

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

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

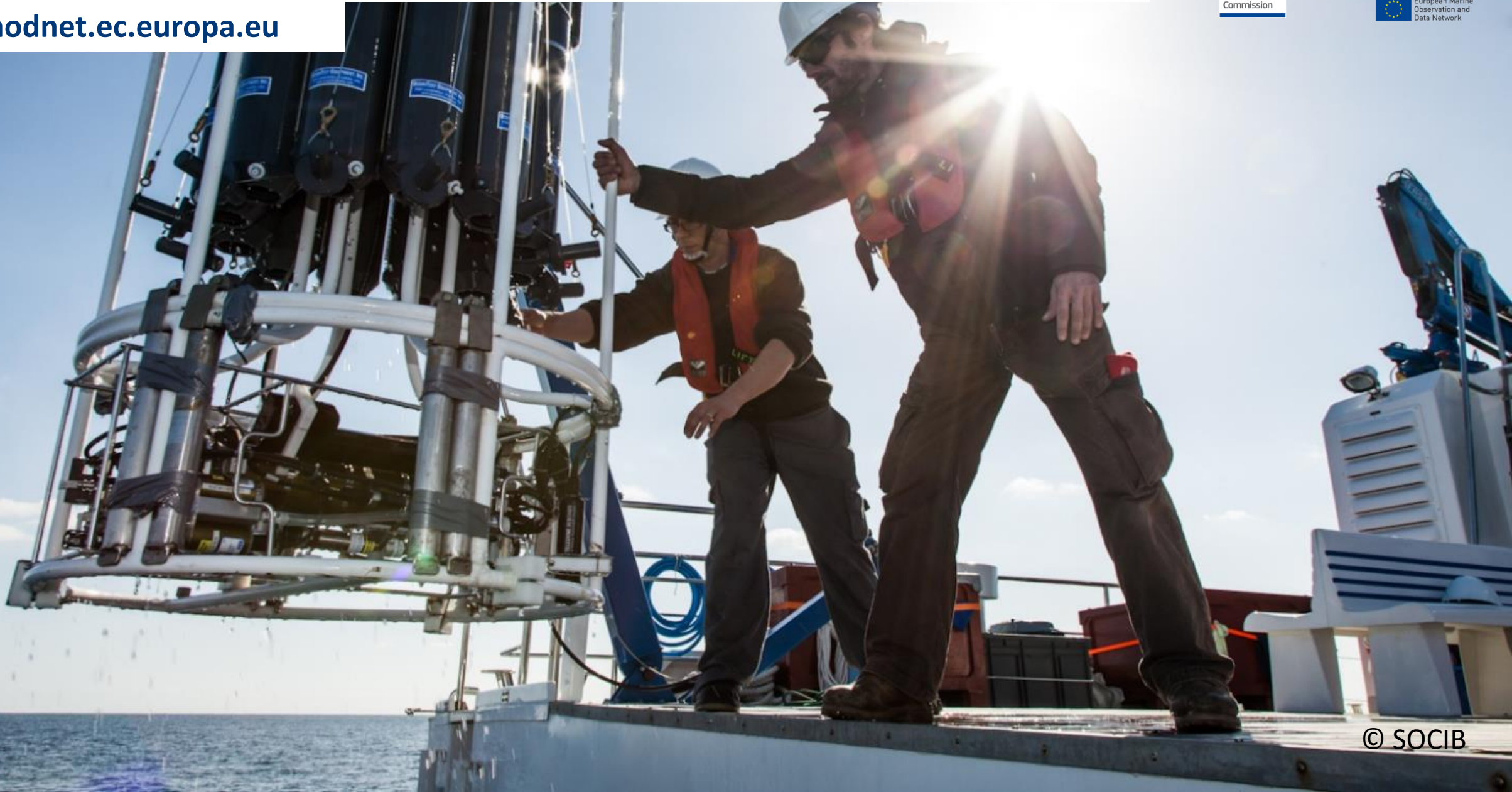
How do we know what we know about the ocean?





