

The multiple ways to use the European Atlas of the Seas in education

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

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Do my actions at school
influence the ocean?

Where can I find information
on the ocean?

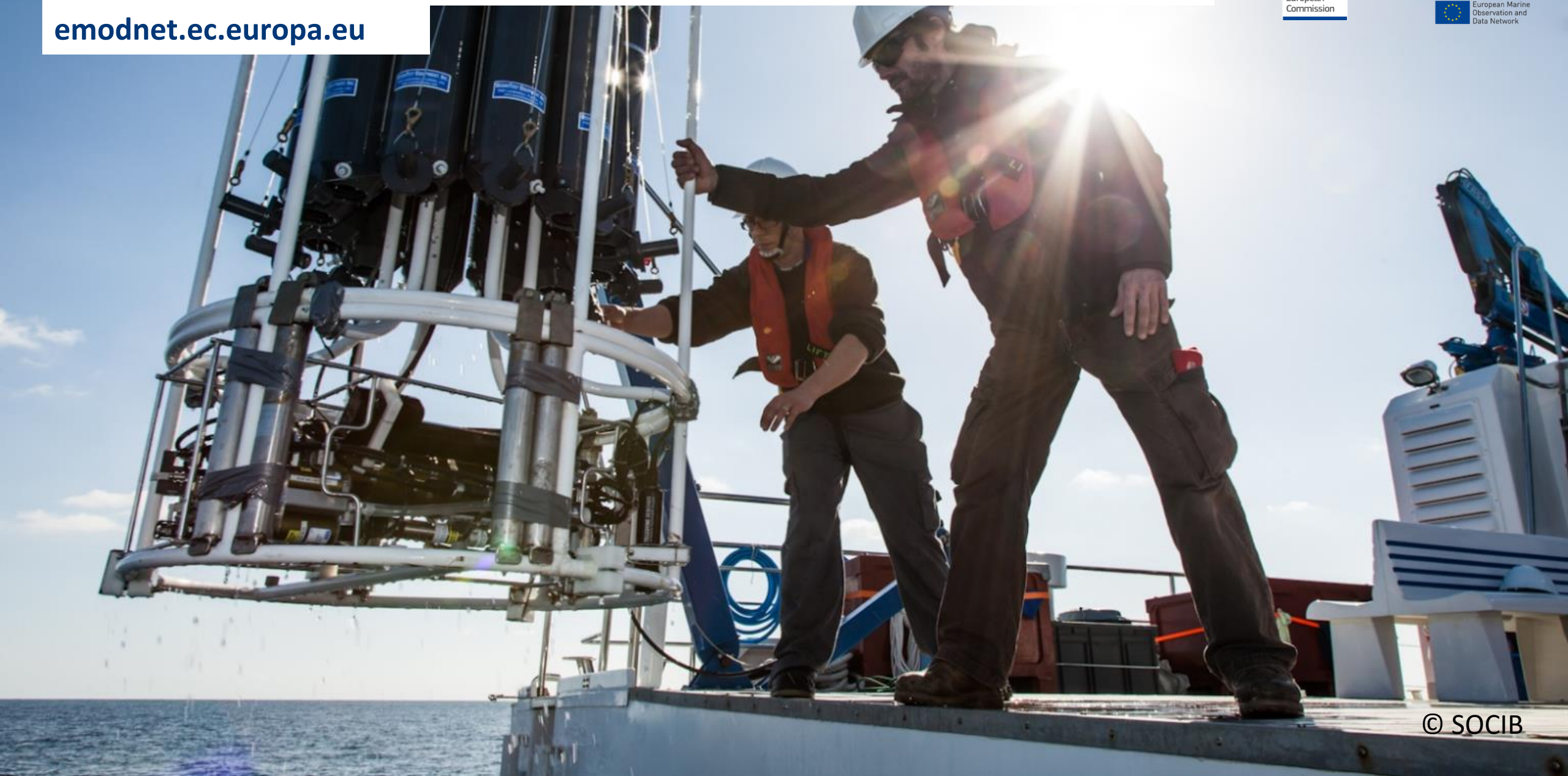
What is the closest river to
where I live? How far is it?
How is it linked to the sea?

