



Credits: Pexels, Thirdman

#LearnWithTheAtlas

Atlas Online workshop

4 December 2024

18:00 - 19:30 (CET)





Credits: Pexels, Thirdman

Part 1 Presentation

18:00 - 19:00

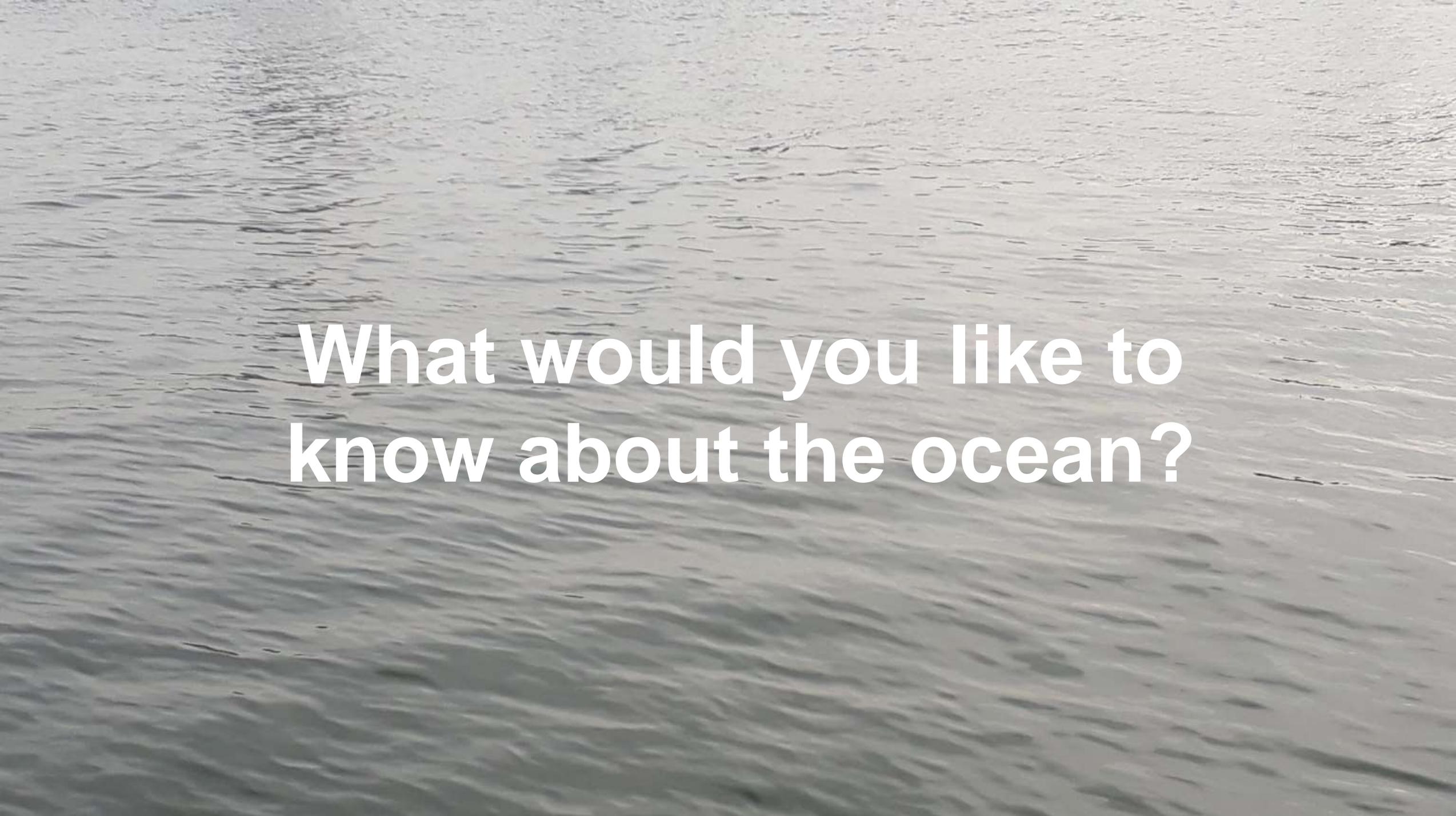


Introduction



- Please note that the presentation is being **recorded**.
- A **screenshot** will be taken during the meeting and published to illustrate an article on the European Atlas of the Seas website. Please ensure your video is turned off if you do not wish to be seen!
- Please keep yourself **muted** during the presentation.
- Use the **Chat Box** for any questions or comments.
- During the **discussion**, please turn on your microphone when you are given the floor and stick to short and specific remarks/questions so that everyone can participate in the discussion.





**What would you like to
know about the ocean?**

European Marine Observation and Data Network

emodnet.ec.europa.eu



What is the European Atlas of the Seas?



Tourism



Nature



Sea life



Transport



Sea bottom



Energy



Security



Fishing stocks and quota



Aquaculture



Employment

- Interactive learning tool
- Initiative of the European Commission
- More than 270 interactive map layers
- Identified data sources
- Custom maps
- Easily accessible
- 24 official languages
- Print & embed tools



How does it work?

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

24 languages

Menu

English EN

Follow us

Give feedback

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
- Teachers corner
- Legal notice
- Accessibility

Looking for map layers...

The screenshot shows the EMODnet map interface. 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 icon. A search icon is circled in red on the left sidebar. The main panel is titled 'Add layers to the map' and contains a search bar labeled 'Search for layers'. Below the search bar are four tabs: 'Predefined maps', 'Layers', 'Map stories', and 'My maps'. The 'Layers' tab is active, showing a list of layers grouped into four categories: 'Algae production', 'Aquaculture', 'Blue indicators', and 'Climate change'. Under 'Algae production', two layers are checked: 'Macroalgae production facilities' and 'Microalgae production facilities'. A red circle highlights these two checked items, with a red text annotation below it: 'Select one or several map layer(s)'. Other layers in the 'Aquaculture' category include 'Aquaculture production', 'Aquaculture production by species', 'Freshwater finfish farms', 'Seawater finfish farms', and 'Shellfish farms'. The 'Blue indicators' category has 'Employment in coastal tourism' and 'Employment in marine extraction of minerals, oil and gas'. The 'Climate change' category has 'Global mean sea level regional trend' and 'Global sea surface temperature regional trend'. A red 'X' icon is circled in the top right corner of the panel. The background shows a map of the North Atlantic region.

Finding information about the map layer ...

Click on the map to get feature info

Layers (2) Legend

Macroalgae production facilities

Clear all layers

Link to the Data Provider

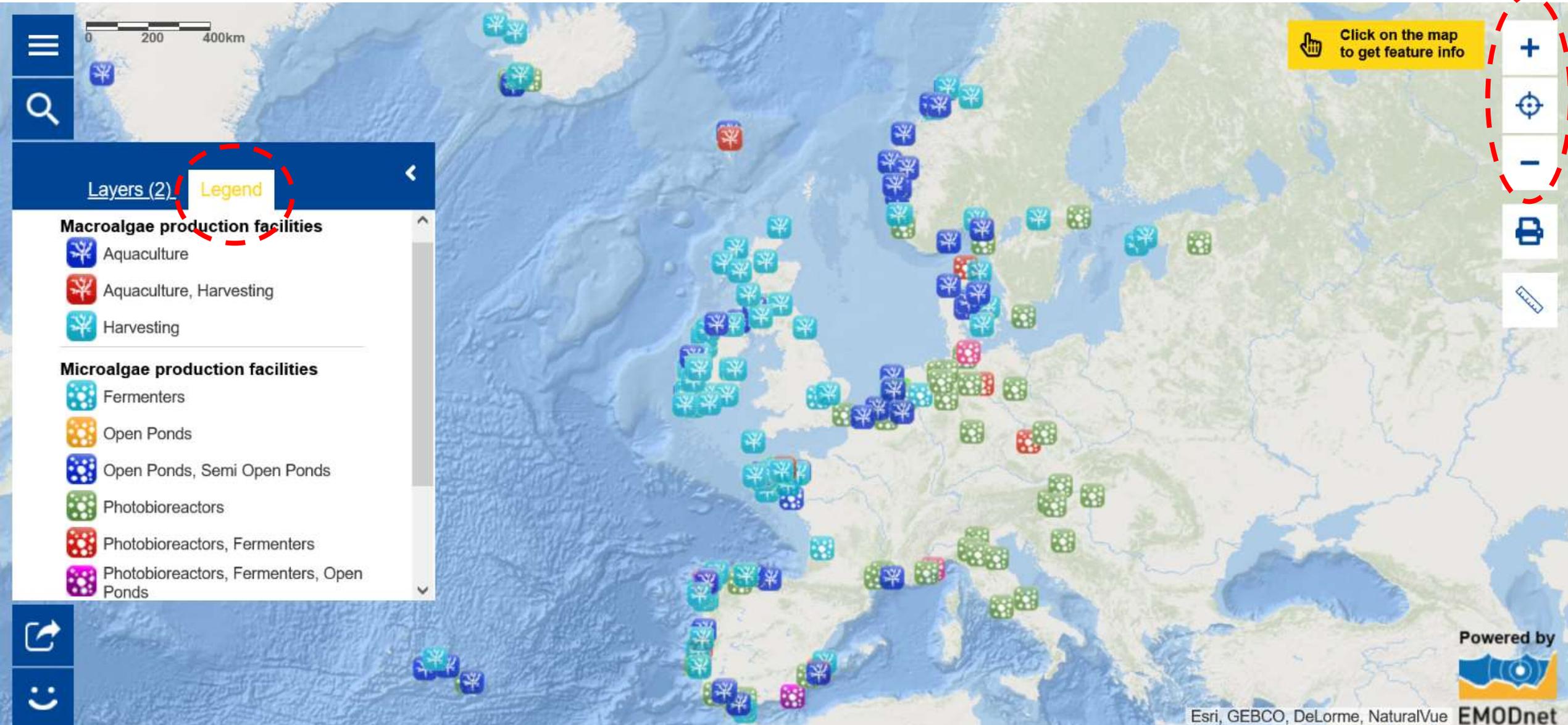
 This map shows macroalgae-producing facilities by production methods (land-based, offshore and coastal aquaculture or harvesting). Data have been collected in the following countries: Belgium, Denmark, Estonia, France, Germany, Ireland, Italy, Norway, Portugal, Spain, Sweden, and UK. Macroalgae, also commonly known as seaweeds, have been part of East and South-East Asian citizens' daily diet for centuries. Nowadays, they are becoming increasingly popular in Europe too for many purposes other than food, as a source material for use in pharmaceuticals, cosmetics, nutrition or energy (biofuel). Companies across Europe are now harvesting, cultivating, or processing them to create high-value products.

Powered by  EMODnet

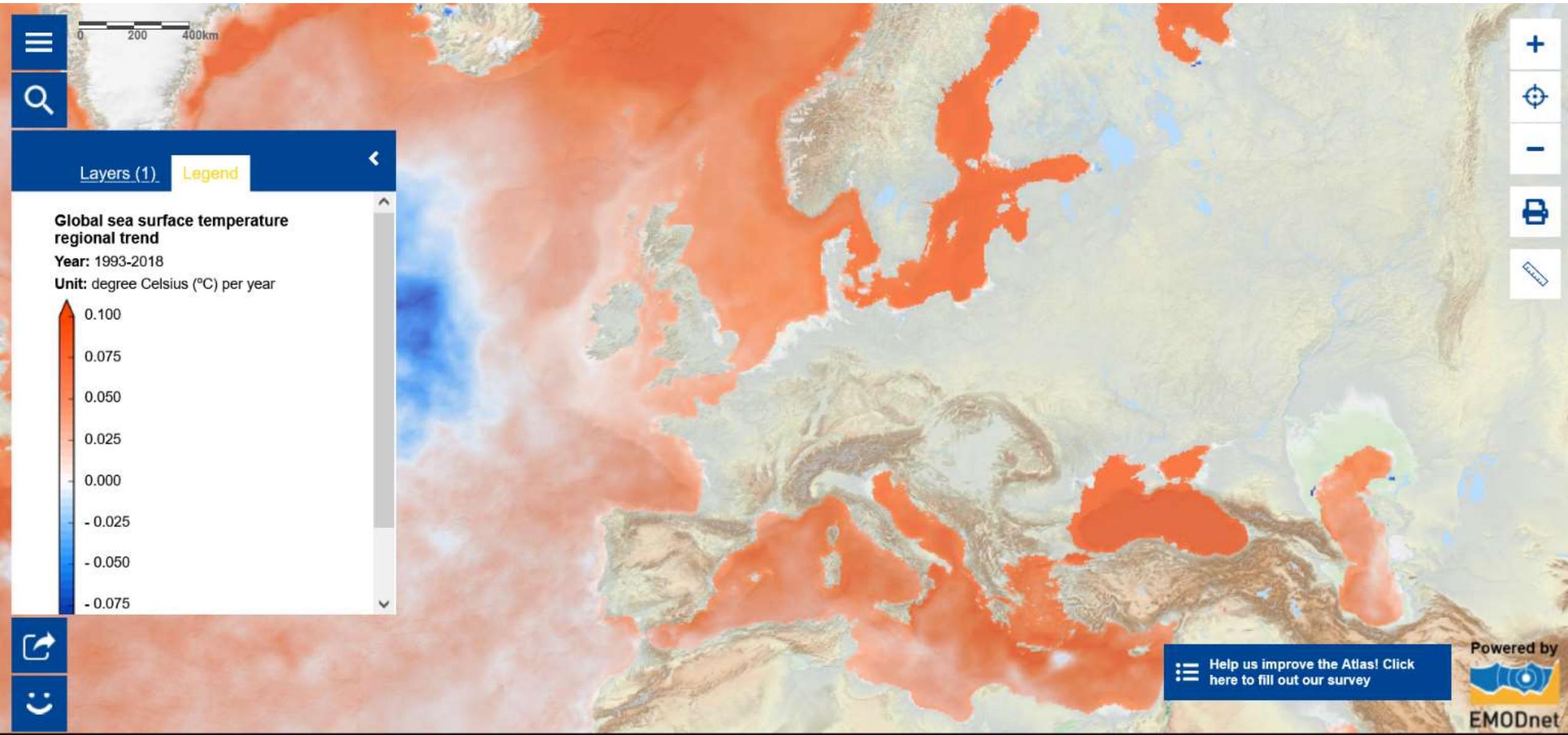
Esri, GEBCO, DeLorme, NaturalVue

Reading the legend, zooming in and out ...

