

#### 4<sup>TH</sup> SCIENTIX INTERNATIONAL CONFERRENCE 18-19 NOVEMBER 2022 ONLINE

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

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

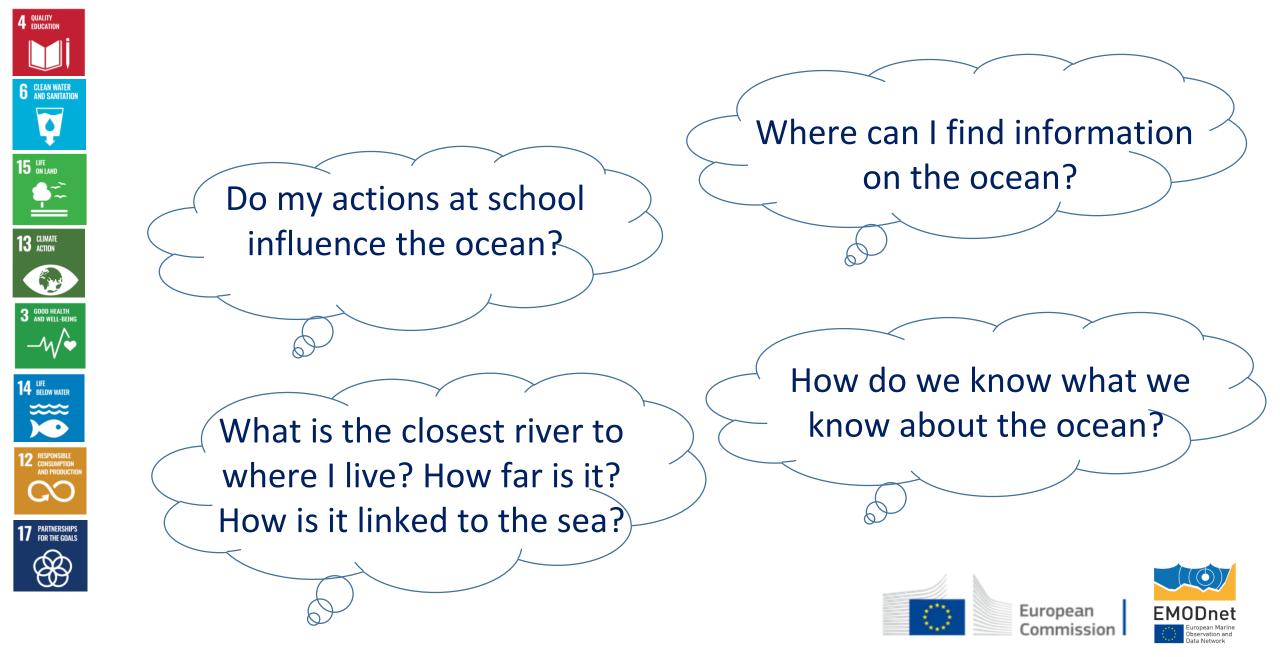
Nathalie Van Isacker, EMODnet Secretariat





Scientix is funded by the European Union's H2020 research and innovation programme – project Scientix 4 (Grant agreement N. 101000063), coordinated by European Schoolnet (EUN). The content of this material is the sole responsibility of the organiser and it does not represent the opinion of the European Commission (EC), and the EC is not responsible for any use that might be made of information contained.





### **European Marine Observation and Data Network**



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### What is the European Atlas of the Seas?