How do we know what we
know about the ocean?



European Marine Observation and Data Network

emodnet.ec.europa.eu



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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 275 interactive map layers
- Identified data sources
- Custom maps
- Easily accessible
- 24 official languages
- Print & embed tools



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

How does it work?

24 languages

The screenshot shows the web interface of the European Atlas of the Seas. A red dashed circle highlights the hamburger menu icon in the top-left corner. Another red dashed circle highlights the language selection area at the top, which includes a question mark icon, the word 'English', and a speech bubble icon with 'EN'. A red arrow points from the text '24 languages' to this area. Below the header, the breadcrumb trail reads 'European Commission > Maritime Affairs > European Atlas of the Seas'. The main title 'European Atlas of the Seas' is displayed with an information icon. Below the title, a description states: '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 navigation buttons. The left column contains three buttons: 'Do you need help?' (with a question mark icon and a yellow starburst labeled 'v7'), 'Advanced features' (with a gear icon), and 'Atlas overview' (with a globe icon). The right column contains two buttons: 'Teachers corner' (with a person and screen icon) and 'Legal notice' (with a speech bubble icon). All these buttons are enclosed in red dashed circles. The background of the interface is a blue ocean map. On the far left, a sidebar shows a search bar, a 'Layers' section, and a 'Select Base' map. On the far right, a vertical toolbar contains icons for zooming in (+), zooming out (-), a target icon, a print icon, and a scale bar. At the bottom right, the text 'Powered by' is followed by the EMODnet logo and the text 'Esri, GEBCO, DeLorme, NaturalVue EMODnet'.

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? v7
- Advanced features
- Atlas overview
- Teachers corner
- Legal notice

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Esri, GEBCO, DeLorme, NaturalVue
EMODnet

Creating your map by combining map layers

The screenshot displays the EMODnet map interface. On the left, a sidebar contains a menu icon, a search icon (circled in red), and a 'Layers (0)' section with two map thumbnails labeled 'Microalgae'. The main panel is titled 'Add layers to the map' and features a search bar, tabs for 'Predefined maps (19)', 'Layers', and 'Map stories', and a list of layers. The 'Layers' tab is active, showing two categories: 'Algae production' and 'Aquaculture'. Under 'Algae production', two items labeled 'Macroalgae production facilities' are listed, each with a checked checkbox and an information icon (circled in red). Under 'Aquaculture', two items are listed: 'Aquaculture production' and 'Aquaculture production by species', both with unchecked checkboxes. The top of the interface includes a header with the European Union flag, a help icon, language settings (English EN), social media links (Follow us, Give feedback), and a close icon (circled in red). The bottom right corner shows the text 'Powered by' and the EMODnet logo, with a footer listing 'Esri, GEBCO, DeLorme, NaturalVue'.

English EN Follow us Give feedback

Add layers to the map

Search for layers

Predefined maps (19) Layers Map stories

Algae production

- ☒ Macroalgae production facilities
- ☒ Macroalgae production facilities

Aquaculture

- ☐ Aquaculture production
- ☐ Aquaculture production by species


Powered by EMODnet

Esri, GEBCO, DeLorme, NaturalVue


Reading the map description and finding out who the Data Provider is

The screenshot displays a web map interface for macroalgae production facilities. The map shows Europe with various colored markers representing production facilities. The interface includes a search bar (magnifying glass icon) and a layers panel on the left. The layers panel has a 'Layers (2)' tab and a 'Legend' tab. The 'Layers (2)' tab shows two layers: 'Macroalgae production facilities' and another layer with a graduation cap icon. The 'Macroalgae production facilities' layer is selected, and its details are shown in the legend. The legend includes a map thumbnail, a close button (X), and a gear icon. Below the legend is a 'Clear all layers' button. A 'Data Provider' window is open, showing the EMODnet logo and a description of the data. The window title is 'Data Provider' and it contains the following text:

Data Provider

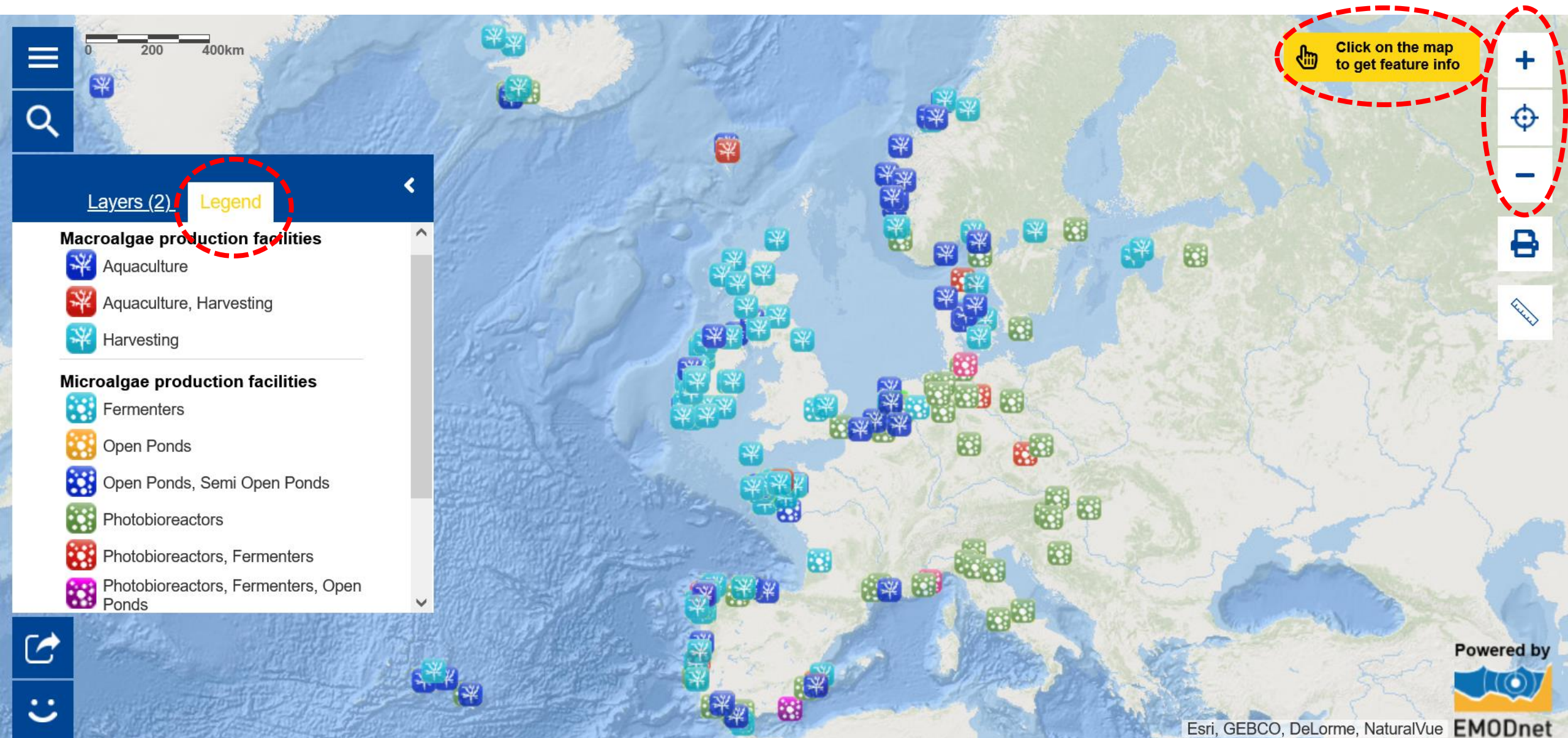
 This map shows macroalgae-producing facilities by production methods (land-based, offshore and coastal aquaculture or harvesting). Data have been collected in the following countries: Belgium, Denmark, Estonia, France, Germany, Ireland, Italy, Norway, Portugal, Spain, Sweden, and UK. Macroalgae, also 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.