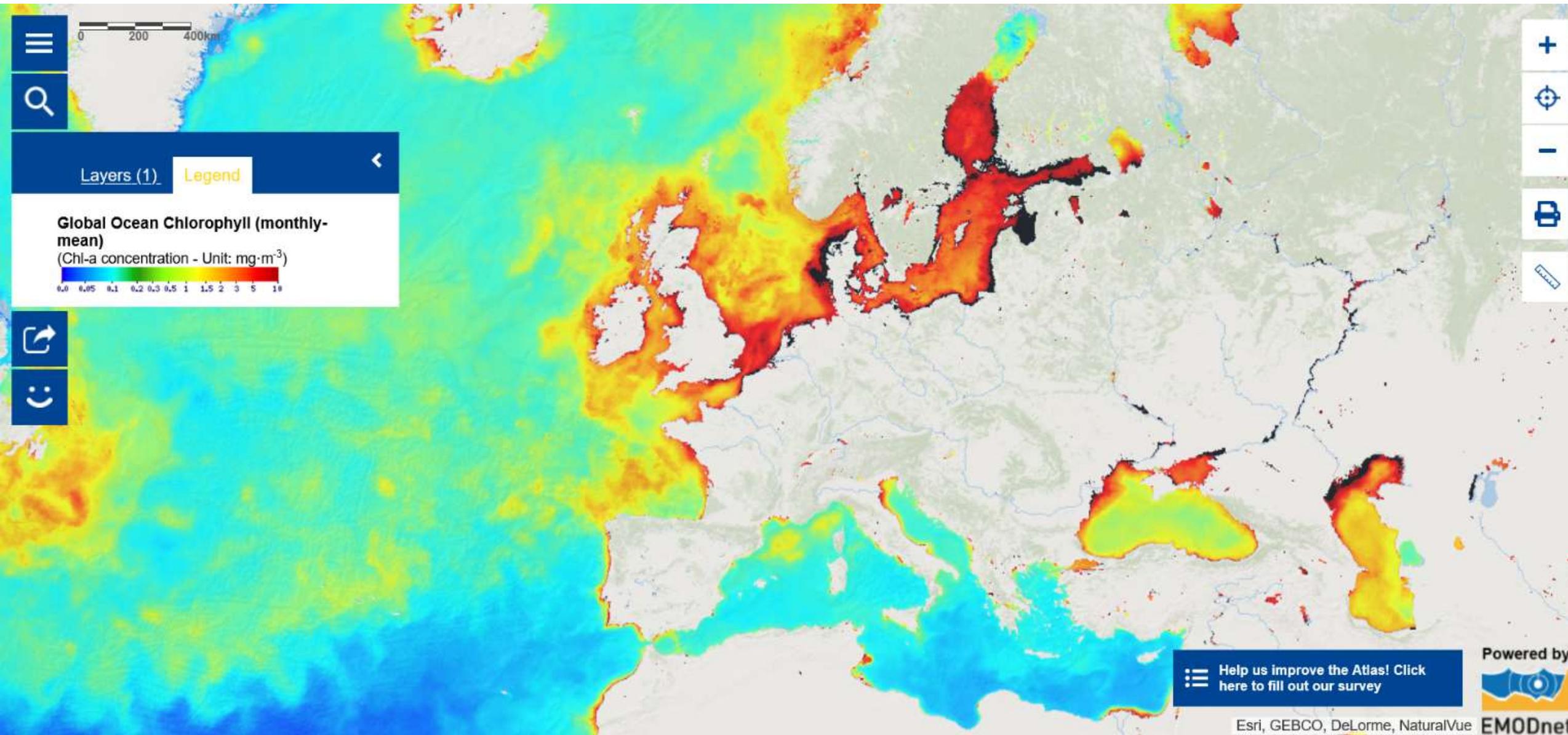
Zoom in /out



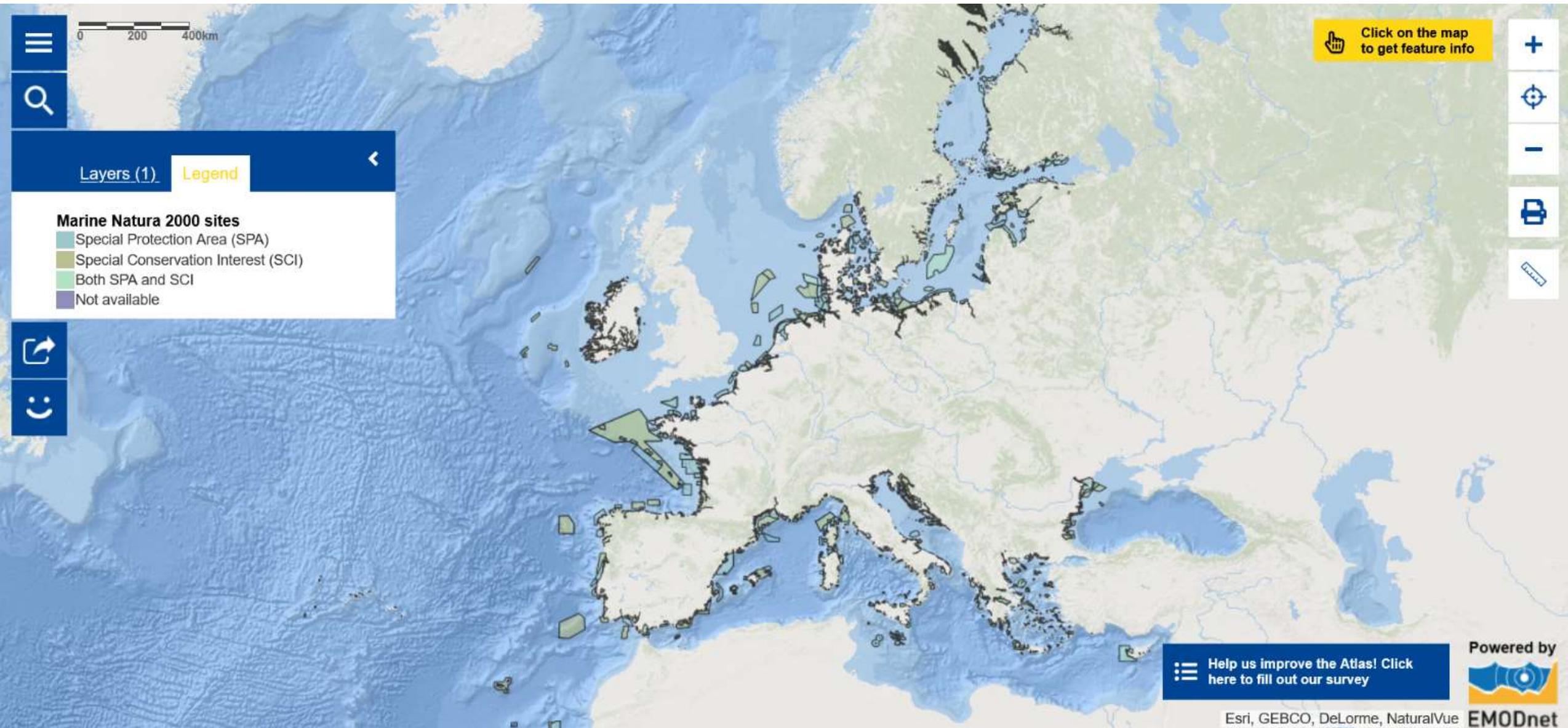
Some examples ...



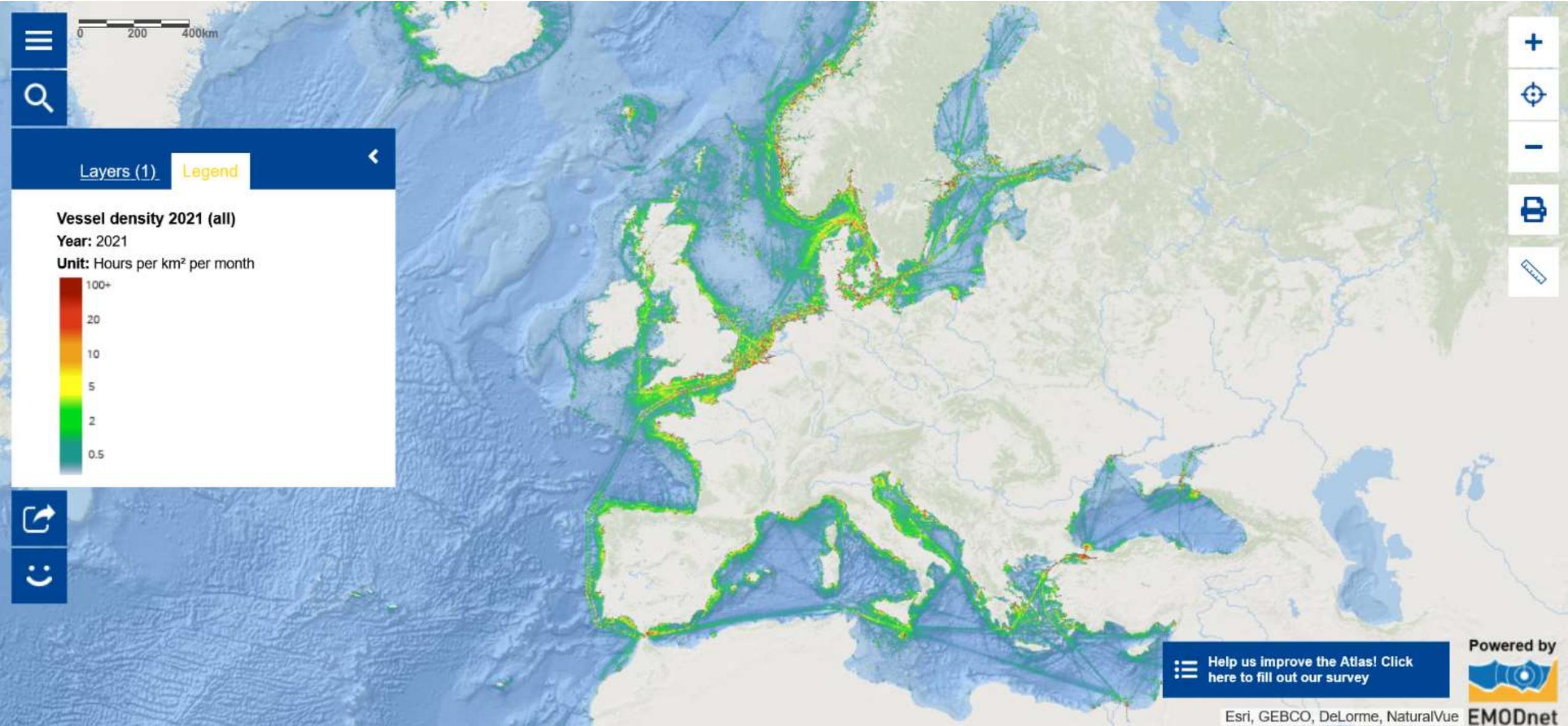
Some examples ...



