

Conference 2022

 Palma Aquarium

Palma, Illes Balears, Spain

Blue education and the European Atlas of the Seas: new developments!

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European Marine Observation and Data Network (EMODnet) Secretariat

28 September 2022





emsea

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

A VOICE FOR OCEAN LITERACY ACROSS EUROPE AND BEYOND.



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?



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European Marine Observation and Data Network

emodnet.ec.europa.eu



What is the European Atlas of the Seas?

- 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



Tourism



Nature



Sea life



Transport



Sea bottom



Energy



Security



Fishing stocks and quota



Aquaculture



Employment



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How does it work?

24 languages

Questions/ideas

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', a 'Follow us' link with a Twitter icon, and a 'Give feedback' link with a smiley face icon. 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 question mark icon and a 'v7' badge), 'Advanced features' (with a gear icon), and 'Atlas overview' (with a globe icon). The right column contains 'Teachers corner' (with a person and screen icon) and 'Legal notice' (with a speech bubble icon). Red dashed circles highlight the language selector, the 'Give feedback' button, the 'Do you need help?' button, the 'Teachers corner' button, and the 'Atlas overview' button.

How does it work?

0 20

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
- Microalgae production facilities

Aquaculture

- Aquaculture production
- Aquaculture production by species

Layers (0)

Microalgae

Microalgae

Clear all

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Esri, GEBCO, DeLorme, NaturalVue

How does it work?