Click on the map to get feature info

Powered by  **EMODnet**

Esri, GEBCO, DeLorme, NaturalVue

Reading the map and accessing additional content



Integrating your map in your work with the Print tool

☰

🔍

Layers (0)

Macroalgae


- Aquaculture
- Aquaculture
- Harvest

Microalgae

- Fermentation
- Open Pond
- Open Pond
- Photobioreactor
- Photobioreactor
- Photobioreactor Ponds


🔄

😊



?

English EN


Follow us 

Give feedback 😊

✕

Print

EUROPEAN ATLAS OF THE SEAS



May 23, 2022

1:147.914.381

0 2000 4000km

Next >

Paper size:

+

A3 Landscape

▼

Format:

☒ PDF

☐ JPG

☒ Include legend

Layers for print >

Map title:

EUROPEAN ATLAS OF THE SEAS


Scale:

1 : 147.914.381

▼

🖨️

📏

Powered by  EMODnet

My Maps: Your working space in the Atlas!

The screenshot shows the 'Add layers to the map' dialog box. At the top, there is a header bar with the European Union flag, a help icon, language options (English, EN), social media links (Follow us, Twitter), a feedback link (Give feedback), and a close button (X). Below the header, the title 'Add layers to the map' is displayed. A search bar labeled 'Search for layers' is present. Underneath, there are three tabs: 'Predefined maps (19)', 'Layers', and 'Map stories'. The 'Map stories' tab is highlighted with a red dashed oval and contains the text 'My Maps: coming soon!'. Below the tabs, there is a grid of six map thumbnails. The first row contains 'Europe' (flag), 'Tourism' (underwater scene), and 'Nature' (seagull). The second row contains three more thumbnails: a landscape with clouds, wind turbines, and a swan. The background of the dialog is a map of Europe. On the left side of the main window, there is a sidebar with a menu icon, a search icon, and a 'Layers (0)' section. On the right side, there is a vertical toolbar with icons for zooming, centering, and other map controls. At the bottom right, there is a footer with the text 'Powered by' and the EMODnet logo.

English EN Follow us Give feedback

Add layers to the map

Search for layers

Predefined maps (19) Layers Map stories **My Maps: coming soon!**

Europe Tourism Nature

Esri, GEBCO, DeLorme, NaturalVue EMODnet

Learning to use the Atlas' tools in 24 languages !

European Atlas of the Seas help

About the European Atlas of the Seas basics and how to create and share your map

[Map Navigation tool](#)[Follow us](#)

[Explore and search](#)[Give feedback](#)

[Layer list and legend](#)[Video tutorial](#)

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.




Click here to explore our new help tool

Search for layers

Predefined maps (19)

Create a map

Map stories

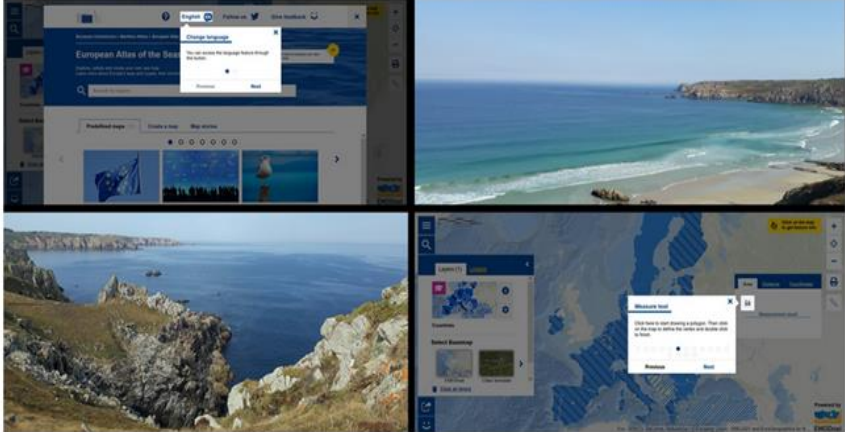


Powered by EMODnet

European Atlas of the Seas: interactive help now available in 24 languages!