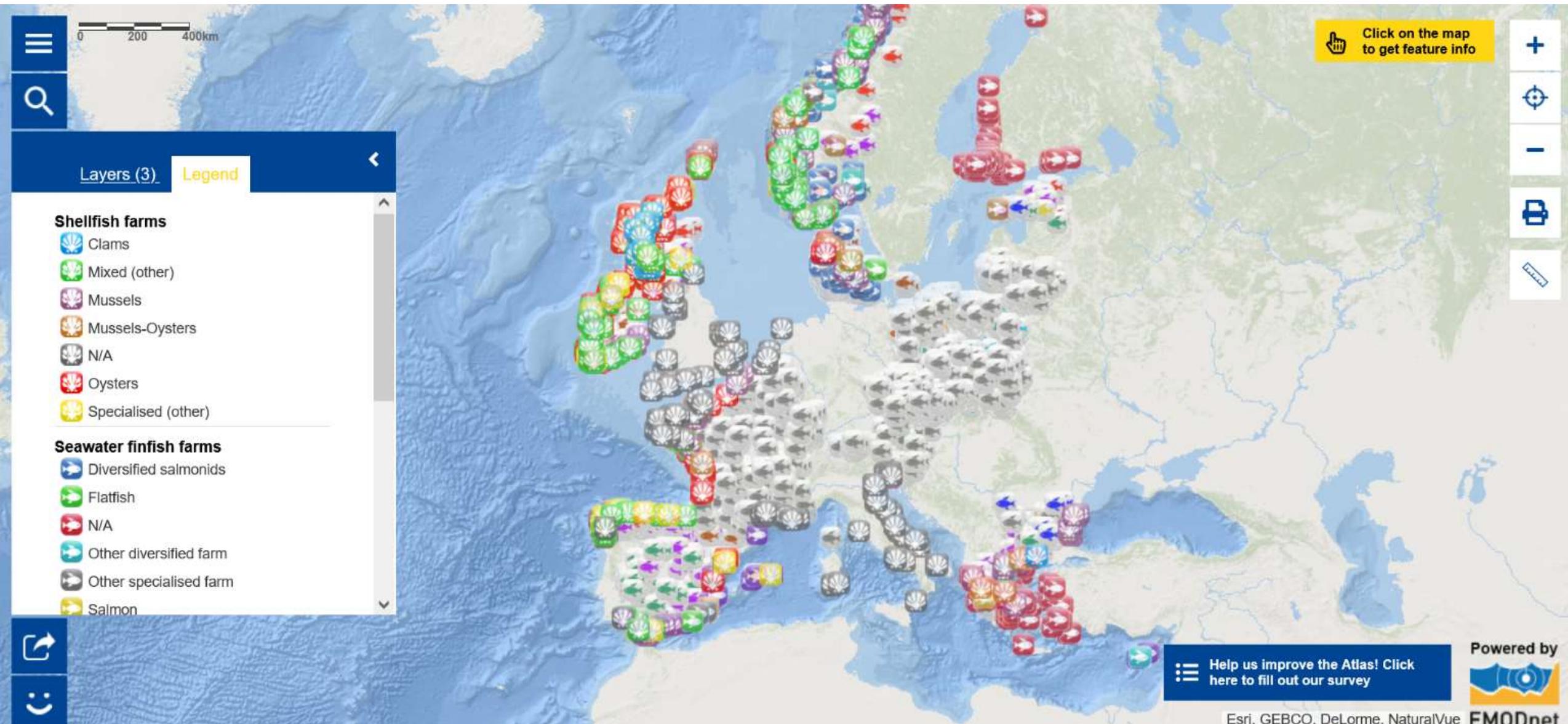
Some examples ...



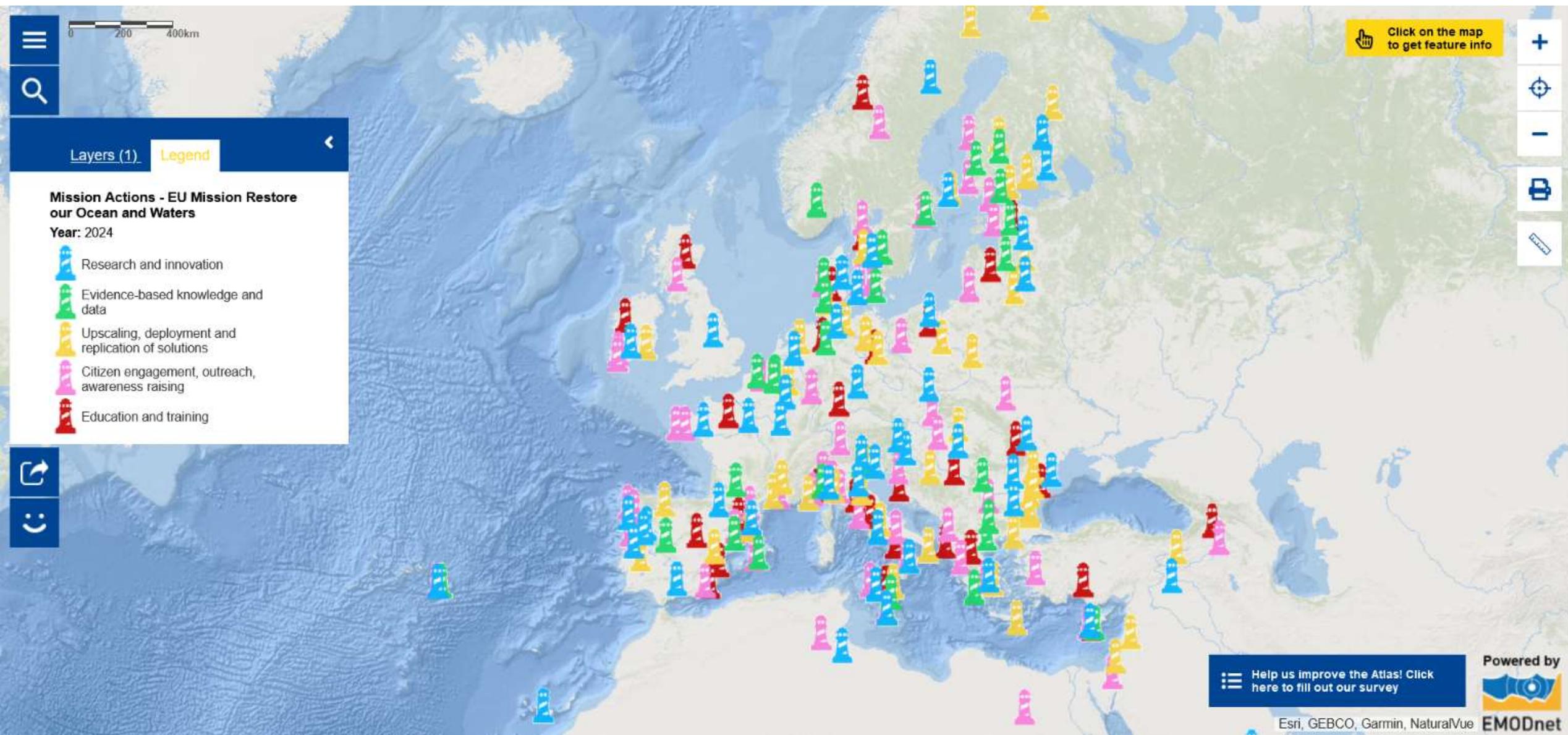
Some examples ...



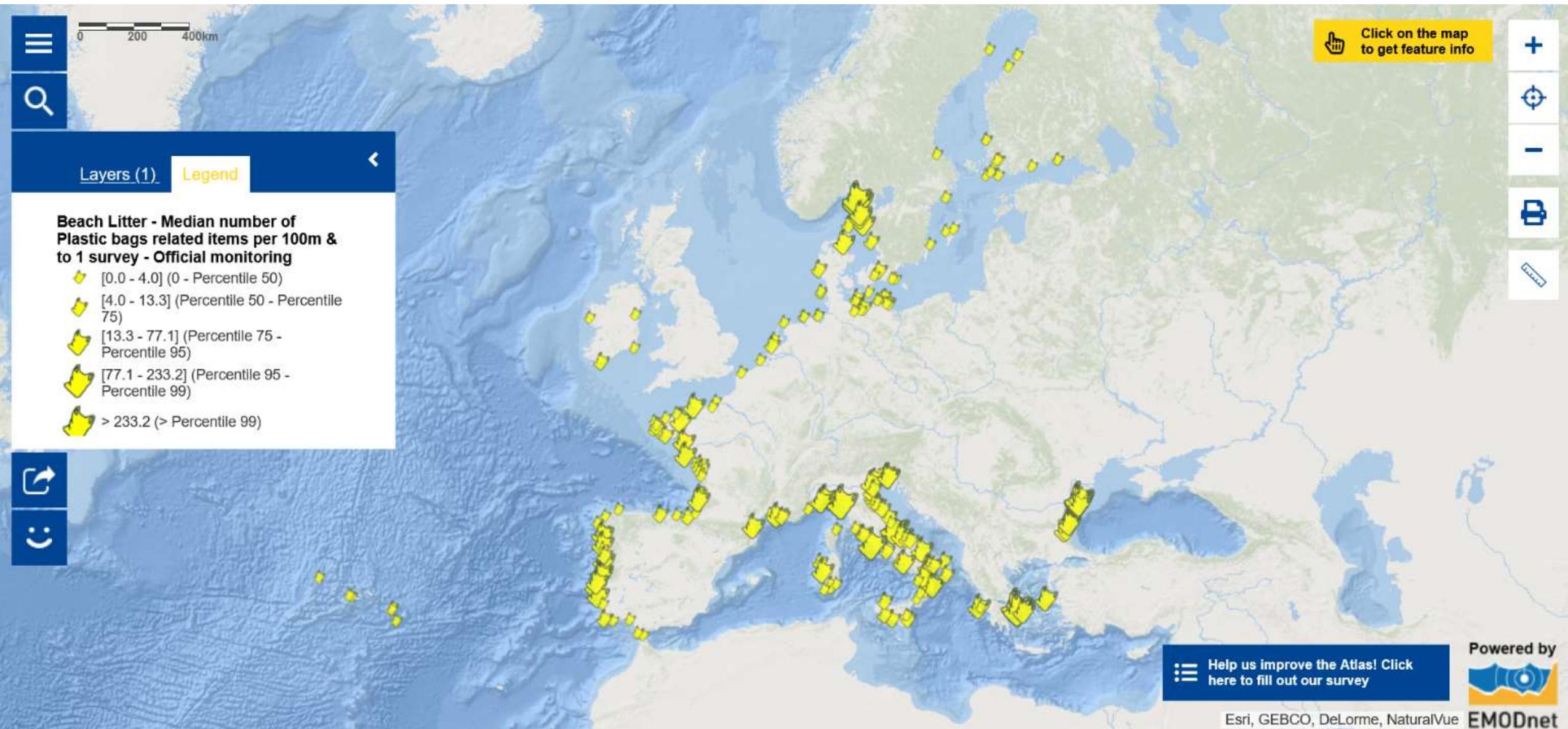
Some examples ...