0 200 400km

Click on the map to get feature info

Layers (2) Legend

Macroalgae production facilities

Clear all layers

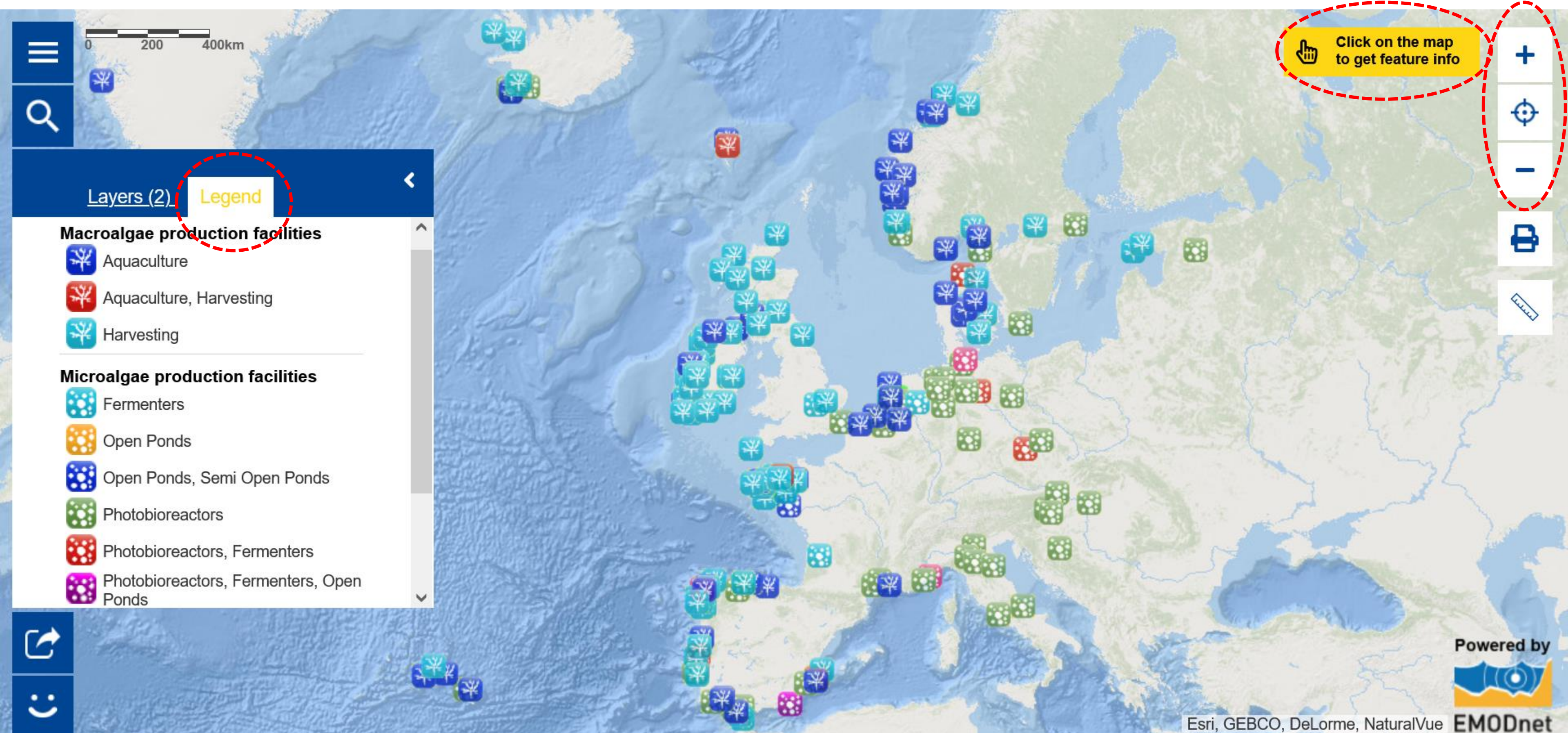
EMODnet

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.

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Esri, GEBCO, DeLorme, NaturalVue

How does it work?



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, the language 'English EN', social media links for 'Follow us' (Twitter) and 'Give feedback' (smiley face), and a close button. Below this is a blue header with the word 'Print'. The main content area is divided into two columns. The left column features a map titled 'EUROPEAN ATLAS OF THE SEAS' showing Europe with various colored icons representing different marine resources. Below the map, it displays the date 'May 23, 2022', the scale '1:147.914.381', and a scale bar from 0 to 4000km. A 'Next >' button is located at the bottom of this column. The right column contains print settings: 'Paper size:' set to 'A3 Landscape', 'Format:' with 'PDF' selected over 'JPG', a checked 'Include legend' option, 'Layers for print >', 'Map title:' set to 'EUROPEAN ATLAS OF THE SEAS', and 'Scale:' set to '1 : 147.914.381'. On the far right, a vertical toolbar includes a red-circled print icon, a search icon, a target icon, a minus icon, and a ruler icon. The bottom right corner features the text 'Powered by' and the 'EMODnet' logo.

Learning to use the Atlas' tools

The image shows a screenshot of the European Atlas of the Seas web application. The main interface includes a top navigation bar with the European Commission logo, a question mark icon, the language 'English EN', 'Follow us' with a Twitter icon, and 'Give feedback' with a smiley icon. 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 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 search bar labeled 'Search for layers' is present. Below the search bar are tabs for 'Predefined maps (19)', 'Create a map', and 'Map stories'. A carousel of three images is shown: the European Union flag, a group of people silhouettes, and a seagull on a post. A red dashed circle highlights a button that says 'Click here to explore our new help tool' with a yellow starburst icon labeled 'v7'. A red arrow points from this button to a help overlay on the right.

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
- Explore and search >
- Layer list and legend >
- Follow us
- Give feedback
- Video tutorial

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Learning to use the Atlas' tools