Energy



Security



**Fishing stocks and quota** 

Sea bottom



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

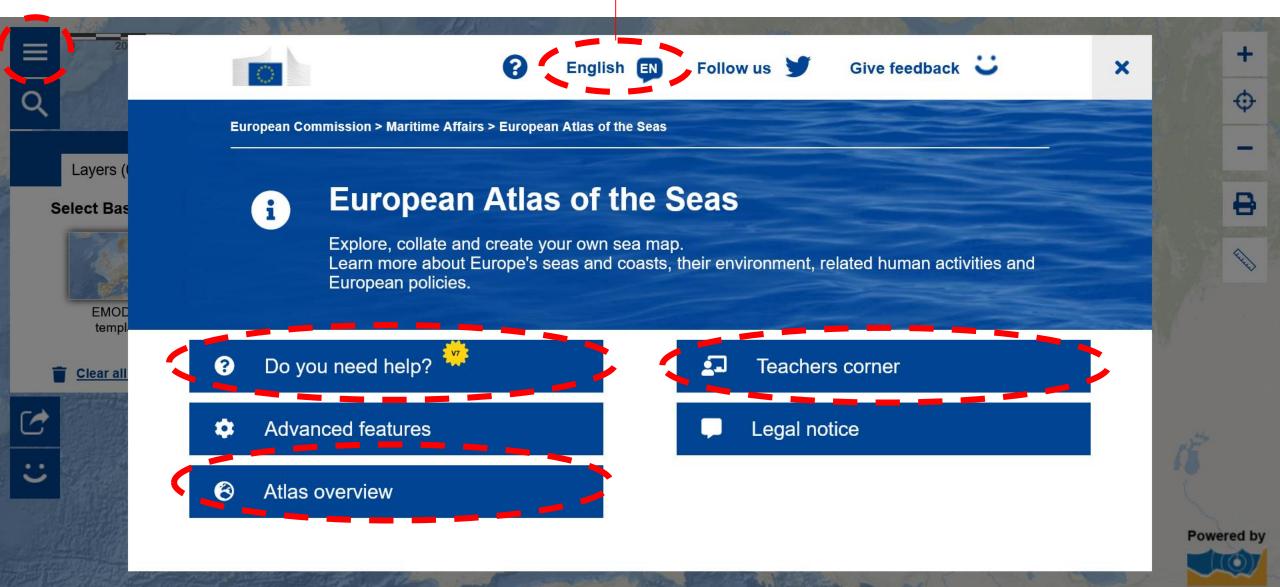




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### How does it work?

#### → 24 languages



### **Creating your map by combining map layers**

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Esri, GEBCO, DeLorme, NaturalVue

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



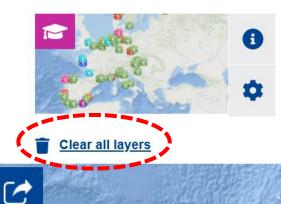
400km

Legend

Macroalgae production facilities

Layers (2)

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#### 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.



Esri, GEBCO, DeLorme, NaturalVue EMODnet

Click on the map

to get feature info

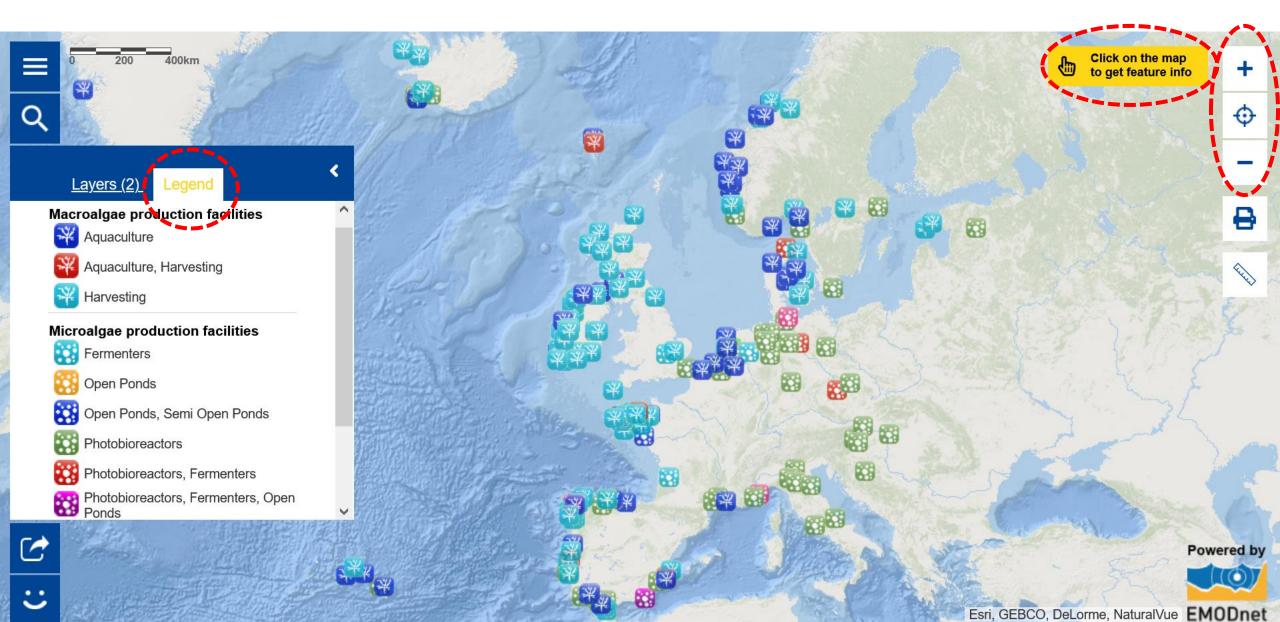
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### Reading the map and accessing additional content