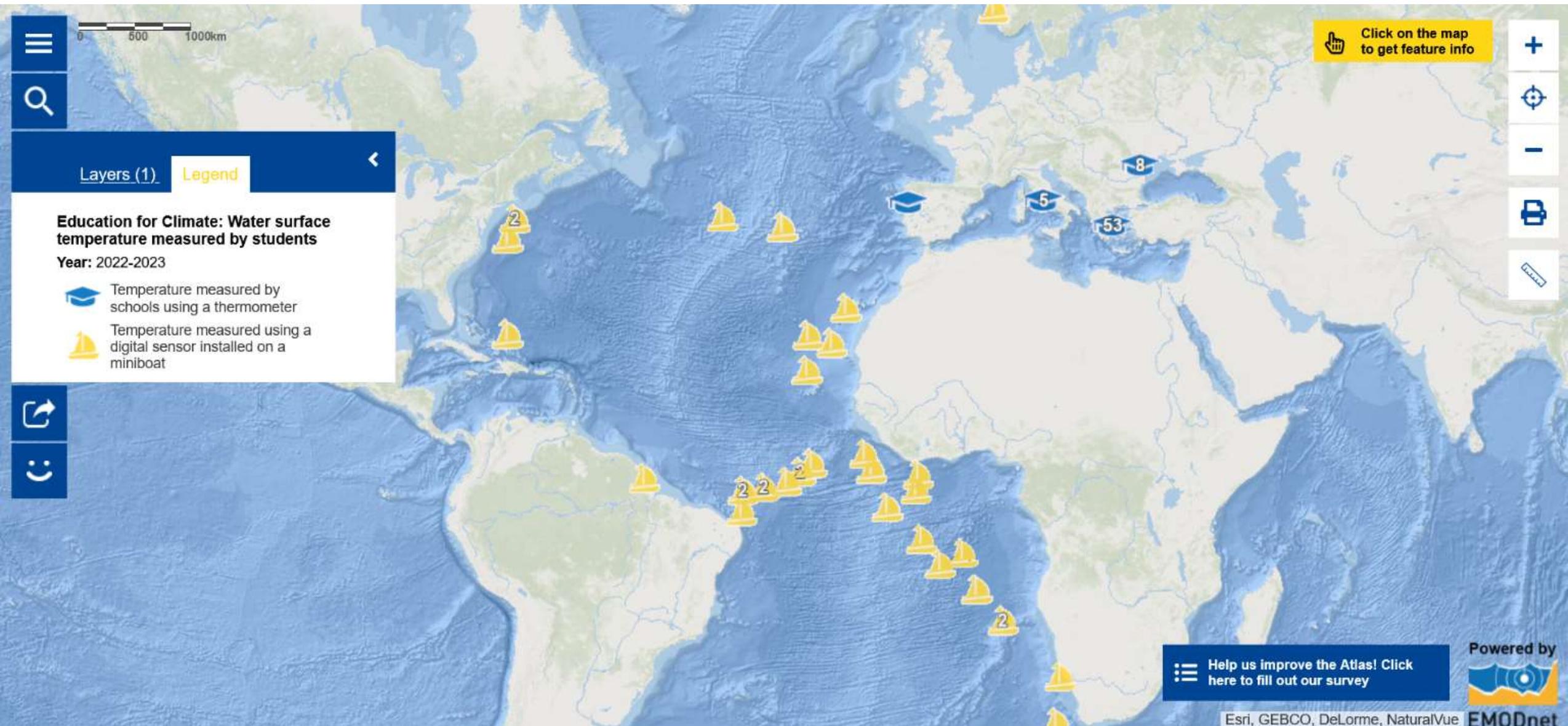
Some examples ...



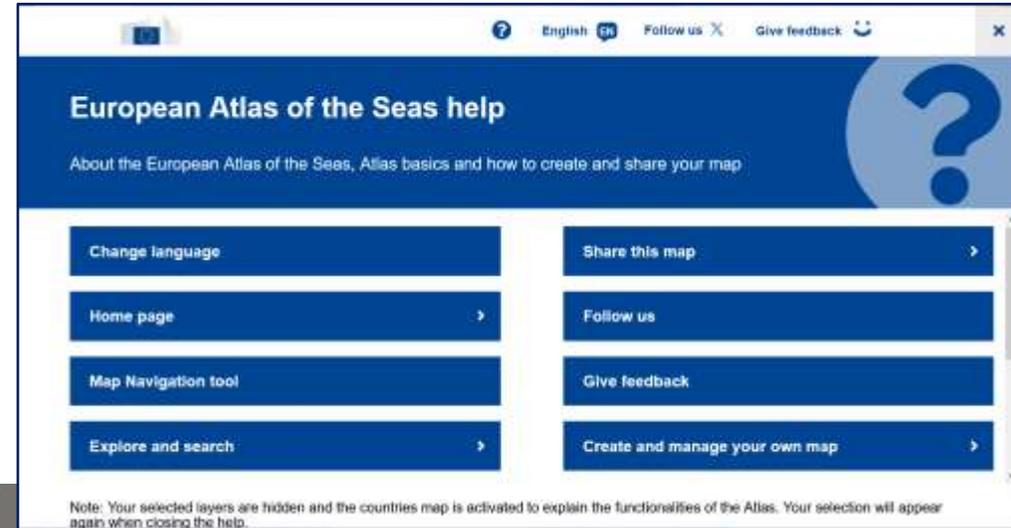
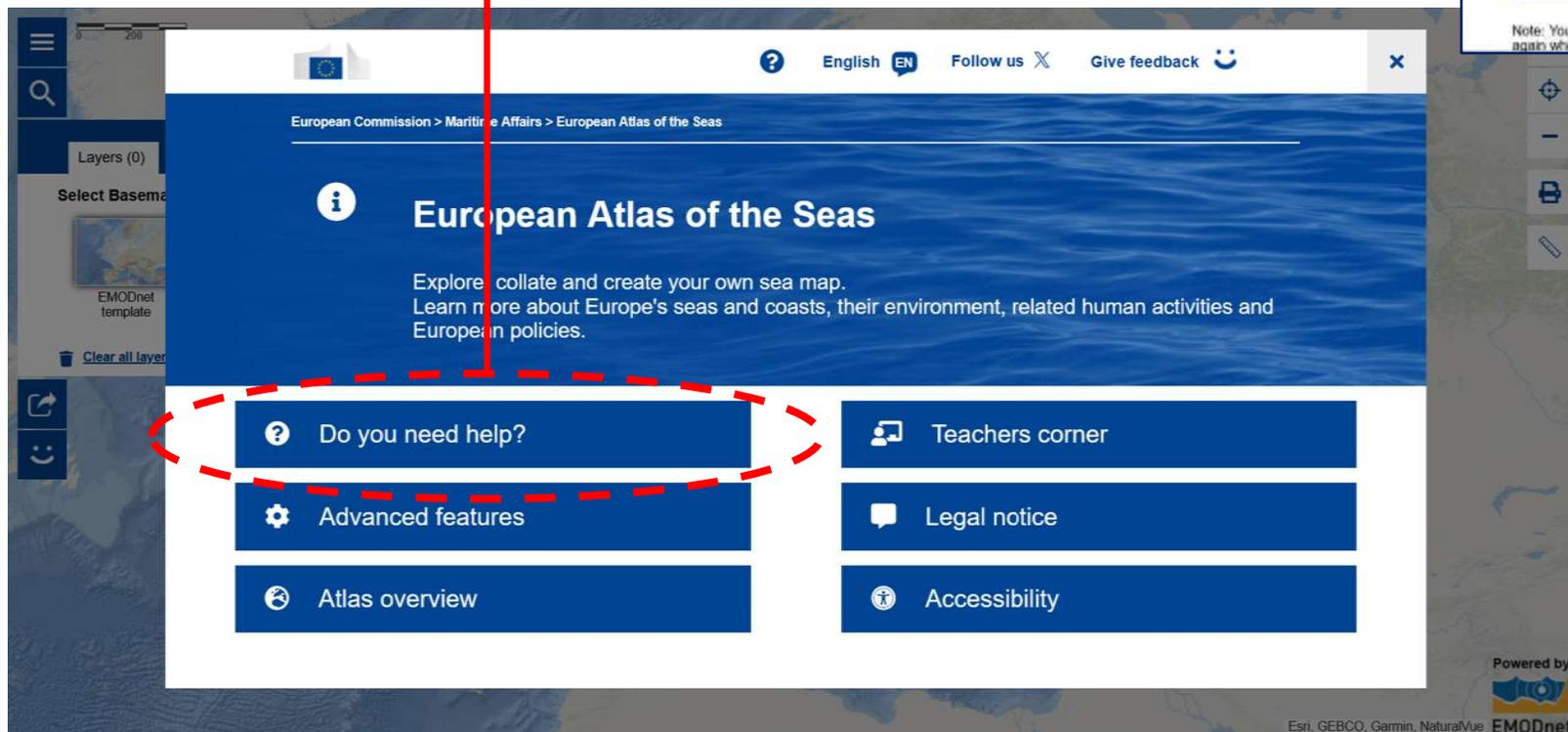
Some examples ...



First citizen science map in the Atlas ...



Learning to use the Atlas' tools in 24 languages !

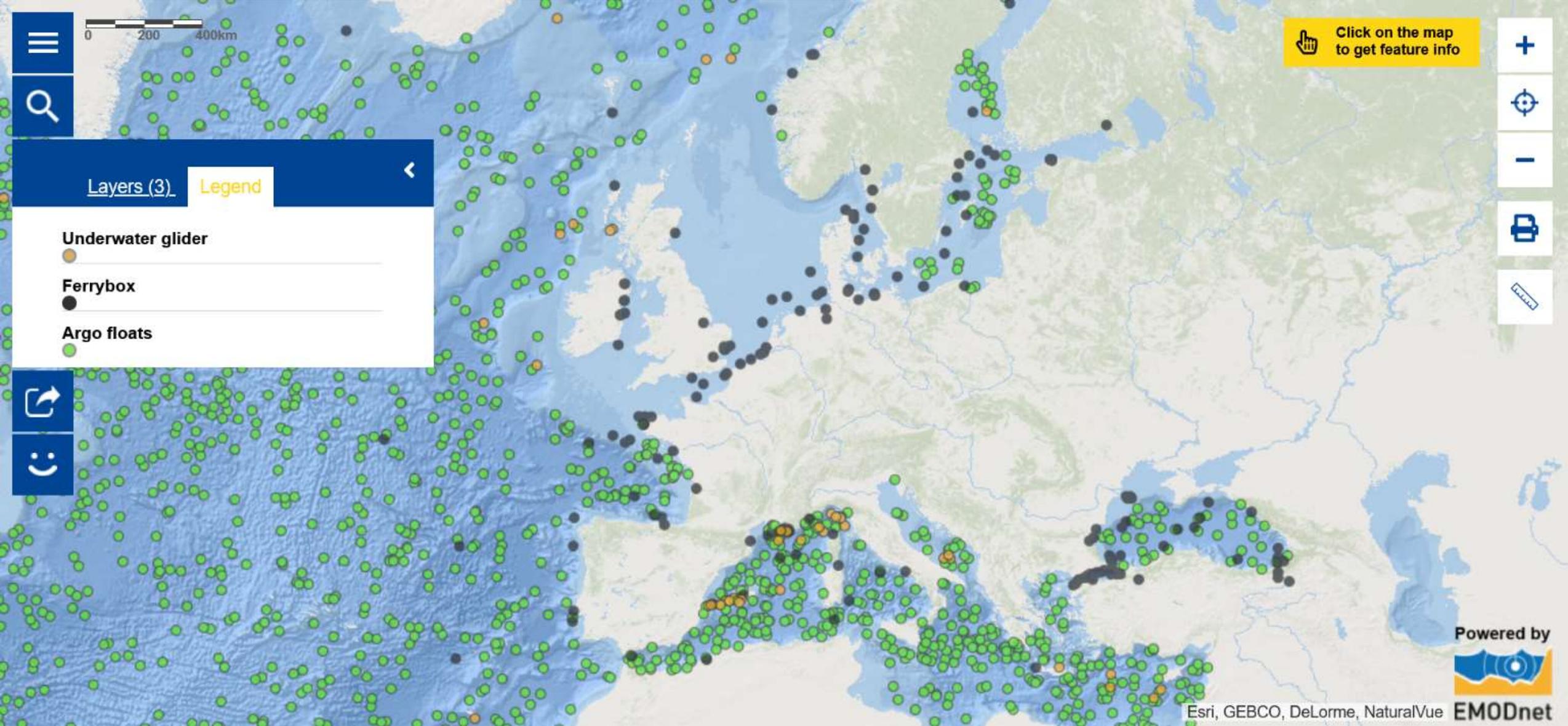


Integrating your map in your work with the Atlas' tools

The screenshot displays the 'Print' interface for the 'EUROPEAN ATLAS OF THE SEAS' map. The interface is divided into several sections:

- Header:** Includes the European Union flag, a help icon, language selection (English EN), social media links (Follow us), and a feedback link (Give feedback).
- Print Panel:** A dark blue bar with the word 'Print' in white.
- Map Preview:** A central map titled 'EUROPEAN ATLAS OF THE SEAS' showing Europe with various colored icons. Below the map, it displays the date 'November 27, 2024', the scale '1:147.914.381', and a scale bar from 0 to 4000km.
- Configuration Options:**
 - Paper size:** A dropdown menu set to 'A3 Landscape'.
 - Format:** Radio buttons for 'PDF' (selected) and 'JPG'.
 - Include legend:** A checked checkbox.
 - Layers for print:** A link to expand the list of layers.
 - Map title:** A text input field containing 'EUROPEAN ATLAS OF THE SEAS'.
 - Scale:** A dropdown menu set to '1 : 147.914.381'.
- Buttons:** A large blue 'Export' button, a 'Next >' button, and 'Share' and 'Embed' buttons (circled in red).
- Map Tools:** A vertical toolbar on the right side of the map with a 'Print' icon circled in red.
- Layers Panel:** A sidebar on the left showing 'Layers (2)' with categories like 'Microalgae prod' and 'Macroalgae prod'.

My Maps: Create your own working space in the Atlas and save your maps!