Related issues

European Atlas of the Seas

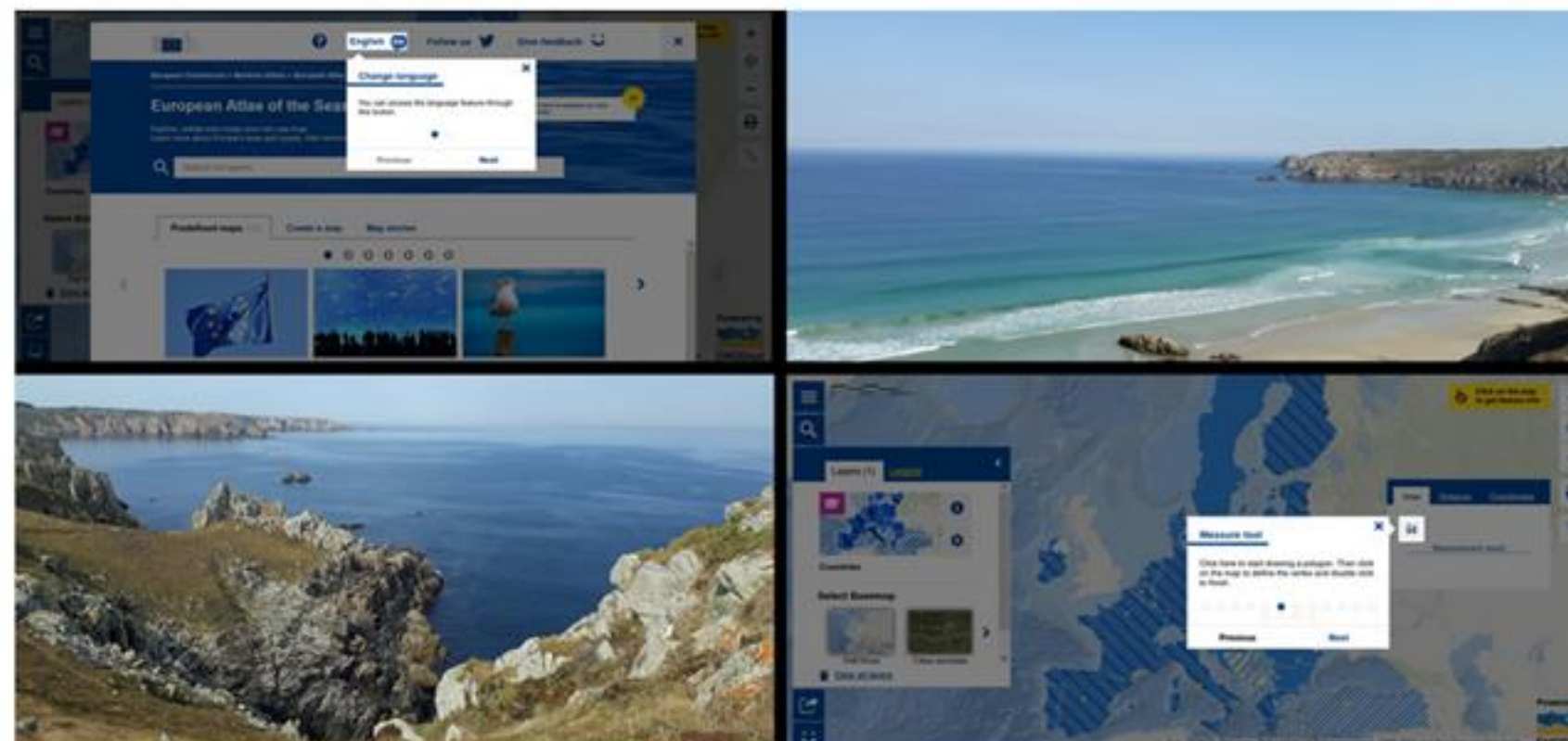
European Atlas of the Seas: interactive help now available in 24 languages!



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

View as pdf

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!



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On an amazing journey with the European Atlas of the Seas!

Follow the lead of EU Commissioner Sinkevičius and #ExploreYourOcean in 24 languages!

The European Atlas of the Seas, for the first time at Seafood Expo Global!

Presentation of the European Atlas of the Seas at the EU4Ocean Baltic Sea Basin Event on Ocean Literacy

Presentation of the European Atlas of the Seas at the EU4Ocean Mediterranean Sea Basin Event on Ocean Literacy

The Teachers Corner

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.

[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](#)

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

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](#)

https://webgate.ec.europa.eu/maritimeforum/en/node/6404

An official website of the European Union

European Commission > Maritime Forum > Maritime policy > Marine knowledge > European Atlas of the Seas > Atlas Teachers Corner > Teachers Corner > Teachers Corner

Themes Communities Search F.A.Q. EU Login

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 \(Nausicaá training sessions\)](#)

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

- ✓ Map based exercises
- ✓ Quizz
- ✓ Games

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 'Share this article' button, 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 lists 'Atlas Teachers Corner' items, including 'Boat race level 1' and 'Biodiversity quiz'. A 'Note for teachers' section is visible at the bottom of the article.