Published on: Wed, 07/09/2022 - 15:56

For the start of the new school year, the European Atlas of the Seas is releasing its interactive help tool in 24 languages! With a few clicks in any of the 24 official languages of the European Union, you can now become an Atlas expert and find out everything you wish to know about the ocean, seas and coasts! Use this multilingual tool to easily learn how to use the Atlas and discover all of its features! Send us your questions and your comments by completing the feedback form within the Atlas! Take this opportunity to learn who is behind the Atlas, who its partners are and how users are benefitting with the launch of the Atlas interviews series!



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

Espace enseignants

Published on: Mon, 16/08/2021 - 15:49

Bienvenue sur l' "Espace enseignants" de l'Atlas européen des mers!

L'Atlas européen des mers est un outil web public qui offre de l'information interactive et diversifiée d'une façon compréhensible pour le grand public. Il est composé d'une collection de cartes avec des données fiables sur les caractéristiques naturelles et socio-économiques des régions côtières d'Europe. Les données proviennent dans la grande majorité de la Commission européenne et de ses agences (p.ex. Eurostat, EEA,...) et du réseau EMODnet (European Marine Observation and Data Network).

L'Atlas offre un océan d'information d'une façon conviviale sur des thèmes tels que la nature, le tourisme, la sécurité, l'énergie, les déchets, l'érosion côtière, la densité de trafic des navires, le transport de passagers, le fond marin, l'augmentation du niveau de mer, la consommation de poissons et bien plus encore !

Utilisez l'Atlas pour explorer et créer vos propres cartes. Sélectionnez différentes couches cartographiques, effectuez un zoom sur votre zone d'intérêt (par exemple, un bassin maritime, un pays, etc.), mesurez les distances et la superficie des zones et exportez votre carte personnalisée ou imprimez-la pour une utilisation ultérieure.

Ce wiki a été mis en place pour fournir une plate-forme aux enseignants de l'Union européenne qui souhaitent utiliser l'Atlas européen des mers dans leurs cours. Ils peuvent y trouver et partager des informations, des exercices et bien plus.

[Jusqu'à 12 ans](#) [De 12 à 15 ans](#) [De 15 à 18 ans](#)



Lancez-vous et commencez à explorer l'Atlas

Consultez la liste des couches

Regardez la "map of the week" (disponible en anglais)

Guide pour enseignants (sessions de formation à Nausicaá)

Présentations récentes

Espaço dos professores


Published on: Mon, 16/08/2021 - 16:02

A partir de agora, os visitantes podem navegar no Atlas nas 24 línguas oficiais da União Europeia, bem como explorar uma vasta gama de tópicos marinhos populares, como turismo, lixo, ambiente, energia, aquicultura e muito mais!

O Atlas conta com mais de 285 layers de informação e a possibilidade de criar mapas personalizados que podem ser impressos, partilhados e incluídos em artigos e apresentações.

[Até 12 anos](#) [12-15 anos](#) [15-18 anos](#)

Estes exercícios foram desenvolvidos graças à colaboração de professores do programa Escola Azul - Portugal. Cada exercício inclui os créditos respetivos. Estamos muito gratos pela sua dedicação e contribuição.



Explore, colija e crie o seu próprio mapa

Consulte a lista de camadas

Veja o "mapa da semana" (disponível em inglês)

Apresentações recentes

Teachers Corner

Published on: Mon, 16/08/2021 - 15:22

Welcome to the Teachers Corner of the European Atlas of the Seas!


The European Atlas of the Seas is a publicly accessible web-based tool, providing interactive and diversified information in a comprehensive way to a broad public. It is composed of a collection of maps with reliable data on natural and socio-economic features in the coastal regions of Europe. The data come primarily from the European Commission and its agencies (i.e. Eurostat, EEA, ...) and from the European Marine Observation and Data Network (EMODnet).

The Atlas offers an ocean of information in a user-friendly way about topics such as nature, tourism, security, energy, litter, coastal erosion, vessel density, passenger transport, sea bottom, sea level rise, fish consumption, and much, much more!

Use the Atlas to explore and compose your own maps! Select different layers, zoom in into your area of interest (e.g. a sea basin, a country...), measure distances and areas and export your customised map or print it for later use.