My Maps: Your working space in the Atlas!

The screenshot displays the Atlas interface with several key elements highlighted by red dashed circles and numbers:

- 1**: A red dashed circle highlights the hamburger menu icon in the top-left corner of the sidebar.
- 2**: A red dashed circle highlights the 'My maps' tab in the 'Add layers to the map' section.
- 1**: A red dashed circle highlights the 'Advanced features' panel on the right side of the interface.

The 'Advanced features' panel includes the following options:

- Print tool**: Printing service to allow the current map to print.
- Measures tool**: Tool to determine areas, distances and coordinates.
- Save map**: Save the map settings.
- My locations**: Add data from table.

My Maps: Your working space in the Atlas!

The screenshot shows the 'Save map' dialog in the Atlas interface. The dialog is overlaid on a map showing oceanographic instruments. The dialog has a white background with a blue header and footer. It contains the following elements:

- Map title:** A text input field containing "The role of oceanographic instruments".
- Description:** A text area containing the text: "This map is composed of three map layers. It shows three types of oceanographic instruments." followed by a list of questions:
 - Can you identify each type of instruments on the map using the legend?
 - How do these instruments work?
 - Which parameters are measured?
 - Can you find other map layers in the Atlas related to oceanographic instruments? Which ones?
- List of layers:** A list of three items:
 - Underwater glider
 - Ferrybox
 - Argo floats
- Map image:** A preview of the map showing oceanographic instruments, with a refresh icon in the top right corner.
- Buttons:** "Upload a new image" and "Save" (two buttons).

On the right side of the map, there is a red dashed circle around a save icon, with the word "Save" written in red below it.

At the bottom right, there is a logo for "Powered by EMODnet".

My Maps: Your working space in the Atlas!

English EN Follow us X Give feedback

Add layers to the map

Search for layers

Predefined maps (19) Layers Map stories **My maps** ^{NEW}

Create a new map

of oceanographic instrumen

Zeespiegel

Go back to a map you have saved and modify it

Activating the 'My Locations' tool

The screenshot displays the user interface of the European Atlas of the Seas. At the top, there is a navigation bar with the European Commission logo, a help icon, language selection (English EN), social media links (Follow us), and a feedback icon. Below this is a breadcrumb trail: European Commission > Maritime Affairs > European Atlas of the Seas. The main content area features a large blue header with an information icon and the title "European Atlas of the Seas". Below the title, a descriptive paragraph reads: "Explore, collate and create your own sea map. Learn more about Europe's seas and coasts, their environment, related human activities and European policies." At the bottom, there are two columns of blue buttons with white icons and text. The left column contains: "Do you need help?", "Advanced features" (highlighted with a red dashed border), and "Atlas overview". The right column contains: "Teachers corner", "Legal notice", and "Accessibility". On the far left, a sidebar is partially visible with a menu icon, a search icon, and a "Layers (0)" section. On the far right, a vertical toolbar contains icons for zooming, centering, and printing.

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
- Teachers corner
- Legal notice
- Accessibility

Activating the 'My Locations' tool

The screenshot shows the 'Advanced features' settings panel. The top navigation bar includes the EU flag, a help icon, 'English EN', 'Follow us', 'Give feedback', and 'EU Login'. The settings panel lists the following tools and their toggle states:

- Print tool**: Printing service to allow the current map to print. Toggle: ON.
- Measures tool**: Tool to determine areas, distances and coordinates. Toggle: ON.
- Save map**: Save the map settings. Toggle: ON.
- My locations** (NEW): Add data from table. Toggle: ON. This toggle is highlighted with a red dashed box, and a red arrow points from it to a location pin icon in the right-hand toolbar.

'My Locations': Accessing your working space with the EU Login

The image shows a web application interface for a map. The main map area displays a topographic view of Europe. A blue dialog box is centered on the screen, containing the text "Sign in to EU Login to see your saved maps" and a white button labeled "EU Login". In the top right corner, there is a button labeled "Sign in EU Login". On the left side, a "Layers" panel is open, showing "Layers (0)" and "Legend" tabs. Under "Select Basemap", there are two options: "EMODnet template" and "Cities template". A "Clear all layers" button is at the bottom of the panel. The top left corner features a search icon and a scale bar (0, 200, 400km). The bottom right corner contains the text "Powered by" above the EMODnet logo, and below that, the text "Esri, GEBCO, Garmin, NaturaVue".

Using the 'My Locations' tool to create your own map

0 200 400km

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements ⓘ [Copy from a table](#)

ID	Latitude	Longitude	Description	
<input type="checkbox"/> 1	43.25	-5.256	Description 1	

[Add row](#) [Remove selection](#) [Remove table](#) [Next >](#)

[Add column](#)

Import your data into the Atlas

OR

Create a table with your data in the Atlas

Powered by EMODnet

Esri, GEBCO, Garmin, NaturalVue

'My Locations': Importing your data into the Atlas (e.g. from Excel)

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#)

[Fill table manually](#)

Go to table, copy your data and paste here. Example:

Latitude	Longitude	Description
4,3252	-5,256	Description 1
3,6734	2,753	Description 2

The 'Latitude' and 'Longitude' columns are mandatory and must not contain empty values

[Next >](#)

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'My Locations': Creating a table with your data in the Atlas

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements ⓘ

[Copy from a table](#)

ID	Latitude	Longitude	Description ⓘ	Add column
<input type="checkbox"/>	54.92	12.230	Monitoring station 2	Add row Remove select Move table

[Next >](#)

(1) Click on the pin and select a location to add it to the table

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My Locations: Your working space in the Atlas!

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#) [Copy from a table](#)

ID	Latitude	Longitude	Description ⌵	Add column
<input type="checkbox"/> 1	54.92	12.230	Monitoring station 2	Add column

[Add row](#) (2) [Remove selection](#) [Remove table](#) [Next >](#)

(2) Type in the description for your first location

'My Locations': Creating a table with your data in the Atlas

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#) **Copy from a table** (3)

ID	Latitude	Longitude	Descripti...	Country ...	
<input type="checkbox"/>	1	54.92	12.230	Monitoring station Exi	Add column

Add row [Remove selection](#) [Remove table](#) **Next >**

Rename
Delete

(3) Add columns and click on three points to rename them

'My Locations': Creating a table with your data in the Atlas

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#) [Copy from a table](#)

	ID	Latitude	Longitude	Descripti...	Country ...	
<input type="checkbox"/>	1	54.92	12.230	Monitoring station Denmark		Add column
<input type="checkbox"/>	2	43.25	-5.256	Description 2	Extra column 1	

[Add row](#) [Remove selection](#) [Remove table](#) [Next >](#)

(4)

(4) Add rows for other locations

Powered by
Esri, GEBCO, Garmin, NaturaVue
EMODnet

'My Locations': Creating a table with your data in the Atlas

The screenshot displays the EMODnet Atlas interface. On the left, a sidebar shows the 'Layers (0)' panel with a 'Legend' link and a 'Select Basemap' section containing 'EMODnet template' and 'Cities template' options. The main map area shows a topographic view of Europe with two red location markers. On the right, the 'My locations' panel is open, displaying a table with two rows of monitoring station data. A 'Next >' button is highlighted with a red dashed box.

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#) [Copy from a table](#)

	ID	Latitude	Longitude	Descripti...	Country ...	Add column
<input type="checkbox"/>	1	54.92	12.230	Monitoring station Denmark		
<input type="checkbox"/>	2	40.63	-8.775	Monitoring station Portugal		

[Add row](#) [Remove selection](#) [Remove table](#)

[Next >](#)

Powered by

EMODnet

'My Locations': Creating a table with your data in the Atlas

nathalie.van.isacker@emodnet.eu

My locations

Title *

Monitoring stations for water temperature

Description:

This map shows the different monitoring stations where temperature was measured in the project during the year 2024

Attributes to show:

ID × Description × Country Extra column1 ×

Drawing style

Symbol ● ■ ▲

Size px

Colour ■

Opacity

Layers (0) Legend

Select Basemap

EMODnet template Cities template

Clear all layers

Powered by EMODnet

'My Locations': Creating a table with your data in the Atlas

The screenshot displays the EMODnet Atlas interface. The main map shows a topographic view of Europe with two red circular markers indicating monitoring stations. The interface includes a search bar, a scale bar (0-400km), and a user profile for 'nathalie.van.isacker@emodnet.eu'. On the left, a 'Layers (0)' panel offers 'EMODnet template' and 'Cities template' basemaps. The right-hand 'My locations' panel is the focus, showing the layer name, a description, and a table of attributes to show.

My locations

Monitoring stations for water temperature

Description:

This map shows the different monitoring stations where temperature was measured in the project during the year 2024

Attributes to show:

ID	Description	Country	Extra column1
----	-------------	---------	---------------

Drawing style

Symbol: Circle Square Triangle

Size: 20 px

Colour: Red

Opacity: 100%

[Previous](#) [Create layer](#)

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'My Locations': Creating a table with your data in the Atlas

Click on the map to get feature info

nathalie.van.isacker@emodnet.eu

My locations

Monitoring stations for water temperature

Description:

This map shows the different monitoring stations where temperature was measured in the project during the year 2024

Attributes to show:

ID x Description x Country Extra column1 x

Drawing style

Symbol ● ■ ▲

Size px

Colour ■

Opacity

[← Previous](#) [Update layer](#)

Powered by EMODnet

'My Locations': Creating a table with your data in the Atlas

The screenshot shows the 'Advanced features' settings panel in the EMODnet Atlas. The panel is titled 'Advanced features' and contains four toggleable options:

- Print tool**: Printing service to allow the current map to print. The toggle is currently turned on.
- Measures tool**: Tool to determine areas, distances and coordinates. The toggle is currently turned on.
- Save map**: Save the map settings. The toggle is currently turned on and is highlighted with a red dashed box. A red arrow points from this toggle to the 'Save map' icon in the right-hand toolbar.
- My locations** ^{NEW}: Add data from table. The toggle is currently turned on.

The background shows a map interface with a search bar, a scale bar (0 to 200), and a toolbar on the right with various icons including a print icon, a measure icon, a save icon, and a location pin icon. The save icon in the toolbar is also highlighted with a red dashed box.

'My Locations': Creating a table with your data in the Atlas

The screenshot shows the 'Save map' dialog box in the Atlas application. The dialog is overlaid on a map interface. At the top of the dialog, there is a header with the European Union flag, a help icon, the language 'English EN', 'Follow us' with social media icons, and 'Give feedback' with a smiley face icon. The main content area is divided into several sections:

- Map title:** A text input field with the placeholder text 'Enter map title here'.
- Description:** A larger text input area with the placeholder text 'Enter map description here'.
- Map image:** A thumbnail image of a map showing Europe and the Mediterranean region. Below this image are two buttons: 'Upload a new image' and 'Refresh thumbnail'.
- Basemap:** A section showing 'EMODnet template' as the selected basemap.
- List of layers:** A list containing one item: 'Monitoring stations for water temperature'.

At the bottom right of the dialog is a large blue 'Save' button. A yellow warning box is positioned below the map image section, containing the text: 'Warning: if you save the map, other users with the link will be able to see but not edit, your locations'. The background map interface shows a search bar, a layers panel with 'Layers (1)' and 'My loc...', and various map navigation controls.

'My Locations': Creating a table with your data in the Atlas

The screenshot shows the 'Save map' dialog box in the EMODnet Atlas. The dialog is titled 'Save map' and contains the following fields and options:

- Map title:** A text input field containing 'Monitoring stations for water temperature'.
- Description:** A text area containing 'This map shows the different monitoring stations where water temperature was measured in the project during the year 2024.'
- Basemap:** A dropdown menu showing 'EMODnet template'.
- List of layers:** A list containing 'Monitoring stations for water temperature'.
- Map image:** A thumbnail image of the map showing monitoring stations in the Mediterranean region. Below it are two buttons: 'Upload a new image' and 'Refresh thumbnail'.
- Warning:** A yellow box containing the text: 'Warning: if you save the map, other users with the link will be able to see but not edit, your locations'.
- Save:** A blue button with the text 'Save', which is highlighted with a red dashed border.

The background shows the Atlas interface with a map of Europe, a search bar, and a layers panel on the left. The top navigation bar includes the EMODnet logo, a help icon, language options (English EN), social media links (Follow us), and a feedback icon (Give feedback).