The screenshot shows a quiz titled 'Quiz biodiversité' published on Friday, 18/02/2022 at 10:00. The quiz features a background image of a seagull on a rocky shore with a thought bubble that says 'Testez vos connaissances!'. 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%.

The screenshot shows the Maritime Forum website interface for the 'Teachers' Guide - Boat race level 1' article. The article includes a 'Share this article' button, 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 lists 'Atlas Teachers Corner' items, including 'Teachers' Guide - Boat race level 1'. Social 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**.



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Integrating the Atlas in school work and projects

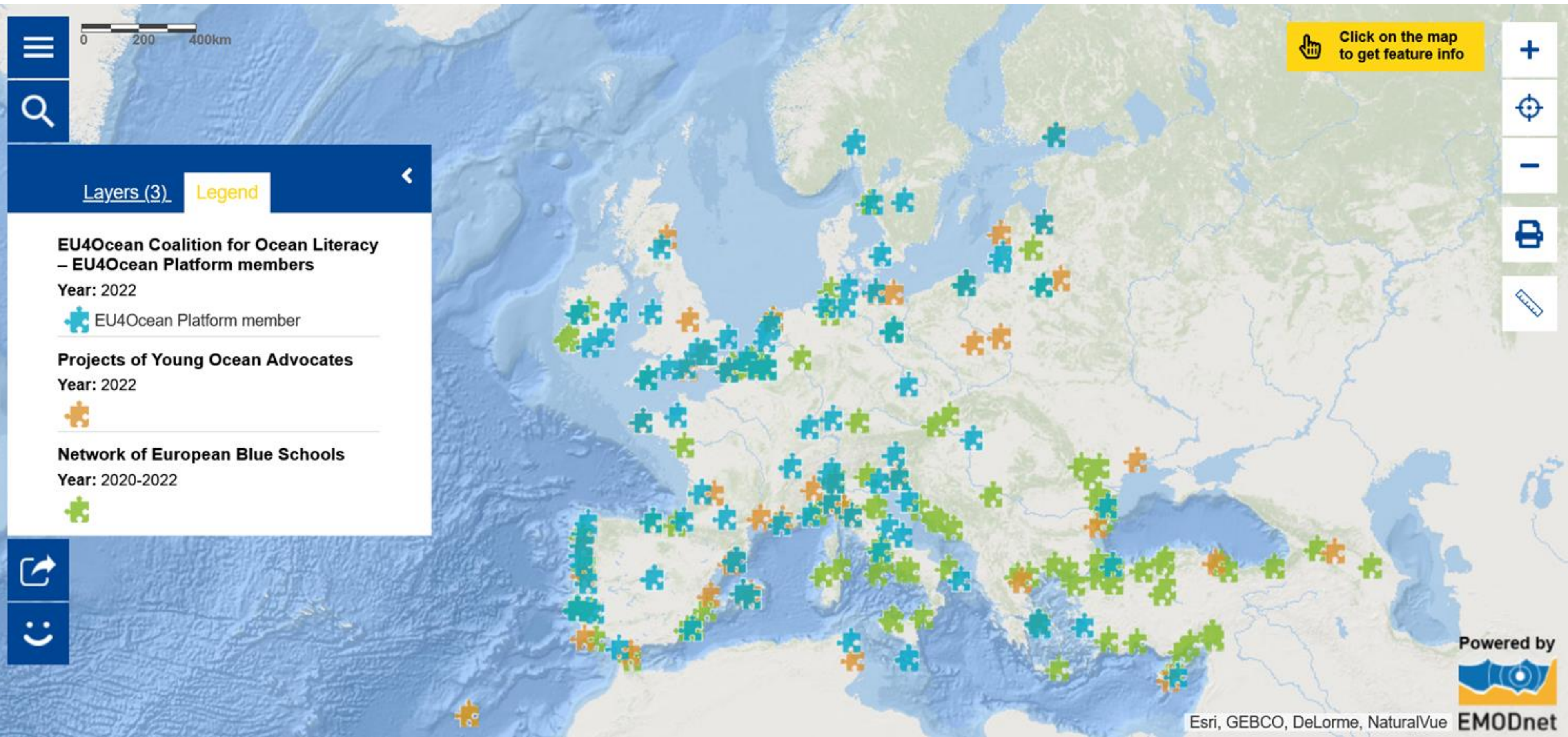


- ✓ Geography
- ✓ Science, Technology, Engineering, and Mathematics (STEM)
- ✓ Nature conservation
- ✓ Environmental issues
- ✓ Blue Economy
- ✓ Sustainable development
- ✓ Languages
- ✓