### Integrating your map in your work with the Print tool

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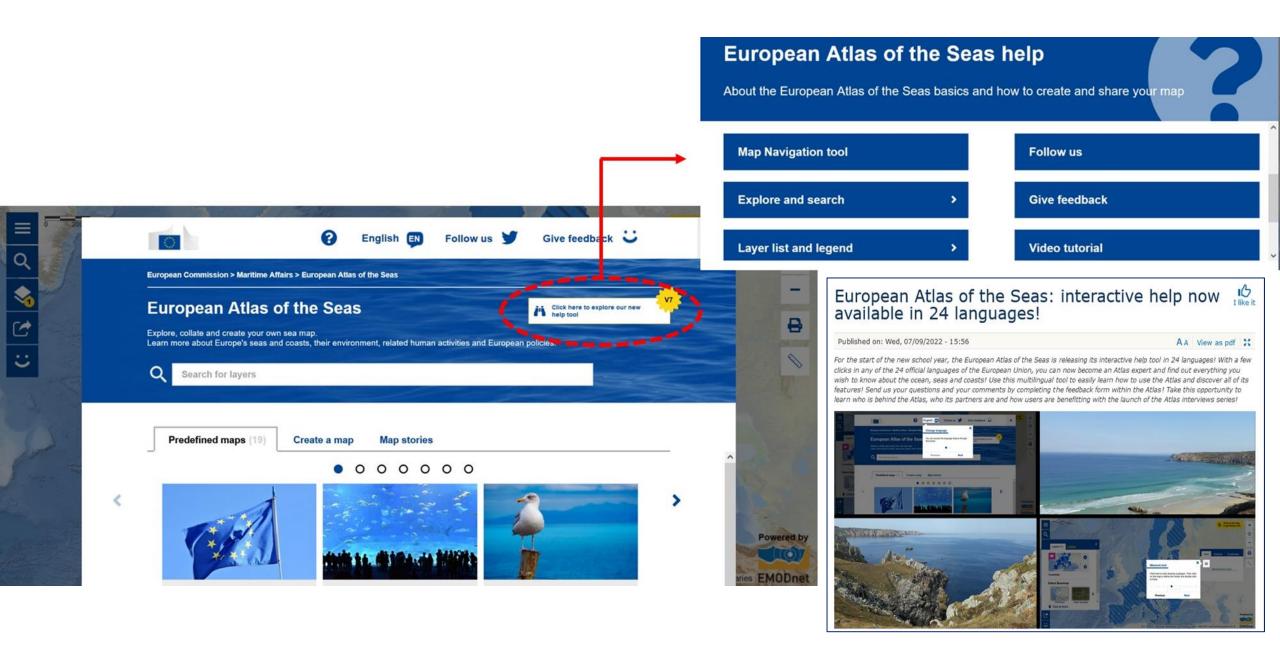
SEDUC, DELOTTE, NaturalVue