This wiki will be set up to provide teachers throughout the European Union, who want to use the European Atlas of the Seas in their lessons, a platform where they can find and share information, exercises and much more.

[Up to 12](#) [12 to 15](#) [15 to 18](#)



Launch and start exploring the Atlas

Consult the list of layers

Check out the map of the week!

Watch the latest presentations

Teachers Guide (Nausicaá training sessions)

Share this article

More like this

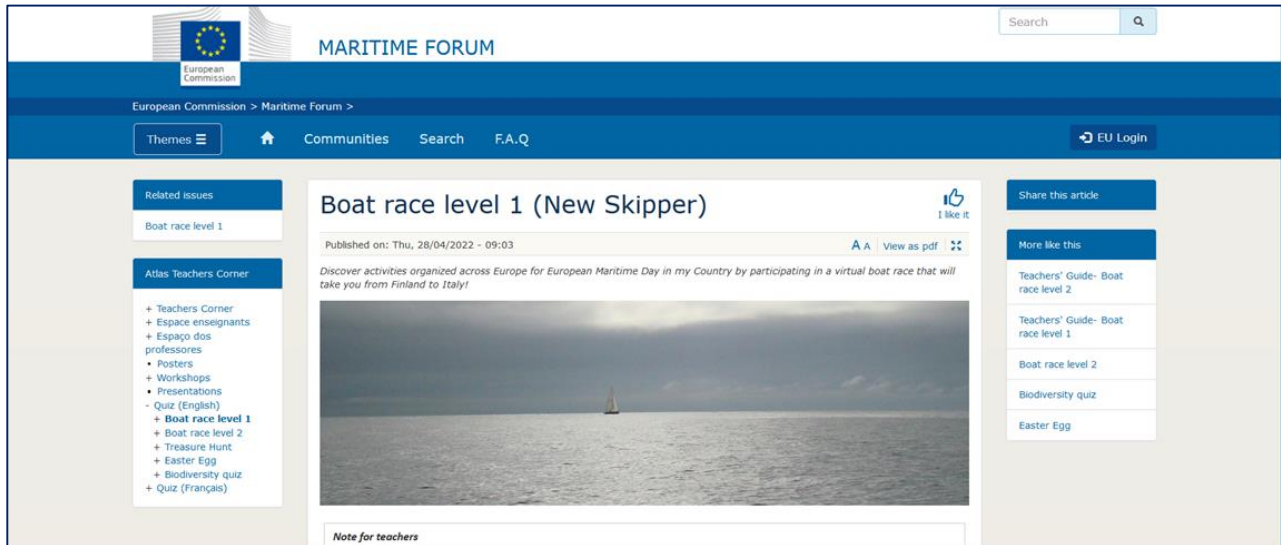
- Atlas Teachers Corner
- Teachers' Guide- Treasure Hunt
- Teachers' Guide- Easter Egg
- Ocean and seas
- Sea Bottom