'My Locations': Creating a table with your data in the Atlas

The screenshot shows the 'My maps' section of the EMODnet Atlas. At the top, there is a navigation bar with the European Union flag, a help icon, the language 'English EN', 'Follow us' with a social media icon, and 'Give feedback' with a smiley face icon. Below this is a dark blue header with the text 'Add layers to the map'. A search bar labeled 'Search for layers' is positioned below the header. A horizontal menu contains four options: 'Predefined maps', 'Layers', 'Map stories', and 'My maps', which is highlighted with a red dashed border. The main content area features three map cards. The first card is a light gray box with a blue icon of a document with a plus sign and the text 'Create a new map'. The second card shows a map of Europe with red dots and the text 'Relevant conf'. The third card is titled 'Monitoring stations for water temperature' and includes a pencil icon and a trash can icon. It shows the date '2024-11-18' and a list of layers: '- Monitoring stations for water temperature'. Below this card, the 'Load this map' button is highlighted with a red dashed border, and the 'More info' button is also visible. On the left side of the interface, there is a sidebar with a search icon (highlighted with a red dashed box), a 'Layers (0)' section, a 'Monitoring water temp' section, and a 'Select Basemap' section with a thumbnail labeled 'EMODnet template' and a 'Clear all layers' button. On the right side, there is a vertical toolbar with various map navigation icons. At the bottom right, there is a logo for 'Powered by EMODnet'.

'My Locations': Creating a table with your data in the Atlas

0 200 400km

Layers (2) Legend

Monitoring stations for water temperature

Monitoring stations for water temperature

ID: 1
Description: **Monitoring station 2**
Country Extra column1: **Denmark**

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EMODnet

'My Locations': Updating a table with your data in the Atlas

The screenshot displays the EMODnet Atlas interface. On the left, a map of Europe shows two monitoring stations marked with red dots. A legend panel on the left identifies the layer as 'Monitoring stations for water temperature'. On the right, a panel titled 'Monitoring stations for water temperature' provides details for the selected station (ID: 1) and includes a 'My locations' table. The table lists two monitoring stations with their respective IDs, latitudes, longitudes, descriptions, and countries. A red dashed box highlights the location pin icon in the table's action column. Below the table are buttons for 'Add row', 'Remove selection', 'Remove table', and 'Next >'. The EMODnet logo is visible in the bottom right corner.

Monitoring stations for water temperature

ID: 1
Description: Monitoring station 2
Country Extra column1: Denmark

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#) **Copy from a table**

	ID	Latitude	Longitude	Descripti...	Country ...	Add column
<input type="checkbox"/>	1	54.92	12.230	Monitoring station Denmark		
<input type="checkbox"/>	2	40.63	-8.775	Monitoring station Portugal		

Add row [Remove selection](#) [Remove table](#) **Next >**

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'My Locations': Combining your map layer with another

The screenshot displays the 'My Locations' interface on a map. At the top, there is a navigation bar with the European Union flag, a search icon, and links for 'English EN', 'Follow us', and 'Give feedback'. A search bar contains the text 'river'. Below the search bar, the 'Search results' section is visible, with 'River basins' selected and highlighted by a red dashed box. Other search results include 'River runoff trends', 'River gauging stations', 'Seawater finfish farms', and 'Shellfish farms'. At the bottom, there are two columns of indicators: 'Blue indicators' and 'Climate change', each with several unchecked options. The interface also features a sidebar on the left with 'Layers (2)', 'Monitoring water temperature', 'My locations', and 'Monitoring station temperature'. A 'Clear all layers' button is at the bottom left. The background shows a map of a river basin. The bottom right corner contains the text 'Powered by EMODnet' and 'CCM River and Catchment Database © European Commission - JRC, 2007'.

Layers (2)

Monitoring water temperature

My locations

Monitoring station temperature

River basins

Select Basemap

Clear all layers

0 200

English EN Follow us Give feedback

river

Search results

- River basins Nature
- River runoff trends Nature
- River gauging stations Oceanographic instruments
- Seawater finfish farms
- Shellfish farms

Blue indicators

- Employment in coastal tourism
- Employment in marine extraction of minerals, oil and gas

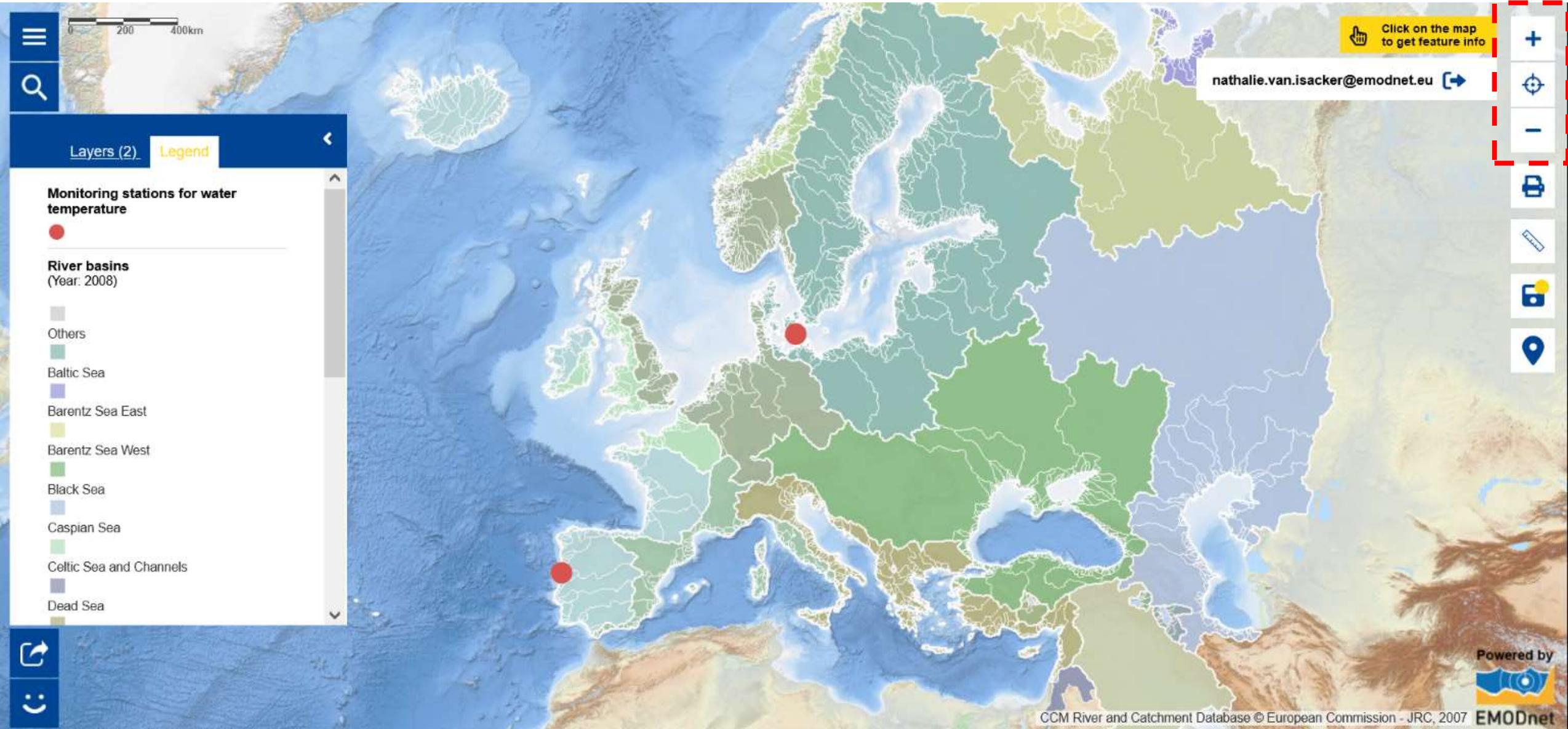
Climate change

- Global mean sea level regional trend
- Global sea surface temperature regional trend

Powered by EMODnet

CCM River and Catchment Database © European Commission - JRC, 2007

'My Locations': Combining your map layer with another



The Teachers Corner: ready-to-use map-based activities



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



Up to 12



12 to 15



15 to 18



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

The Atlas' Maps of the Week – published every Friday

https://maritime-forum.ec.europa.eu/theme/marine-knowledge/european-atlas-seas_en

Map of the Week – Renewable Energies: Offshore Wind Farms

This map shows the point locations and operational status of offshore wind farms in European seas.



This week marked the beginning of the 29th Conference of the Parties ([COP29](#) ) to the United Nations Framework Convention on Climate Change ([UNFCCC](#) ) , as nations gather between 11 and 22 November 2024 to address global climate challenges. COP29 is an international summit where governments, scientists, activists and policymakers discuss strategies to achieve key environmental targets, including emissions reductions and adaptation measures ^[1]. COP29 also offers inclusive access to the global community through platforms such as the [COP29 Virtual Ocean Pavilion](#) , which elevates ocean conservation's role in climate talks. This virtual pavilion features live events, exhibitions, and interactive tools, making it possible for people and youth worldwide to engage with ocean issues and connect with experts in real-time. For instance, on November 11, the [World Maritime University](#)  and [OceanICU](#)  hosted an event, '[The Ocean Carbon Cycle: Bridging science, policy development and concrete action](#)' , highlighting the ocean's essential role in carbon regulation. This event brought scientific insights and policy perspectives together to underscore the ocean's critical potential for climate mitigation within global climate frameworks.

Map of the Week – Riverine and Coastal Pollution

This map shows the median number of cigarette related litter items per beach per year along 100 metre segments of the European beaches between 2001 and 2022.

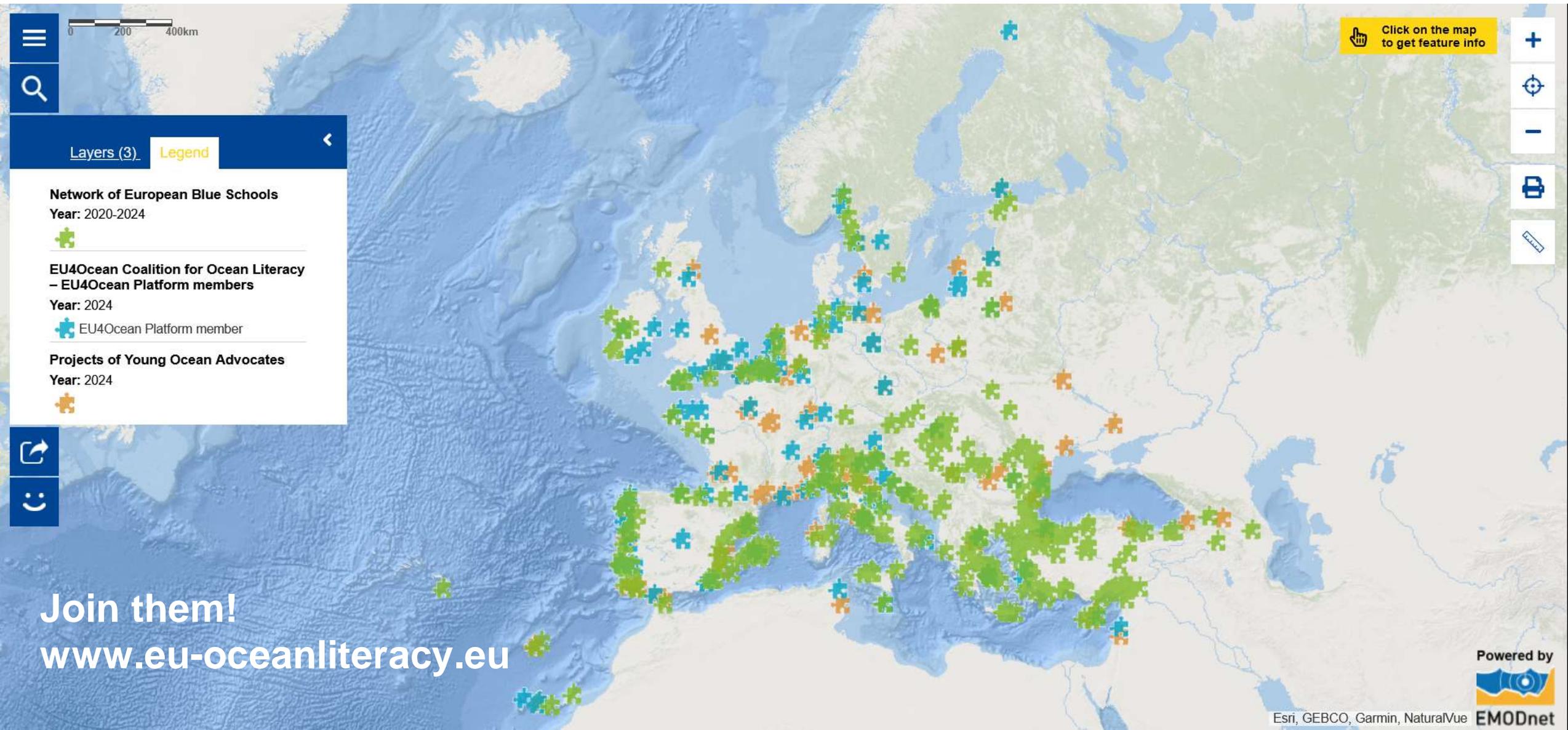


Did you know that every year, millions of tonnes of litter end up on beaches, seas and ocean? An estimated 80% of this waste comes from land-based sources like beach littering, landfills and street litter carried to the sea by untreated sewage, rivers and floodwaters ^[1]. The [Plastic Pirates-Go Europe!](#)  initiative addresses this issue by engaging young people across Europe to combat pollution through data collection on waste in rivers and coastal areas, supporting scientific research and raising awareness about environmental protection. Now active in over 13 European Union (EU) countries and beyond, the Plastic Pirates initiative aims to further expand and increase international collaboration.