# European Marine Observation and Data Network

[emodnet.ec.europa.eu](http://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 275 interactive map layers
- Identified data sources
- Custom maps
- Easily accessible
- 24 official languages
- Print & embed tools



# How does it work?

24 languages

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, a language selector set to 'English EN', social media links for 'Follow us' (Twitter), and a 'Give feedback' button. Below this is a breadcrumb trail: 'European Commission > Maritime Affairs > European Atlas of the Seas'. The main heading is 'European Atlas of the Seas' with an information icon. The sub-heading 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: the left column contains 'Do you need help?' (with a yellow 'v7' badge), 'Advanced features', and 'Atlas overview'; the right column contains 'Teachers corner' and 'Legal notice'. Red dashed circles highlight the menu icon on the left, the language selector, the 'Do you need help?' button, the 'Advanced features' button, the 'Atlas overview' button, the 'Teachers corner' button, and the 'Legal notice' button.



# Creating your map by combining 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, the language 'English EN', social media links for 'Follow us' and 'Give feedback', and a close icon (X) circled in red. Below this is a blue header for the 'Add layers to the map' panel. A search bar with the placeholder text 'Search for layers' is present. Below the search bar are three tabs: 'Predefined maps (19)', 'Layers' (which is selected), and 'Map stories'. The 'Layers' section is divided into two categories: 'Algae production' and 'Aquaculture'. Under 'Algae production', there are two layers, both of which have a checked checkbox and are circled in red. Under 'Aquaculture', there are two layers, both of which have an unchecked checkbox. The bottom of the interface shows a 'Clear all' button and a 'Powered by EMODnet' logo.

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

0 200 400km


Click on the map to get feature info


Layers (2) Legend

Macroalgae production facilities

Clear all layers

### Data Provider

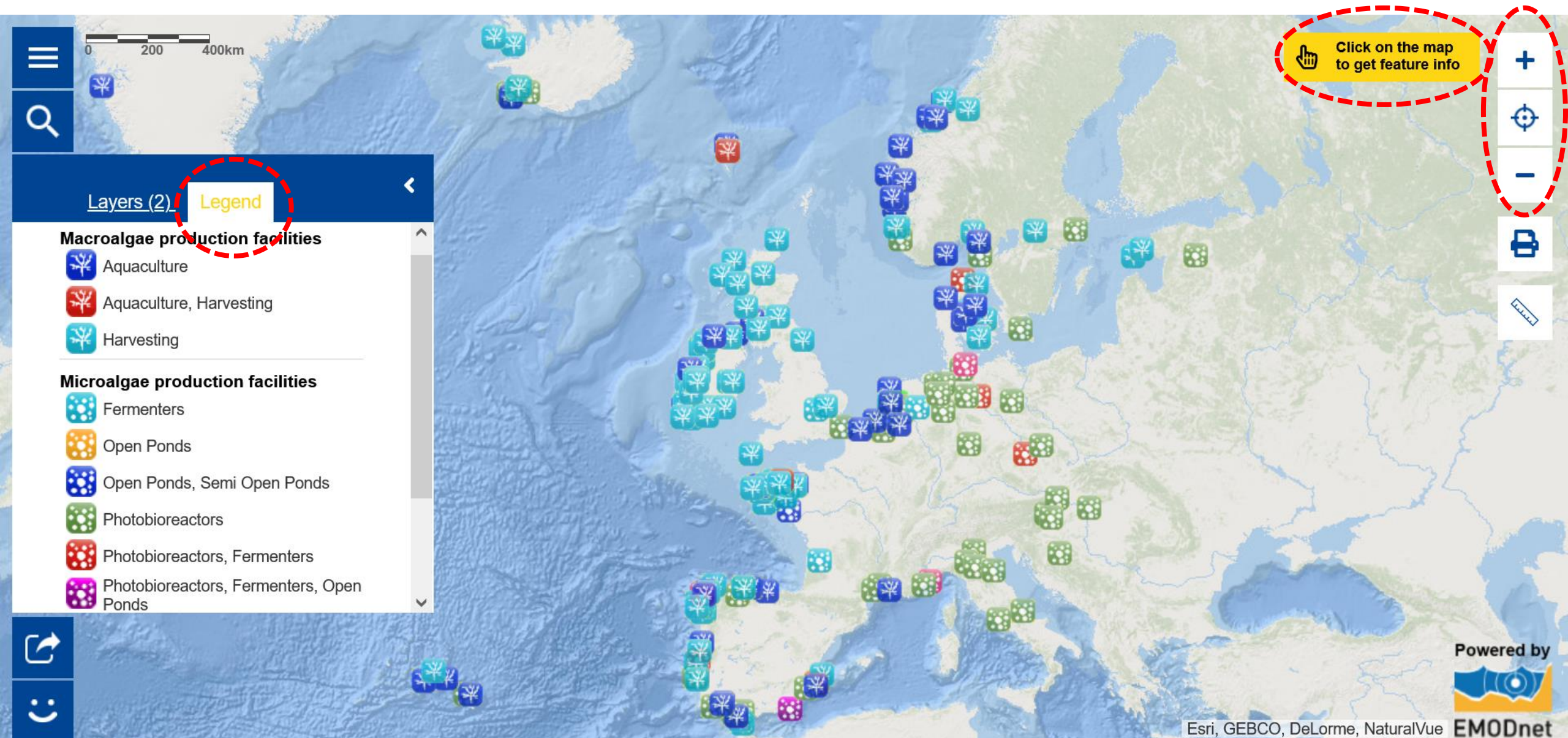
 This map shows macroalgae-producing facilities by production methods (land-based, offshore and coastal aquaculture or harvesting). Data have been collected in the following countries: Belgium, Denmark, Estonia, France, Germany, Ireland, Italy, Norway, Portugal, Spain, Sweden, and UK. Macroalgae, also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