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

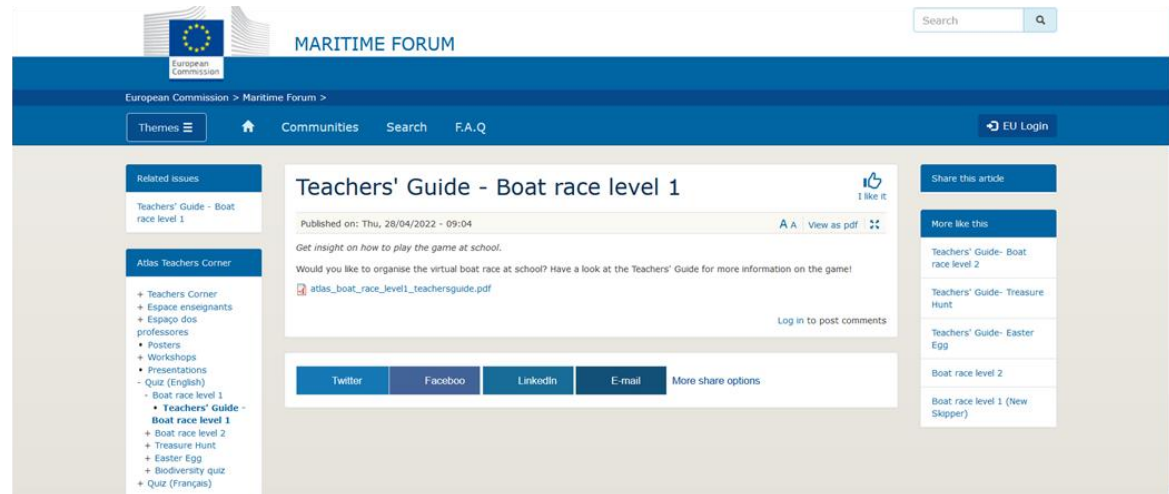


www.european-atlas-of-the-seas.eu

The Teachers Corner



The screenshot shows the Maritime Forum website with the European Commission logo. The main navigation bar includes 'Themes', 'Communities', 'Search', and 'F.A.Q.'. A sidebar on the left lists 'Related issues' and 'Atlas Teachers Corner' with various resources. The main content area features the article 'Boat race level 1 (New Skipper)' published on Thu, 28/04/2022 - 09:03. The article text describes activities for European Maritime Day and includes a photo of a sailboat on the water. A 'Note for teachers' section is visible at the bottom of the article.



This screenshot shows the 'Teachers' Guide - Boat race level 1' article on the Maritime Forum website. The article, published on Thu, 28/04/2022 - 09:04, provides insights on how to play the game at school and includes a link to the 'atlas_boa_race_level1_teachersguide.pdf'. The sidebar on the left is similar to the previous screenshot, and the main content area includes social media sharing options for Twitter, Facebook, LinkedIn, and E-mail.

Quiz biodiversité

Published on: Fri, 18/02/2022 - 10:00

View as pdf 1 like



Le réseau des sites Natura 2000 est un instrument important pour la protection de la biodiversité dans l'Union européenne. Il s'étend sur 18% du territoire terrestre et quel pourcentage du territoire marin?

- A. Moins que 10%
- B. Environ 20%
- C. Plus que 30%

Developping competences



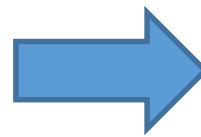
- ✓ reading, understanding and interacting with a **map**;
- ✓ reading and understanding **graphic information**;
- ✓ creating a map using different **map layers**;
- ✓ **measuring distances** on map;
- ✓ learning to **search for information** online and **summarizing findings** into a presentation;
- ✓ working in different **languages**.