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

Learn about the EU4Ocean Coalition for Ocean Literacy



Join them!
www.eu-oceanliteracy.eu

EU4Ocean Coalition consists of 3 communities



EU4Ocean Platform
for organisations and individuals engaged
in ocean literacy initiatives

**Network of European
Blue Schools**
for schools, teachers and staff of education
services from all subjects



Youth4Ocean Forum
for young ocean advocates aged between 16 and 30

Why join EU4Ocean?



**Design and participate
in collective actions.**



**Develop and carry out
ocean literacy projects.**



**Collaborate with researchers,
industry experts, policymakers,
artists, schools, and youth.**



**Participate in challenges to win
awards with your own project or
initiative.**



Network of European Blue Schools

for schools, teachers and staff of education
services from all subjects



JOIN THE NETWORK OF EU BLUE SCHOOLS

apply by



15 DECEMBER

#EU4Ocean
#Youth4Ocean
#EUBlueSchools



Support a Young Ocean Advocate's project!

Target Group:
Students aged 5 to 22 years

Lesson Plan (45 Minutes):

- Introduction to the Topic
- Writing the Letters
- Adding Drawings
- Conclusion and Submission



LETTERS TO THE SEA

Share your love, dreams, and ideas about the ocean.

Who are we looking for?
If you are between 3 to 22 years old, we would love to hear from you.

What can you write?
Express your love for the ocean, why we should care for it, and your experiences. Drawings and letters in any language are welcome!

Why write a Letter to the Sea?
Our oceans need your voice. Your letter could be adopted and answered by world leaders in different conferences.

Don't forget to include your name, age, and location at the end of your letter.

JOIN US!

margarita@onewater.blue sierra@onewater.blue

 <https://linktr.ee/letterstothesea>



LETTERS TO THE SEA

Somos OceanoS

About us: We are promoted by Somos OceanoS, a UN Ocean Decade project, that combines accessible science communication and community engagement to foster inclusive management of MPAs.



The Letters to the Sea Initiative invites young enthusiasts to write heartfelt letters to the sea. These letters, often accompanied by drawings, allow children and youth aged 3 to 22 to express their love, concerns, and ideas about the ocean. By personalizing the sea, we encourage deeper reflection on how we care for it and our relationship with this vital ecosystem. Our ambitious goal is to collect 1,000,000 letters for an art exhibition at the 2025 Ocean Decade Conference in Nice, France, fostering dialogue between youth and global leaders in marine conservation.

So far, we have received letters from 16 countries, showing diverse perspectives and deep connections young people have with the ocean. We are now looking to partner with schools to receive ongoing contributions from their students.



Partnership proposal



We want to collaborate with schools like Point Road Elementary School to integrate our initiative into your educational activities. Through this partnership, we can work together towards:

- **Engaging students:** Encourage your students to participate in the "Letters to the Sea" project, providing a platform for them to share their voices globally.
- **Supporting Educational Activities:** We can support you by creating educational materials, infographics, and resources related to ocean science and ocean literacy, tailored to fit your curriculum.
- **Promoting Ocean Literacy:** Enhance students' understanding of the significance of the ocean, its ecosystems, and their roles in global sustainability through engaging and informative content.
- **Fostering Creativity and Awareness:** Motivate students to think deeply about their relationship with nature and the importance of protecting our oceans and ecosystems.



We believe that through this partnership, we can inspire and empower the next generation of environmental stewards.

Help us show the world the power of youth voices!

Contact us: margarita@onewater.blue sierra@onewater.blue



Resources

- European Atlas of the Seas: www.european-atlas-of-the-seas.eu
- European Atlas of the Seas' presentations:
https://maritime-forum.ec.europa.eu/theme/marine-knowledge/atlas-teachers-corner/workshops_en
- EU4Ocean: www.eu-oceanliteracy.eu
- EU4Ocean map:
https://ec.europa.eu/maritimeaffairs/atlas/maritime_atlas/#lang=EN;p=w;bkgd=5;theme=572:0.8,516:0.8,354:0.8;c=1253866.2175874868,7033312.218247011;z=4;e=t
- Letters to the Sea: <https://linktr.ee/letterstothesea>
- Water Information System for Europe (WISE): <https://water.europa.eu/>
- European Environment Agency: <https://www.eea.europa.eu/en>
- Copernicus Ocean Explainers: <https://marine.copernicus.eu/explainers>



Are you joining us for the practical exercise?



We are moving!

- 1) Close this session
- 2) Go back to the 'Agenda' on B2Match and connect to the Optional Practical Exercise Session!
- 3) See you there!

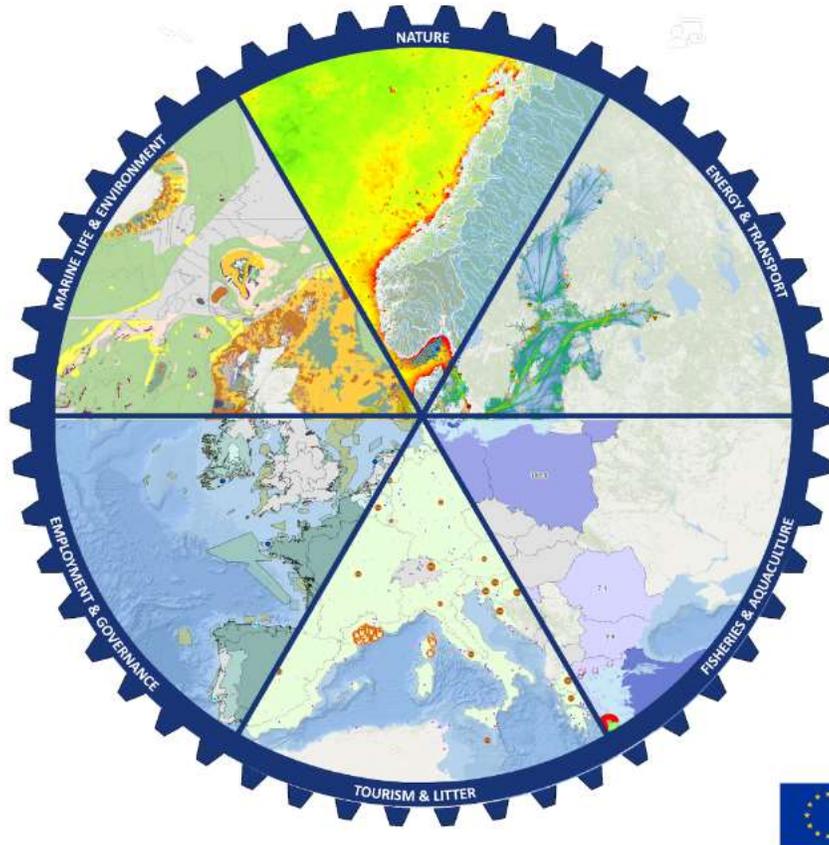


- 1) Open the European Atlas of the Seas in another window – www.european-atlas-of-the-seas.eu
- 2) Activate the 'My Locations' tool and login.



Leaving us now?

The European Atlas of the Seas



Thank you for your participation!

Share your feedback with us by completing the short online survey ...

... and enjoy your journey in the European Atlas of the Seas!

Questions? Contact us at:
Nathalie.van.isacker@emodnet.eu



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

Leaving us now?

European Atlas of the Seas Home Agenda Participants Marketplace Maritime Fo

Hello Nathalie!

Congratulations on successfully registering for the Bring the ocean into your classroom with the European Atlas of the Seas. Follow the steps below to finish setting up your networking profile and explore its possibilities.

Next Steps

Leave feedback

Please take a few minutes and leave some feedback so that we can improve our upcoming events.

[Take the survey](#)

Share your feedback with us by completing the short online survey ... Thank you!



Dive in and explore the European Atlas of the Seas!

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



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Slide 51: Letters To the Sea, All rights reserved



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Credits: Pexels, Thirdman

Part 2 Practical Exercise

19:00 - 19:30



Goal of this session

Hands-on experience with the Atlas, through the use of the 'My Locations' tool.

New possibilities with 'My Locations':

- Personalised mapping
- Enhanced teaching
- Customised demonstration
- Saved time and simplified navigation
- Possibility to update and share your maps
- Ease of use



Practical exercise: Let's dive in !

Choose one of the following scenarios



- **Partner schools collaboration**

Map shared projects with other schools or exchange activities

- **Field trips**

Map past or future field trips with your students at European or local level using the zoom tool

- **Be creative !**

Map your current / future activities



Step 1: Activate the 'My Locations' tool

The screenshot shows the user interface of the European Atlas of the Seas. At the top, there is a navigation bar with the European Commission logo, a help icon, language selection (English EN), social media links (Follow us), and a feedback icon. Below this is a breadcrumb trail: European Commission > Maritime Affairs > European Atlas of the Seas. The main content area features a large blue header with an information icon and the title "European Atlas of the Seas". Below the title, a descriptive paragraph reads: "Explore, collate and create your own sea map. Learn more about Europe's seas and coasts, their environment, related human activities and European policies." At the bottom of the page, there are two columns of blue buttons with white icons and text. The buttons are: "Do you need help?", "Advanced features" (highlighted with a red dashed box), "Atlas overview", "Teachers corner", "Legal notice", and "Accessibility". On the left side, a sidebar is partially visible, showing a search icon, a menu icon, and a "Layers (0)" section with a "Select Basemap" option and an "EMODnet template" map thumbnail. On the right side, a vertical toolbar contains icons for zooming in (+), zooming out (-), home, print, and a drawing tool.

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
- Teachers corner
- Legal notice
- Accessibility

Step 1: Activate the 'My Locations' tool

The screenshot shows the 'Advanced features' settings panel. The panel is titled 'Advanced features' and contains four items, each with a toggle switch:

- Print tool**: Printing service to allow the current map to print. Toggle is ON.
- Measures tool**: Tool to determine areas, distances and coordinates. Toggle is ON.
- Save map**: Save the map settings. Toggle is ON.
- My locations** (marked as 'NEW'): Add data from table. Toggle is ON. This item is highlighted with a red dashed box, and a red arrow points from it to a location pin icon in the right-hand toolbar.

Step 2: Access your working space with the EU Login

The image shows a web application interface for a map. The background is a satellite-style map of Europe. In the top left corner, there is a search bar and a scale bar (0, 200, 400km). In the top right corner, there is a "Sign in EU Login" button. On the right side, there is a vertical toolbar with icons for home, zoom in, zoom out, print, measure, save, and location. In the bottom right corner, there are logos for "Powered by Esri, GEBCO, Garmin, NaturaVue" and "EMODnet".

In the center of the map, there is a blue modal dialog box with the text "Sign in to EU Login to see your saved maps" and a close button (x). Below the text is a white button labeled "EU Login".

On the left side, there is a "Layers (0) Legend" panel. It has a "Select Basemap" section with two options: "EMODnet template" and "Cities template". Below this is a "Clear all layers" button.

Step 3: Start create your map !

The screenshot displays the EMODnet Atlas interface. On the left, a vertical toolbar contains icons for a menu, search, layers, refresh, and user profile. A scale bar at the top left indicates 0, 200, and 400 km. The main area is a bathymetric map of the Atlantic Ocean. A red dashed box highlights the 'My locations' panel on the right. This panel includes a header, a text box with a 'Copy from a table' button, a table with one row, and several control buttons. The table has columns for ID, Latitude, Longitude, and Description. The user's email 'nathalie.van.isacker@emodnet.eu' is visible in the top right corner of the panel.

Import your data into the Atlas

OR

Create a table with your data in the Atlas

nathalie.van.isacker@emodnet.eu

My locations

You can fill the table manually or you can copy your data from a table. See here the requirements [i](#)

[Copy from a table](#)

ID	Latitude	Longitude	Description	
<input type="checkbox"/> 1	43.25	-5.256	Description 1	Add column

[Add row](#) [Remove selection](#) [Remove table](#) [Next >](#)

Powered by EMODnet

Esri, GEBCO, Garmin, NaturalVue

Practical exercise: Get ready, get set, ... Go!



