

European Atlas of the Seas

Communication &
Education

*EMODnet Secretariat
Steering Committee Meeting
17 April 2024*



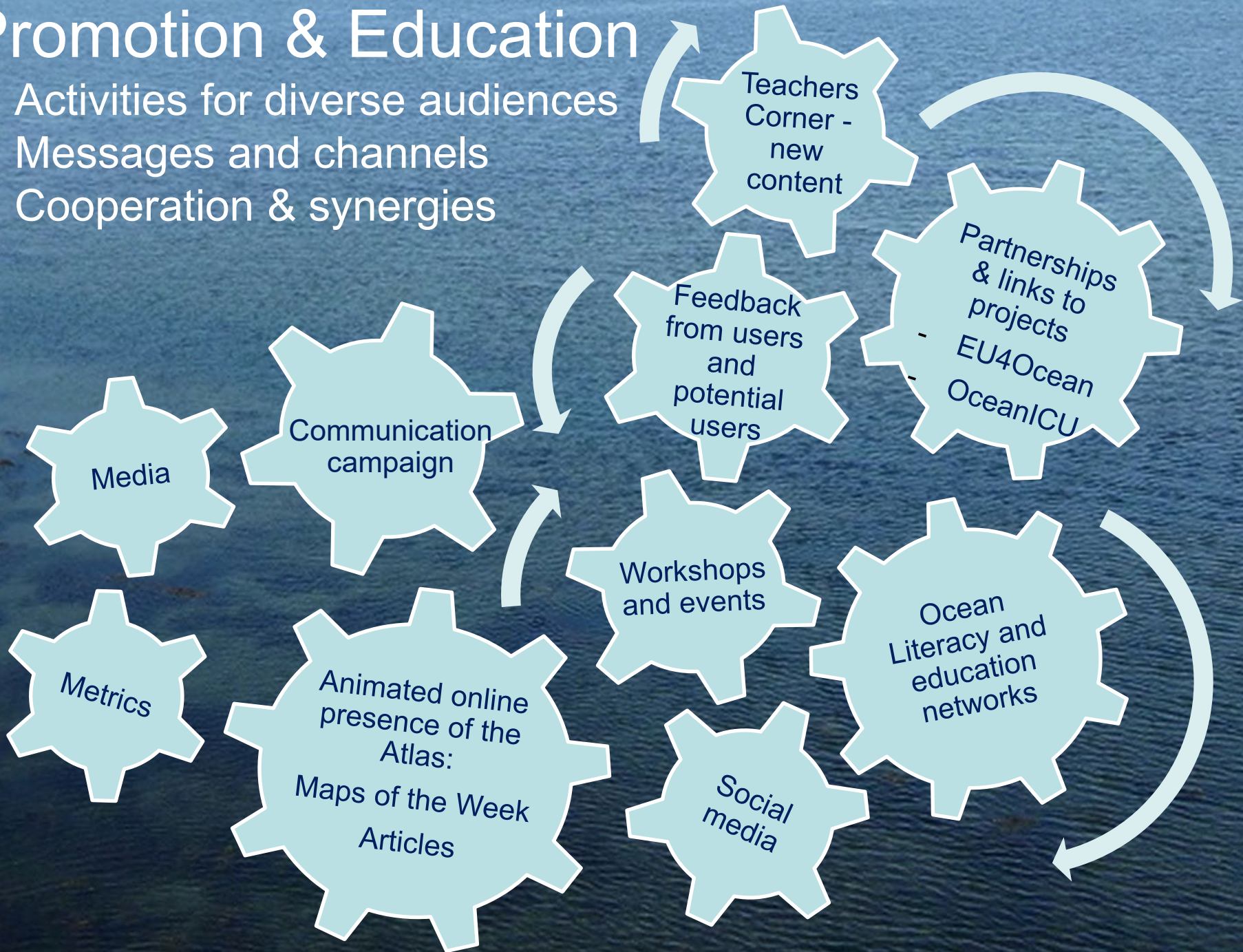
Value proposition

- ✓ an ocean literacy tool;
- ✓ an educational tool;
- ✓ a communication tool that supports marine policy;
- ✓ an information resource tool.

for schools, researchers / projects, blue economy professionals, media, policy makers and anyone searching for information on the ocean, seas and coasts.