# Integrating your map in your work with the Print tool

English EN Follow us Give feedback

## Print

**EUROPEAN ATLAS OF THE SEAS**

May 23, 2022 1:147.914.381

0 2000 4000km

**Paper size:**  
A3 Landscape

**Format:**  
 PDF  JPG

Include legend

**Layers for print** >

**Map title:**  
EUROPEAN ATLAS OF THE SEAS

**Scale:**  
1 : 147.914.381

Next >

Powered by EMODnet



# My Maps: Your working space in the Atlas!

The screenshot shows the 'Add layers to the map' panel in the EMODnet Atlas. At the top, there is a header with the European Union flag, a help icon, the language 'English EN', social media links for 'Follow us' and 'Give feedback', and a close button. Below the header is a search bar labeled 'Search for layers'. A horizontal menu below the search bar contains four tabs: 'Predefined maps (19)', 'Layers', 'Map stories', and 'My Maps: coming soon!'. The 'My Maps: coming soon!' tab is highlighted with a red dashed circle. Below the tabs, there is a grid of six map layer thumbnails. The first row contains 'Europe' (with a European Union flag), 'Tourism' (with an underwater scene of fish), and 'Nature' (with a seagull). The second row contains three thumbnails: a landscape with a blue sky and green hills, a wind turbine, and a swan on a rocky shore.