### My Maps: Your working space in the Atlas!

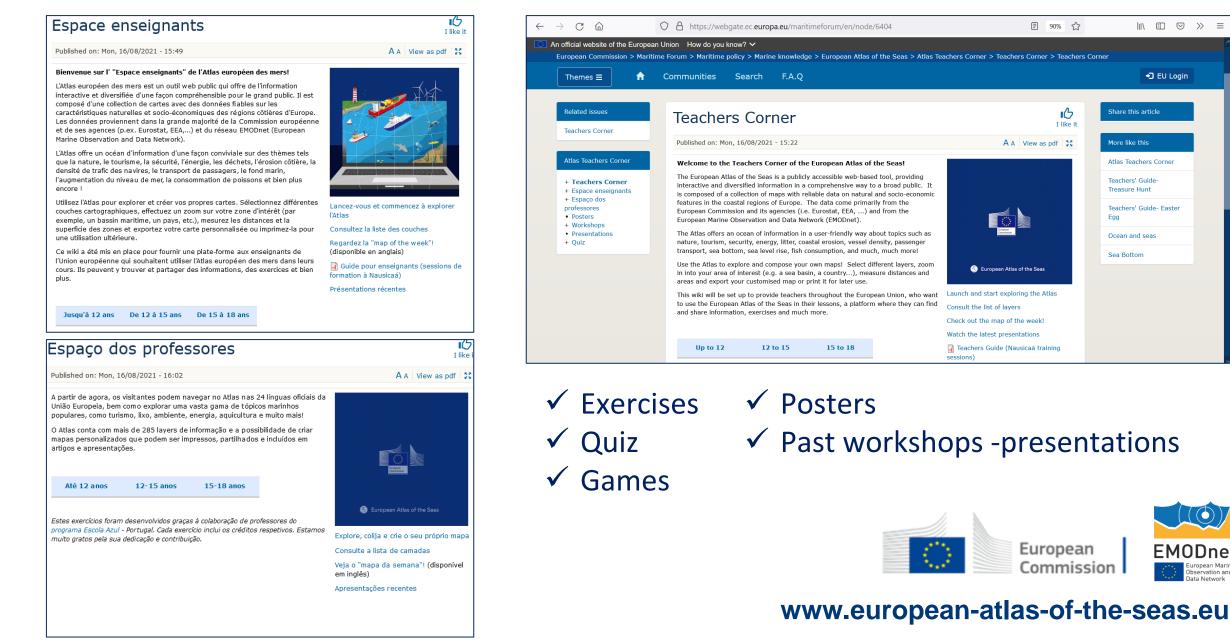
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Esri, GEBCO, DeLorme, NaturalVue EMUDne

#### Learning to use the Atlas' tools in 24 languages !



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



EU Login

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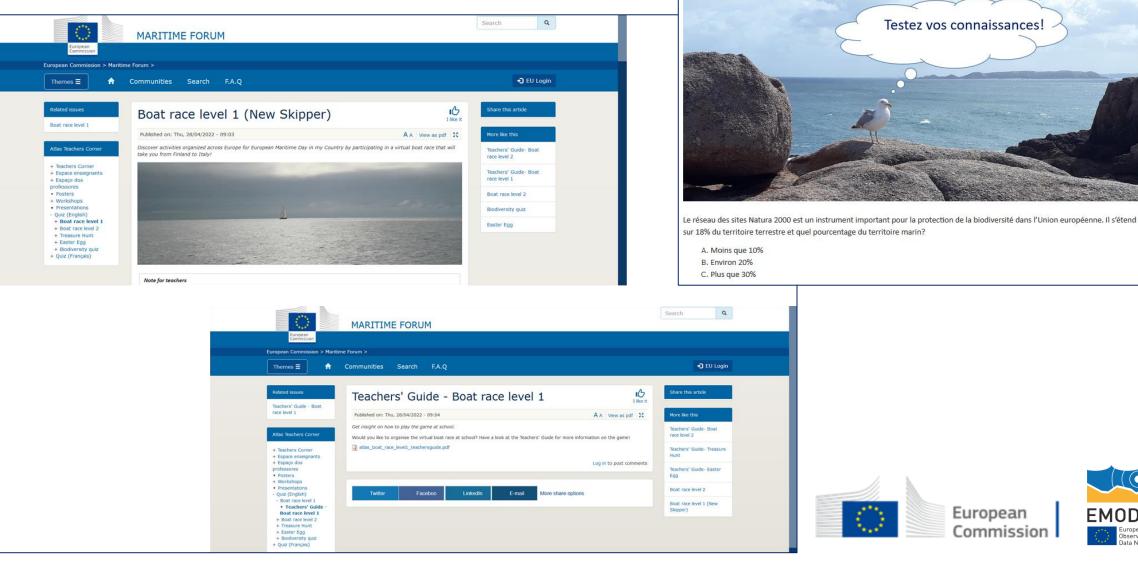
Treasure Hunt

