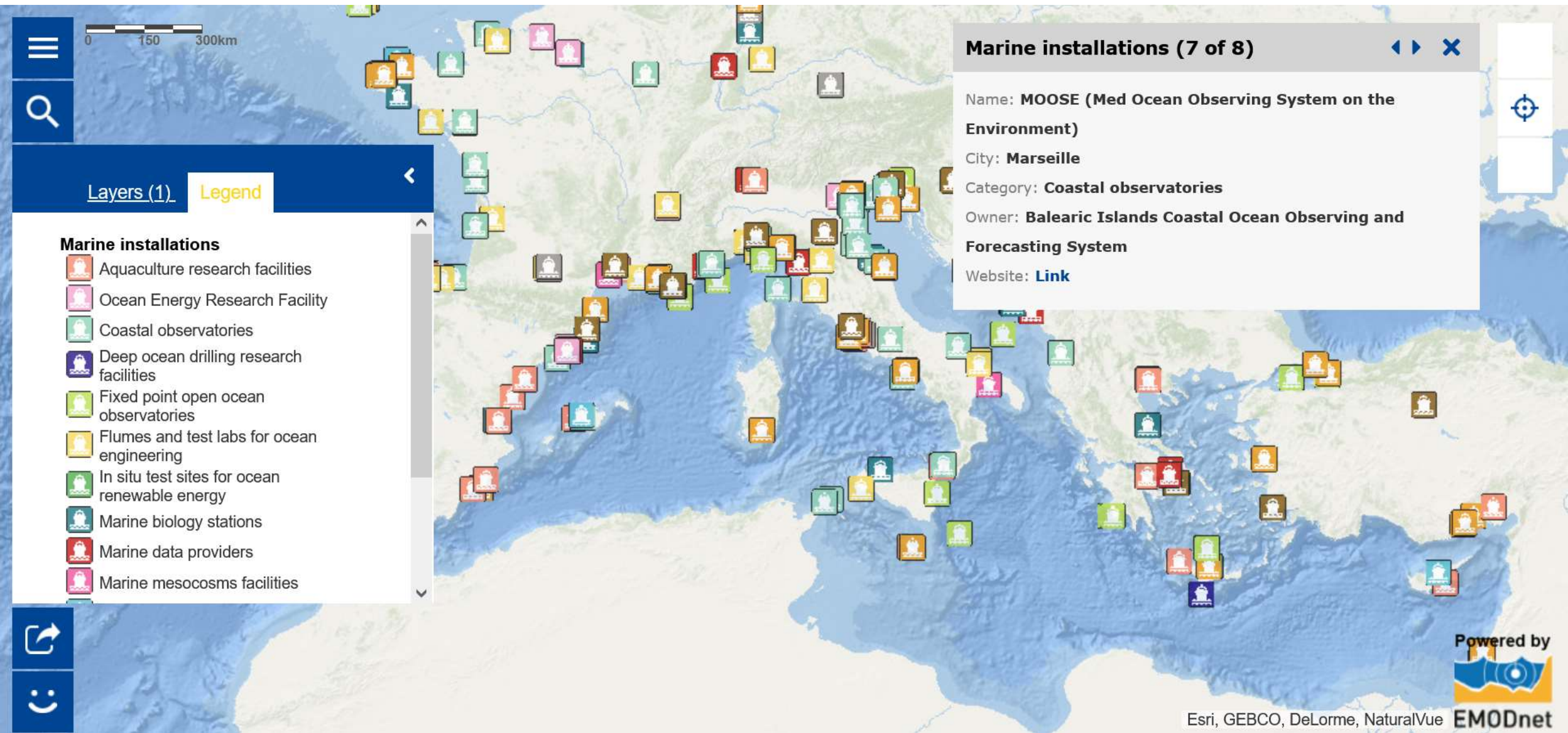
EMODnet

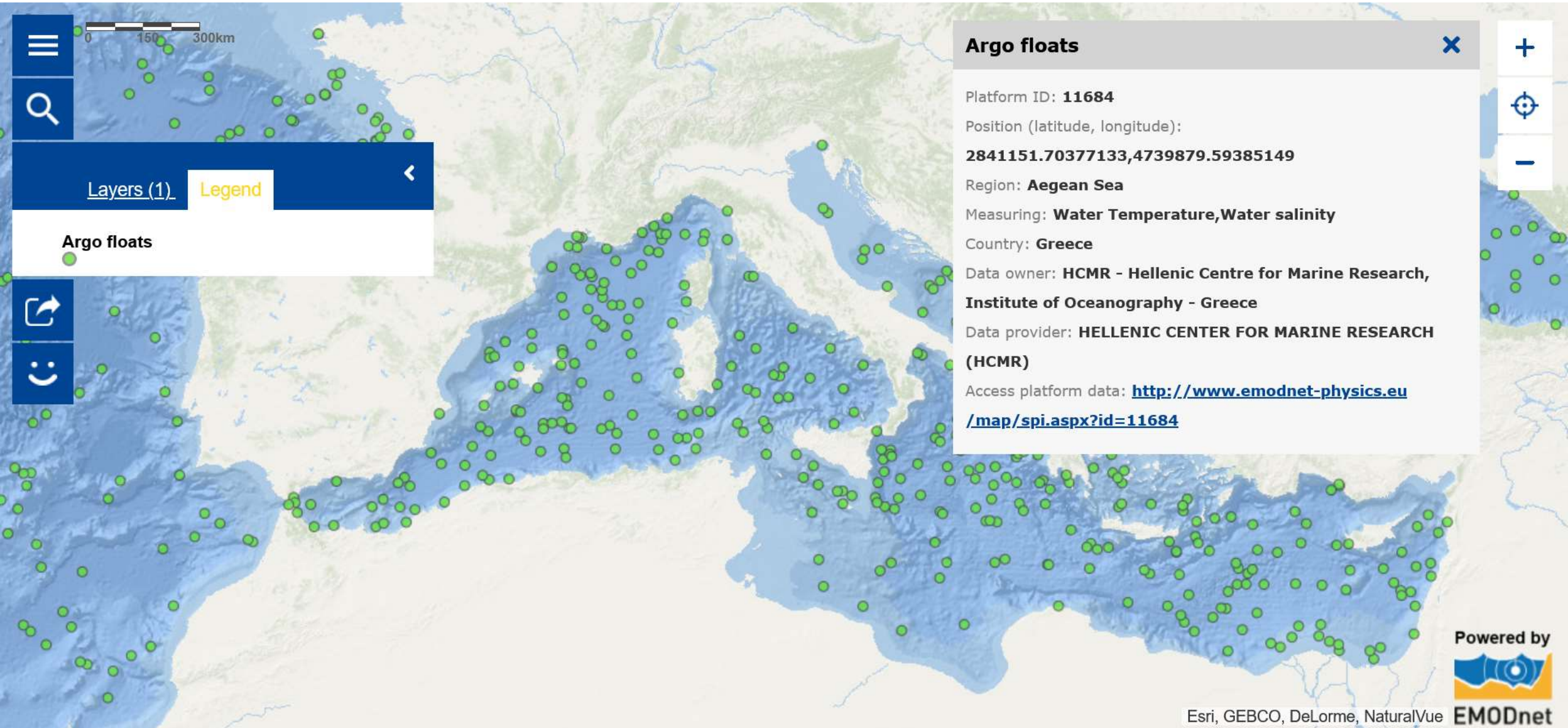












### Argo floats

Platform ID: **11684**

Position (latitude, longitude):

**2841151.70377133,4739879.59385149**

Region: **Aegean Sea**

Measuring: **Water Temperature, Water salinity**

Country: **Greece**

Data owner: **HCMR - Hellenic Centre for Marine Research, Institute of Oceanography - Greece**

Data provider: **HELLENIC CENTER FOR MARINE RESEARCH (HCMR)**

Access platform data: <http://www.emodnet-physics.eu/map/spi.aspx?id=11684>



Esri, GEBCO, DeLorme, NaturalVue





Layers (1)