# 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.

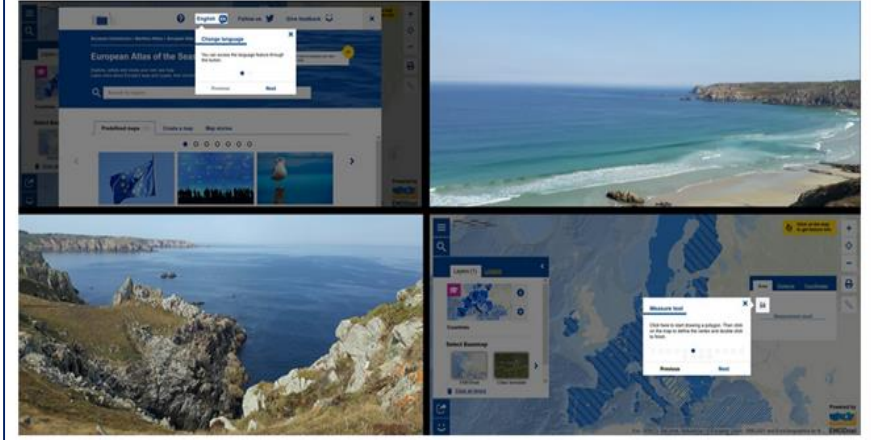
Search for layers

Predefined maps (19) Create a map Map stories

## 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.

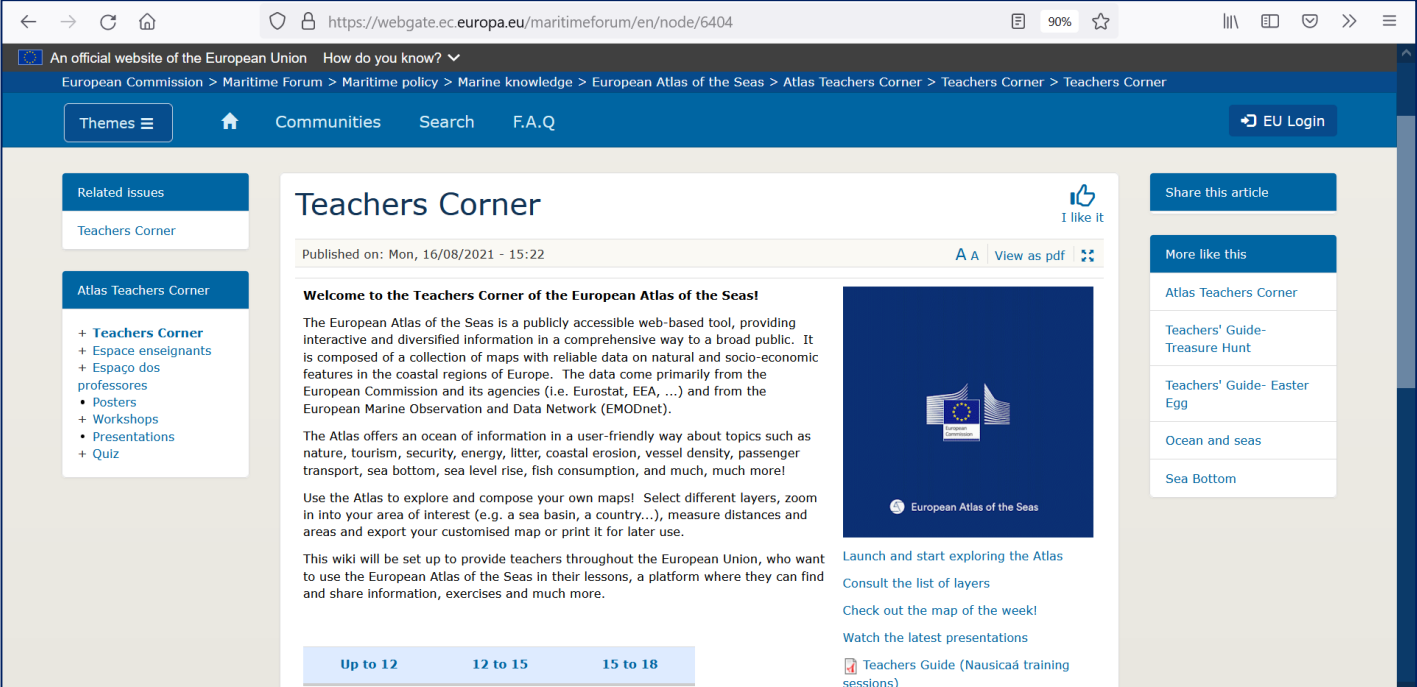


Explore, colija e crie o seu próprio mapa

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

# The Teachers Corner

The screenshot shows the Maritime Forum website interface. At the top, there is a search bar and the 'MARITIME FORUM' logo. Below the navigation bar, the article 'Boat race level 1 (New Skipper)' is displayed. The article includes a 'Published on' date of Thu, 28/04/2022 - 09:03, a 'Share this article' button, and a 'More like this' section with links to 'Teachers' Guide- Boat race level 2', 'Teachers' Guide- Boat race level 1', 'Boat race level 2', 'Biodiversity quiz', and 'Easter Egg'. A sidebar on the left contains 'Related issues' and 'Atlas Teachers Corner' with various links. A 'Note for teachers' section is visible at the bottom of the article content.

The quiz interface is titled 'Quiz biodiversité' and includes a 'Published on' date of Fri, 18/02/2022 - 10:00. It features a large image of a seagull on a rocky shore with a thought bubble that says 'Testez vos connaissances!'. Below the image, the quiz question is: '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?'. The options are: A. Moins que 10%, B. Environ 20%, and C. Plus que 30%.

This screenshot shows the 'Teachers' Guide - Boat race level 1' article on the Maritime Forum website. The article is published on Thu, 28/04/2022 - 09:04. It includes a 'Share this article' button and a 'More like this' section with links to 'Teachers' Guide- Boat race level 2', 'Teachers' Guide- Treasure Hunt', 'Teachers' Guide- Easter Egg', 'Boat race level 2', and 'Boat race level 1 (New Skipper)'. A sidebar on the left contains 'Related issues' and 'Atlas Teachers Corner' with various links. Social media sharing options for Twitter, Facebook, LinkedIn, and E-mail are provided at the bottom of the article.