Promotion & Education

- Activities for diverse audiences
- Messages and channels
- Cooperation & synergies



Building on activities in 2023

Science in School
The European journal for science teachers

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INSPIRE ARTICLE **The European Atlas of the Seas: an interactive tool for ocean literacy**

February 1, 2023
ISSUE 61

Ages: <11, 11-14, 14-16, 16-19

Topics: Biology, Chemistry, Earth science, Engineering, Resources, Science and society, Sustainability

Keywords: Data analysis, Interactive learning tools, Maps, Ocean literacy, Ocean science

Available languages

Author(s): Nathalie Van Isacker

Looking for a user-friendly interactive map-based educational tool on the ocean? Dive into the European Atlas of the Seas!

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Introduction

To understand what we can do better to protect the health of the ocean, it is essential that we learn how the ocean influences us and how we influence the ocean. This is referred to as 'ocean literacy'.¹ To achieve an ocean-literate society, we need to communicate marine data and information in an attractive, easy-to-digest, and playful way. This is the objective of the European Atlas of the Seas, a freely accessible, web-based, interactive tool, available in 24 languages, which delivers a wide variety of map layers derived from data on natural (e.g., coastal geology, mean underwater depth, submarine volcanoes)

The Science in School journal published two translations of the 2023 article on the Atlas.

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INSPIRE ARTICLE **Ο Ευρωπαϊκός Άτλαντας των Θαλασσών, η μπλε εκπαίδευση και ο θαλάσσιος εγγραμματισμός**

Απρίλιος 27, 2023
ISSUE 61

Ages: <11, 11-14, 14-16, 16-19

Topics: Biology, Chemistry, Earth science, Engineering, Resources, Science and society, Sustainability

Keywords: Data analysis, Interactive learning tools, Maps, Ocean literacy, Ocean science

Author(s): Nathalie Van Isacker
Translator(s): Ιωάννης Φυτιλάκος, Ευφροσύνη Κηπουρού

Μήπως αναζητείτε ένα διαδραστικό και φιλικό στο χρήστη εκπαιδευτικό εργαλείο που να βασίζεται σε χάρτες και να αφορά των ωκεανό; Καιρός να καταδυθείτε στον...

Εισαγωγή

Προκείμενο να κατανοήσουμε τι μπορούμε να κάνουμε καλύτερα για να προστατεύσουμε την υγεία των ωκεανών, χρειαζόμαστε να μάθουμε να επικοινωνούμε με τον ωκεανό με απρόσκοπτο τρόπο.

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INSPIRE ARTICLE **El Atlas Europeo de los Mares, la educación azul y la alfabetización oceánica**

febrero 1, 2023
ISSUE 61

Ages: <11, 11-14, 14-16, 16-19

Topics: Biology, Chemistry, Earth science, Engineering, Resources, Science and society, Sustainability

Keywords: Data analysis, Interactive learning tools, Maps, Ocean literacy, Ocean science

Available languages

Author(s): Nathalie Van Isacker
Translator(s): Rafael Martínez-Oña

¿Buscas una herramienta educativa basada en un mapa interactivo y fácil de usar sobre el océano? Sumérgete en el Atlas Europeo de los Mares.

Introducción

Para entender qué es lo mejor que podemos hacer para proteger la salud del océano, es esencial que aprendamos cómo el océano influye en nosotros y cómo nosotros influimos en el océano. Esto es lo que llamamos 'alfabetización oceánica'.¹ Para lograr una sociedad que tenga conocimientos sobre los océanos, necesitamos comunicar los datos y la información marina de forma atractiva, fácil de digerir y lúdica. Este es el objetivo del Atlas Europeo de los Mares, una herramienta interactiva, de libre acceso y

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Building on activities in 2023



“We vonden het heel leuk en gaan zeker met deze lessen verder. Feedback krijgen jullie ook nog hoor”. Juf Josine



5th grade of primary schools - 19 and 20 pupils by class
Active & enthusiastic participation of pupils
Interesting insight - how the Atlas can be used in schools

Europese Zeeatlas lespakket

Doelgroep

- Leerlingen 5de leerjaar lager onderwijs (10-11 jaar oud)

Doelstelling van de lespakket

- Ontwikkeling van kennis over de oceaan, zeeën en kusten.
- Een digitale atlas leren gebruiken op een leuke manier.