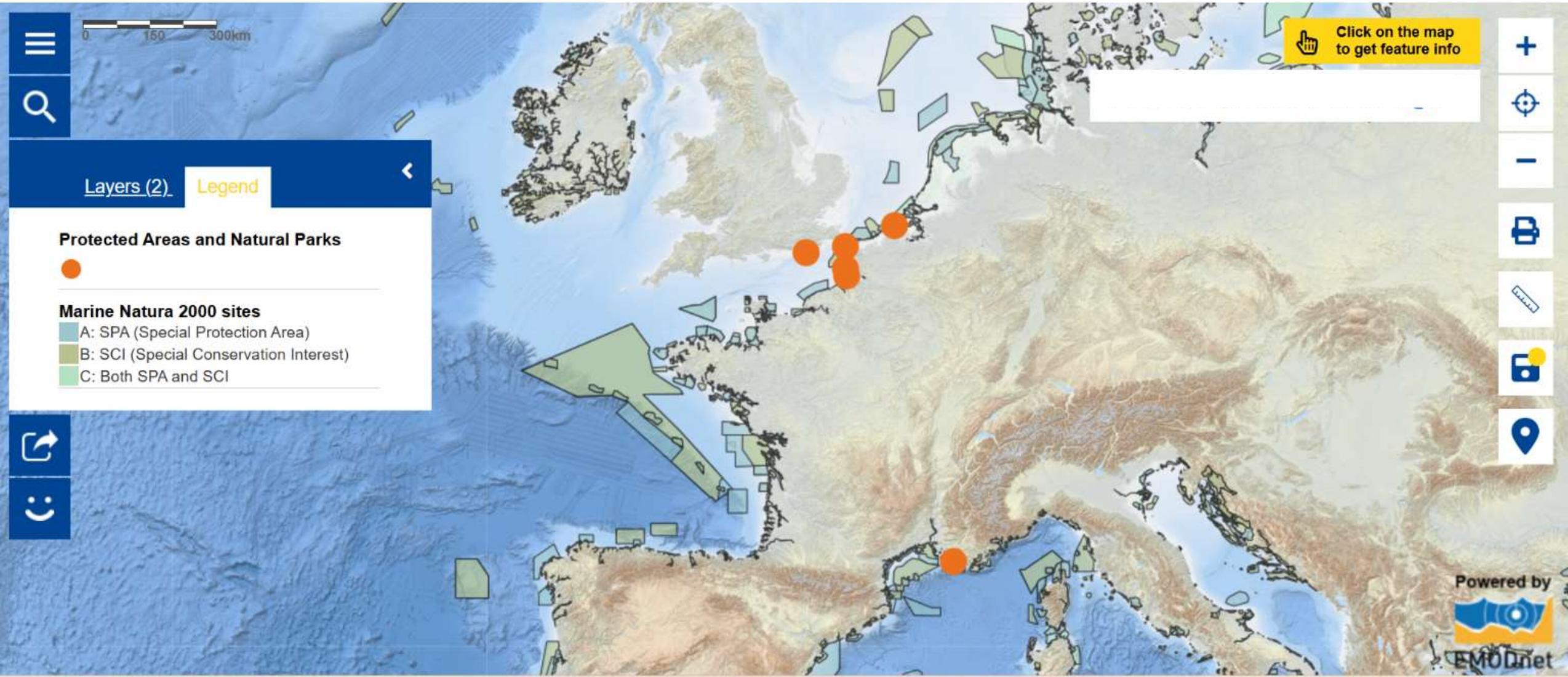
1. Choose the map you wish to create: partner schools collaboration, field trips or other;
2. Activate 'My Locations': Menu < Advanced features > Activate My locations and Save map;
3. Log in the Atlas with your EU Login;
4. Start using 'My Locations' by importing your data or creating a table with your data;

You have 20 minutes to create a first draft of your map !

We are here to guide you! Turn on your microphone and let us know how we can help!



My example: Protected Areas and Natural Parks 2024



My example: Protected Areas and Natural Parks 2024

The screenshot shows a web application interface for 'Protected Areas and Natural Parks 2024'. The main map displays the North Sea region with various protected areas highlighted in green and orange. A scale bar indicates 0, 200, and 400 km. A search bar is visible in the top left. A yellow tooltip in the top right says 'Click on the map to get feature info'. A 'Layers (2)' panel on the left shows the legend for 'Protected Areas and Natural Parks' and 'Marine Natura 2000 sites'. The 'Marine Natura 2000 sites' legend includes: A: SPA (Special Protection Area), B: SCI (Special Conservation Interest), and C: Both SPA and SCI. A 'My locations' table on the right lists four locations with their IDs, coordinates, names, and descriptions. The table has columns for ID, Latitude, Longitude, Natural ... (with a dropdown arrow), and Descript... (with a dropdown arrow). An 'Add column' button is located to the right of the table. The bottom right corner features the 'Powered by EMODnet' logo.

Layers (2) Legend

Protected Areas and Natural Parks

Marine Natura 2000 sites

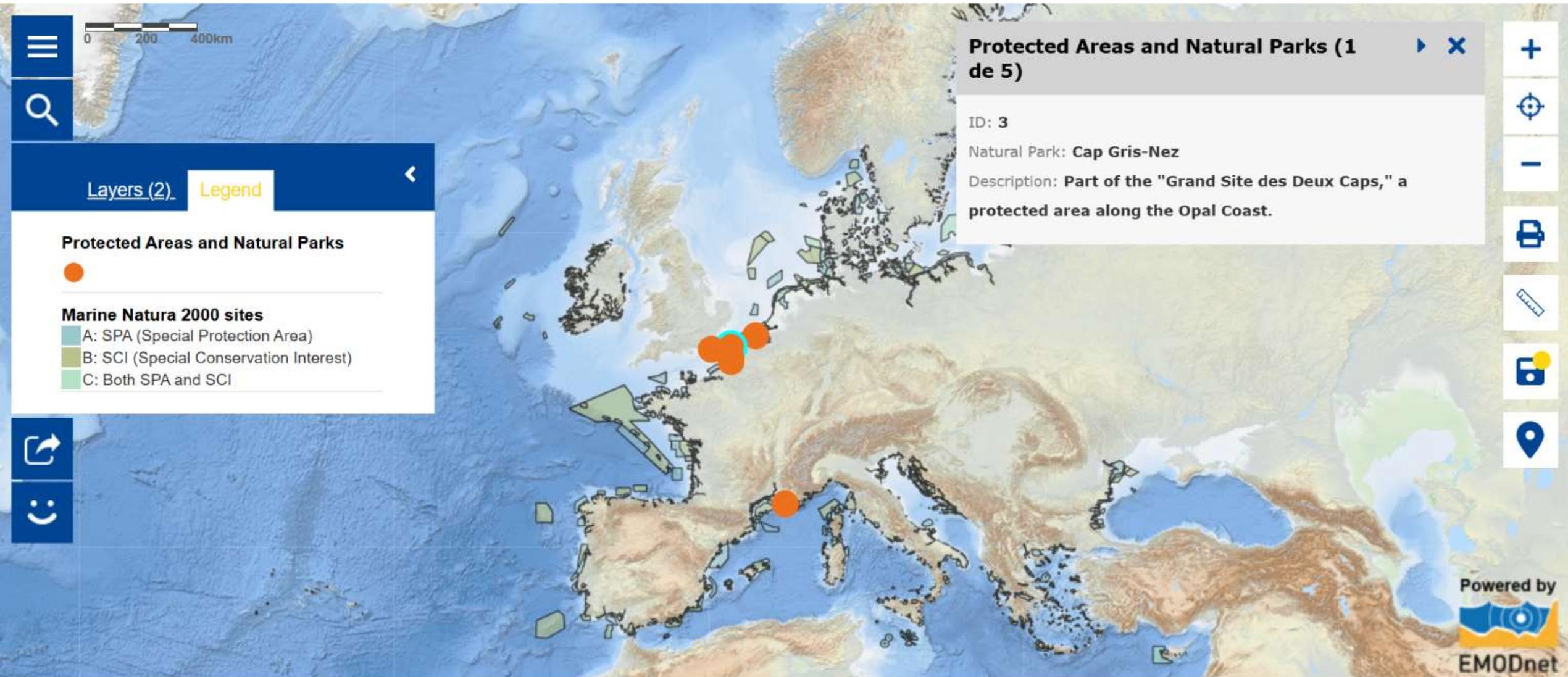
- A: SPA (Special Protection Area)
- B: SCI (Special Conservation Interest)
- C: Both SPA and SCI

My locations

ID	Latitude	Longitude	Natural ...	Descript...	Add column
<input type="checkbox"/> 1	51,358992	3,348991	Zwin Natural Par	A coastal area cc	
<input type="checkbox"/> 2	50,202892	1,62462	Baie de Somme	A UNESCO Bios	
<input type="checkbox"/> 3	50,871051	1,582607	Cap Gris-Nez	Part of the "Gran	
<input type="checkbox"/> 4	50,746382	0,194139	Seven Sisters	A small estuary k	

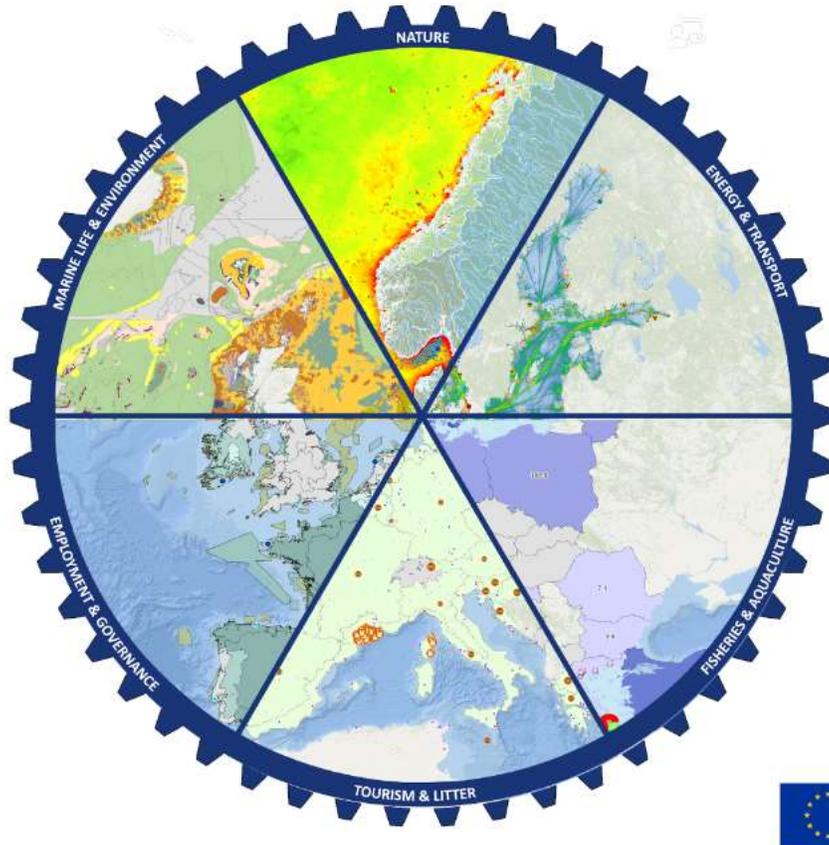
Powered by EMODnet

My example: Protected Areas and Natural Parks 2024



Final Remarks and Next Steps

The European Atlas of the Seas



Thank you for your participation !

Do not hesitate to continue working on your maps and send them to us via email

Share your feedback with us by completing the short online survey

Questions? Contact us at:
Nathalie.van.isacker@emodnet.eu



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

We are looking forward to your feedback!

The screenshot shows the user interface of the European Atlas of the Seas. At the top, there is a navigation bar with the title "European Atlas of the Seas" and several menu items: "Home", "Agenda", "Participants", "Marketplace", and "Maritime Fo". To the right of the menu are icons for a handshake, a speech bubble, a calendar, and a bell. A user profile picture is also visible. Below the navigation bar, a message reads: "Hello Nathalie! Congratulations on successfully registering for the Bring the ocean into your classroom with the European Atlas of the Seas. Follow the steps below to finish setting up your networking profile and explore its possibilities." Underneath this message is a section titled "Next Steps" containing a "Leave feedback" section with the text: "Please take a few minutes and leave some feedback so that we can improve our upcoming events." A blue button labeled "Take the survey" is highlighted with a dashed purple border. On the right side of the interface, a user profile dropdown menu is open, listing options: "Dashboard", "My opportunities", "Event settings", "Account settings", "Help", and "Log out".

Thank you!



Dive in and explore the European Atlas of the Seas!

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



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