A VOICE FOR OCEAN LITERACY ACROSS EUROPE AND BEYOND.

Ocean Literacy



Education for Climate Challenge



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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
31 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!

Let's explore, collect and report

12 Sep - 29 Nov

Permissions



Active

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



European Atlas of the Seas

1,828 Tweets



Follow

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

1,369 Following 2,551 Followers

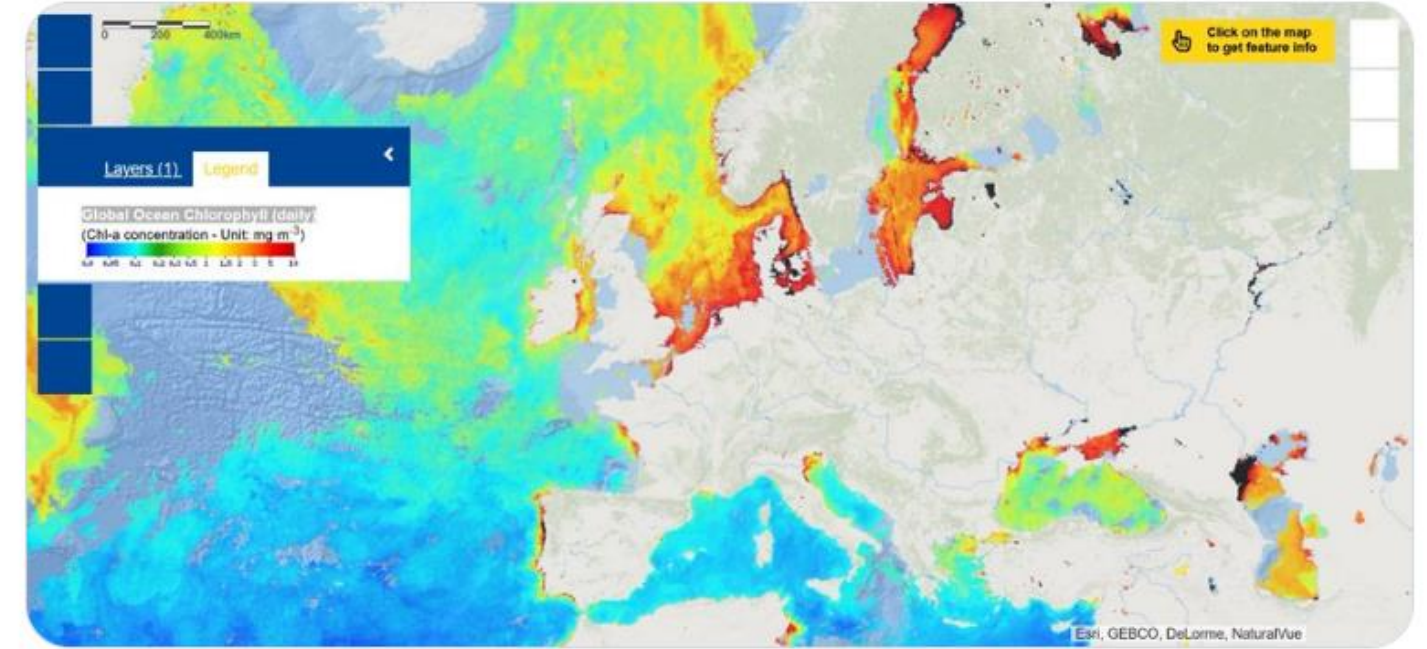


European Atlas of the Seas @EuropeAtlasSeas · Oct 1

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



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Thank you!
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