Leerdoelen van de Europese Zeeatlas workshop

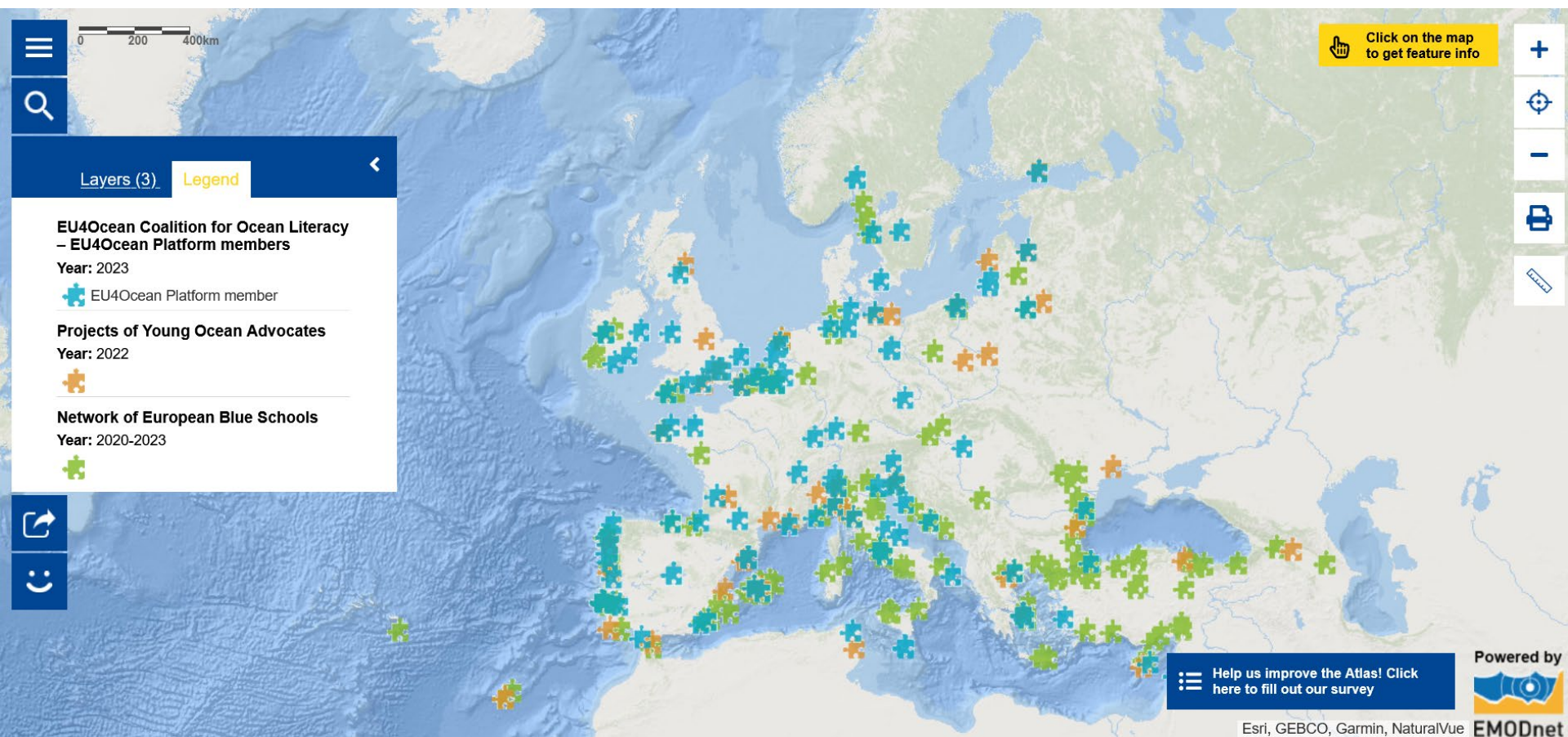
- Wetenschappen en techniek
 - Natuur en milieu
- Mens en maatschappij
 - Oriëntatie- en kaartvaardigheid
- Informatie- en communicatietechnologie (ICT)
- Leren leren
- Andere talen leren (de Zeeatlas is beschikbaar in 24 talen)