# Developping competences



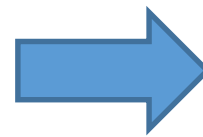
- ✓ reading, understanding and interacting with a **map**;
- ✓ reading and understanding **graphic information**;
- ✓ creating a map using different **map layers**;
- ✓ **measuring distances** on map;
- ✓ learning to **search for information** online and **summarizing findings** into a presentation;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

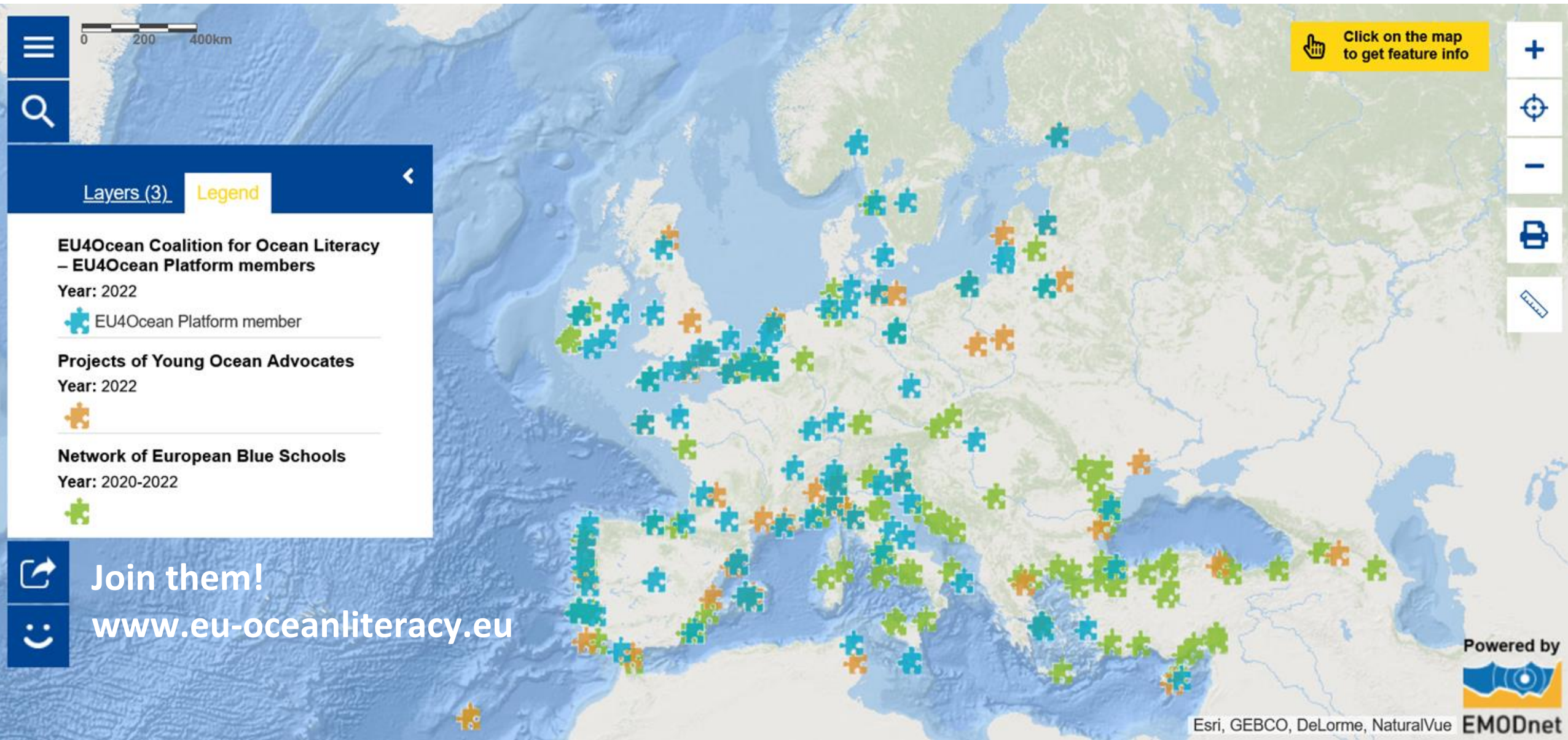


Cross-curricular activities





# 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...](https://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](https://bit.ly/2Y8Pi1L)

[#OceanLiteracy](#) [#EU4Ocean](#)



EU Maritime & Fish and 9 others

8 11



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