Integrating the Atlas in school work and projects



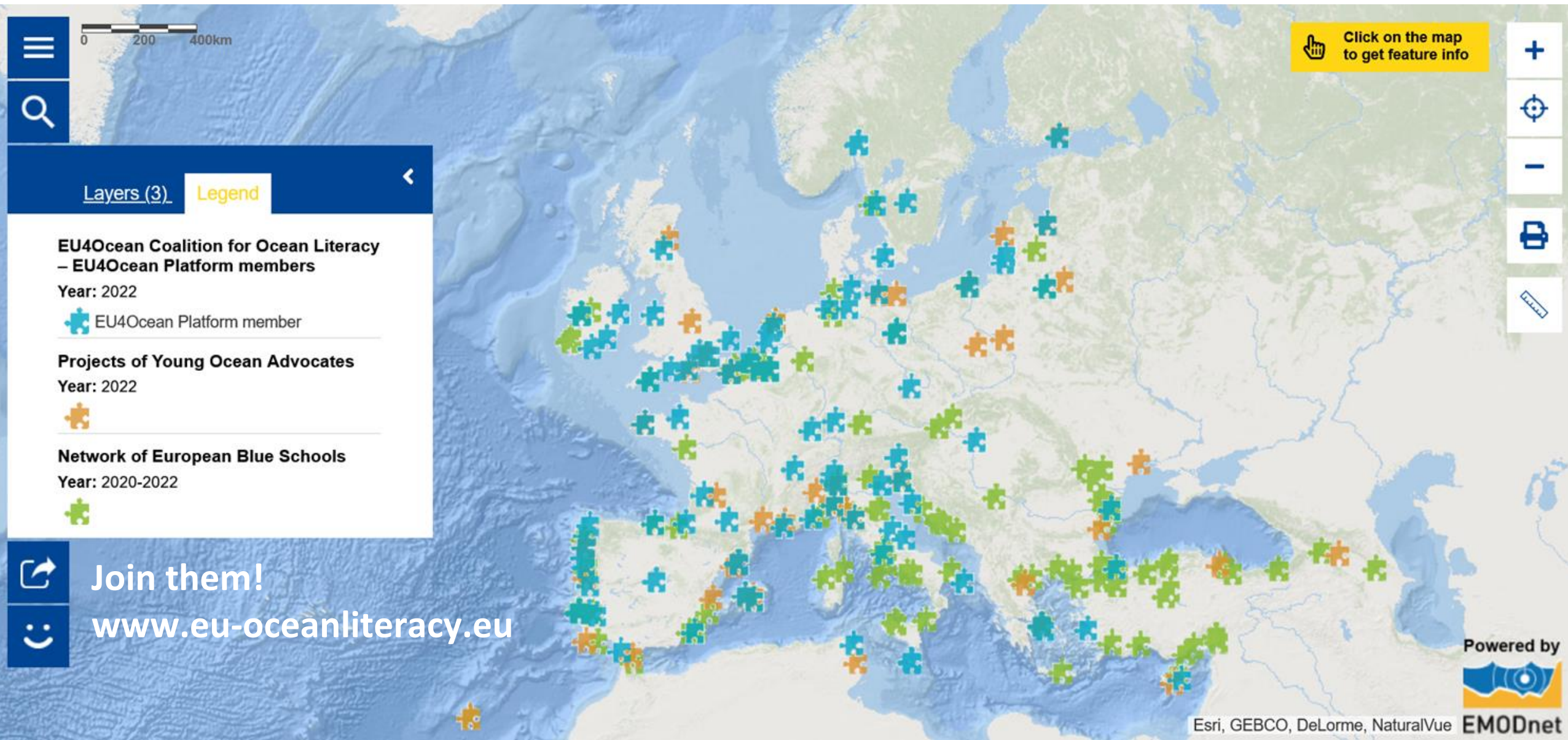
- ✓ Geography
- ✓ Science, Technology, Engineering, and Mathematics (STEM)
- ✓ Nature conservation
- ✓ Environmental issues
- ✓ Blue Economy
- ✓ Sustainable development



Cross-curricular activities



The Atlas as an Ocean Literacy tool & the EU4Ocean Coalition



Education for Climate Challenge: Students become Data Providers!

<https://education-for-climate.ec.europa.eu/community/Atlas/about>

- ✓ Measure surface water temperature in the sea, river, lake or pond
- ✓ Submit your data online and contribute to the new citizen science map in the Atlas!



Log in ▾

Home Your Profile ▾ Members & Groups ▾ Content ▾ Challenges ▾ Events & News ▾ About ▾ 🔍

Challenge

Let's explore, collect and report | 11 Sep - 29 Nov 2022

Be a scientist! Mapping climate change at seas & waterways

Share this page



3

ideas

34

participants

6

phases

[See challenge information](#)

Stream

Ideas

About

Events

Topics

Participants

Participate in and get to experience science & research from behind the scenes of the European Atlas of the Seas!



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/maritimeaffair... 📅 Joined September 2013

1,377 Following 2,587 Followers

Follow

European Atlas of the Seas @EuropeAtlasSeas · Oct 1

With the #MapOfTheWeek, learn about global #ocean #chlorophyll, 🇪🇺 #MissionOcean and the @CMEMS_EU Ocean State Report.

▶ bit.ly/2Y8Pi1L

🌐 #OceanLiteracy #EU4Ocean



EU Maritime & Fish and 9 others

💬 8 ❤️ 11 ↗



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



Thank you!
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European
Commission



EMODnet
European Marine
Observation and
Data Network

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Slide 18: Education for Climate, All rights reserved



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