Ocean and seas

Sea Bottom

Egg

# **The Teachers Corner**



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

Quiz biodiversité

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

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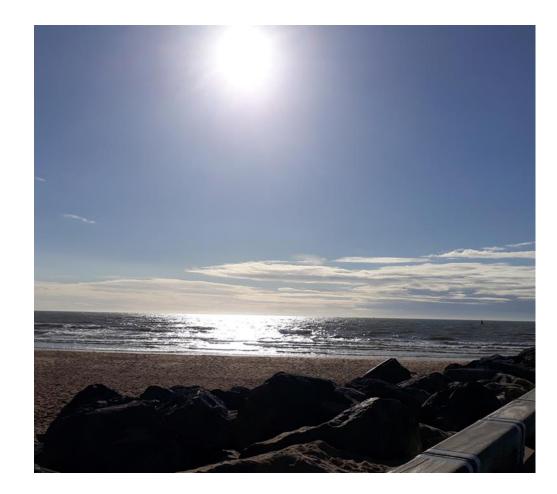
### **Developping competences**



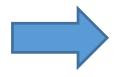
- reading, understanding and interacting with a map;
- ✓ reading and understanding graphic information;
- ✓ creating a map using different map layers;
- ✓ measuring distances on map;
- ✓ learning to search for information online and summarizing findings into a presentation;
- ✓ working in different languages.