Legend

European Maritime Day in My Country  
2021

Year: 2021



Click on the map  
to get feature info

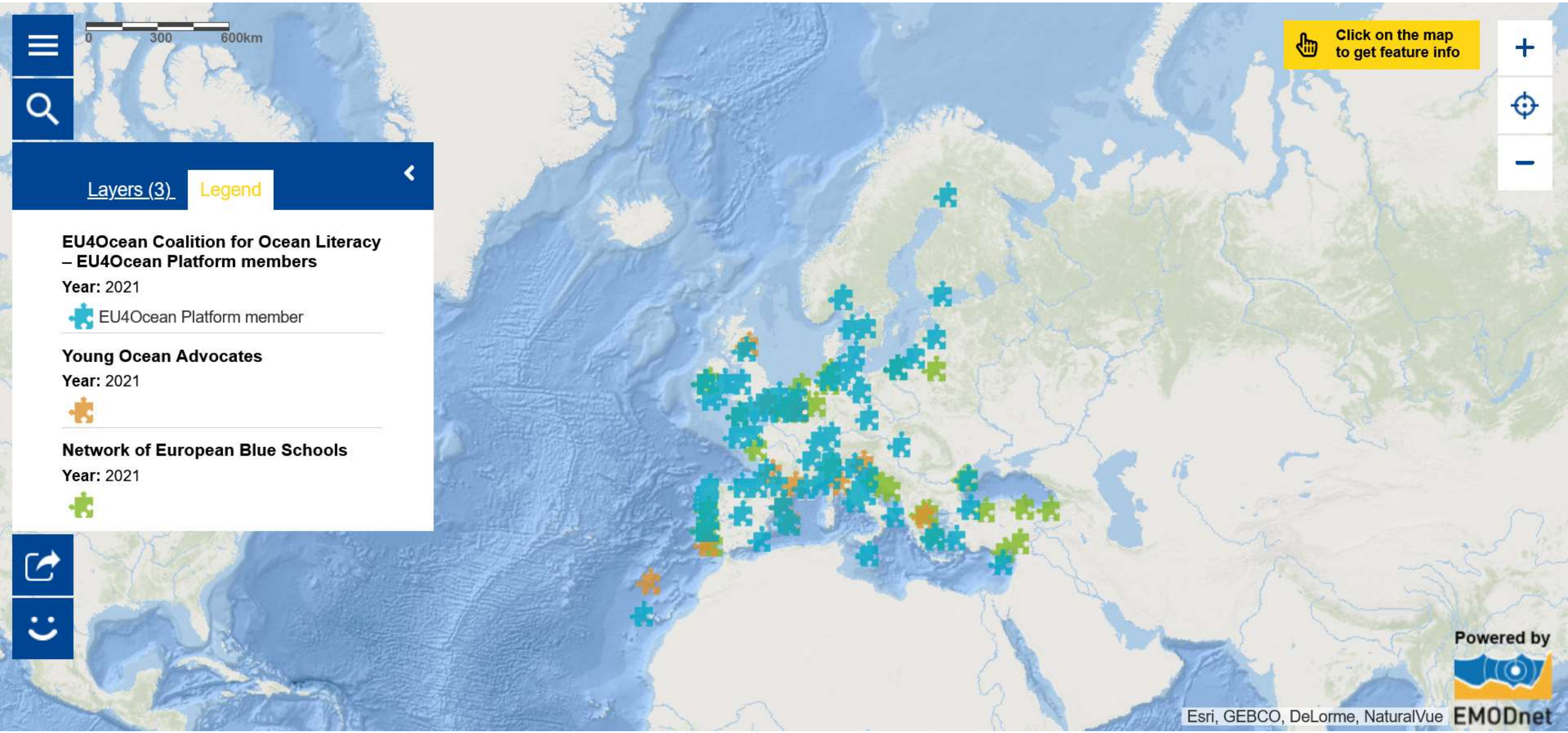
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*The European Atlas of the Seas, under the responsibility of the EMODnet Secretariat, pledges to further promote and expand open access to maps covering a wide range of marine topics to the benefit of ocean literacy, education and sustainable development of our ocean, seas and coasts.*

[www.european-atlas-of-the-seas.eu](http://www.european-atlas-of-the-seas.eu)

#MakeEUBlue

#ExploreYourOcean





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