### Integrating the Atlas in school work and projects



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

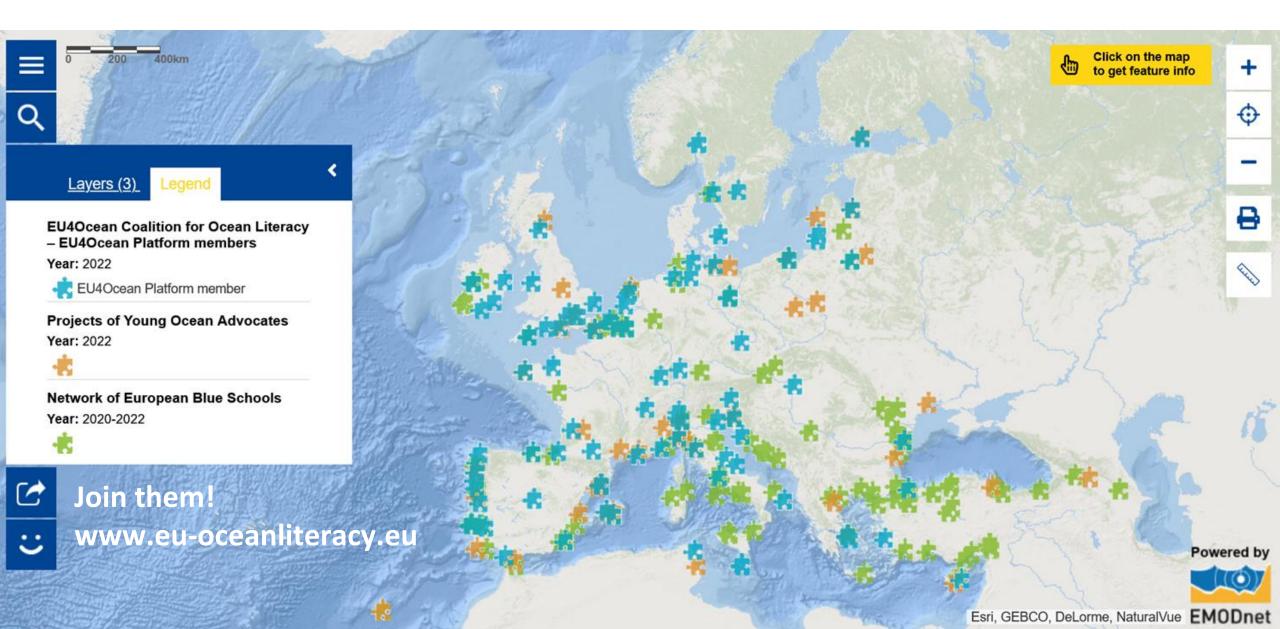


**Cross-curricular activities** 



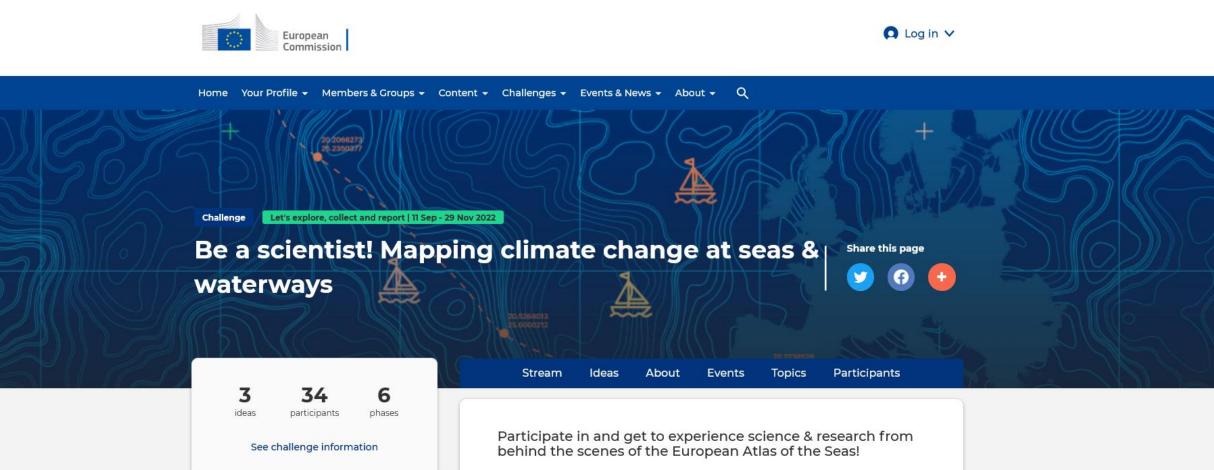


### The Atlas as an Ocean Literacy tool & the EU4Ocean Coalition



# Education for Climate Challenge: Students become Data Providers! <u>https://education-for-climate.ec.europa.eu/community/Atlas/about</u>

- ✓ 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!





#### **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

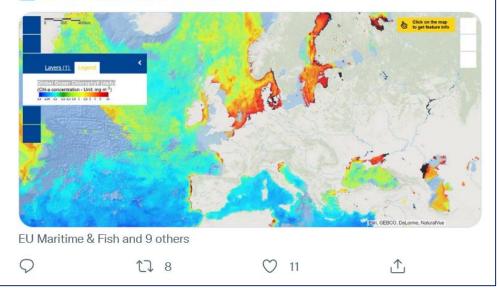
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European Atlas of the Seas @EuropeAtlasSeas · Oct 1 With the #MapOfTheWeek, learn about global #ocean #chlorophyll, #MissionOcean and the @CMEMS\_EU Ocean State Report.

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#### bit.ly/2Y8Pi1L

#### C M#OceanLiteracy #EU4Ocean







# Thank you! <u>nathalie.van.isacker@emodnet.eu</u>





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