Hulpmiddelen voor leerkrachten om de Europese Zeeatlas goed te kennen voor de workshop

- Voor algemene presentatie van de Europese Zeeatlas kunnen leerkrachten de volgende artikel op de 'Science in School' website lezen (in het Engels):

[The European Atlas of the Seas: an interactive tool for ocean literacy](#)

Connecting to EU4Ocean on Ocean Literacy



- Ocean Literacy in Action (8 March)
- EU4Ocean online workshop for teachers (11 March)
- European Youth Week (12 April)

Presenting the Atlas at the 'Ocean Literacy in Action' event 8 March 2024



Credit: EU4Ocean Coalition

- Over 100 participants
- European wide event
- Connection to Ocean Literacy experts, education experts and youth
- Lively Ocean Literacy Island (exhibition)



Connecting with users and target audiences on the Ocean Literacy Island - 8 March 2024



Credit: EMODnet Secretariat



Credit: EMODnet Secretariat



Credit: EU4Ocean Coalition



Credit: EU4Ocean Coalition



Credit: EU4Ocean Coalition



Credit: EU4Ocean Coalition

Promoting the Atlas poster at the VLIZ Marine Science Day and the European Ocean Days - 6 March 2024

European Atlas of the Seas @EuropeAtlasSeas · 6 Mar

Are you at the #VMSD24? Have a look at poster #70 to learn about the @EuropeAtlasSeas, an online #OceanLiteracy tool available in 24 languages which includes > 270 #map layers!

[C](#)
[M](#)
[X](#)
[T](#)
[G+](#)
[european-atlas-of-the-seas.eu](#)

#OceanLiteracy #MarineData



70
THE EUROPEAN ATLAS OF THE SEAS
An Ocean Literacy Tool Powered by EMODnet

EU Maritime & Fish and 6 others

VLIZ Flanders Marine Institute - VLIZ @VLIZnews · 6 Mar

It's time for the poster session. No less than 76 posters are taking part in the competition. Don't forget to vote for your favorite poster! #VMSD24

5 1 12 268

European Atlas of the Seas @EuropeAtlasSeas · 6 Mar

The @EuropeAtlasSeas is at the #EUOceanDays! Looking forward to very interesting discussions about the #Ocean!

Are you here too? Make sure to have a look at the posters, including the #Atlas & #EU4Ocean posters!

[V](#)
[M](#)
[C](#)
[G+](#)
[maritime-forum.ec.europa.eu/theme/marine-k...](#)

#MissionOcean #OceanLiteracy



The European Atlas of the Seas

EU Maritime & Fish and 9 others

Mission Ocean Waters @OurMissionOcean · 6 Mar

It's day 3 of #EUOceanDays! Join us for discussions on the future of Europe's Seas. Let's explore pathways for our seas with a perspective to 2050.

3 9 451



Contributing to the "EU4OCEAN SPOW - Plastic Pollution and Working with Ocean Technology" - 11 March 2024

EU4OCEAN SPOW – PLASTIC POLLUTION AND WORKING WITH OCEAN TECHNOLOGY



1,5 hour workshop organised by **European Schoonet** divided in two equal parts:

- Session I on the **Plastic Pirates** project presented by Ciência Viva
- Session II on the **European Atlas of the Seas**

A total of **13 teachers** from different countries:

- teachers who had used the Atlas before; and
- teachers who did not yet know the Atlas.

SPOW: Science Projects Online Workshops

Connecting with young people at the European Youth Week kick-off event - 12 April 2024



European Atlas of the Seas @EuropeAtlasSeas · 4h
👉 Dive into the #EUYouthWeek with the #Youth4Ocean Forum!

Join their session for discussions, project presentations, quizzes & more!

Visit the stand to learn about #EU4Ocean! The @EuropeAtlasSeas will be there!

Looking forward to it!

maritime-forum.ec.europa.eu/events/join-yo.....
Show more

JOIN THE YOUTH4OCEAN FORUM

AT THE EUROPEAN YOUTH WEEK KICK-OFF

12 April
European Parliament

#EU4Ocean
#Youth4Ocean
#EUBlueSchools

EU Maritime & Fish and 6 others

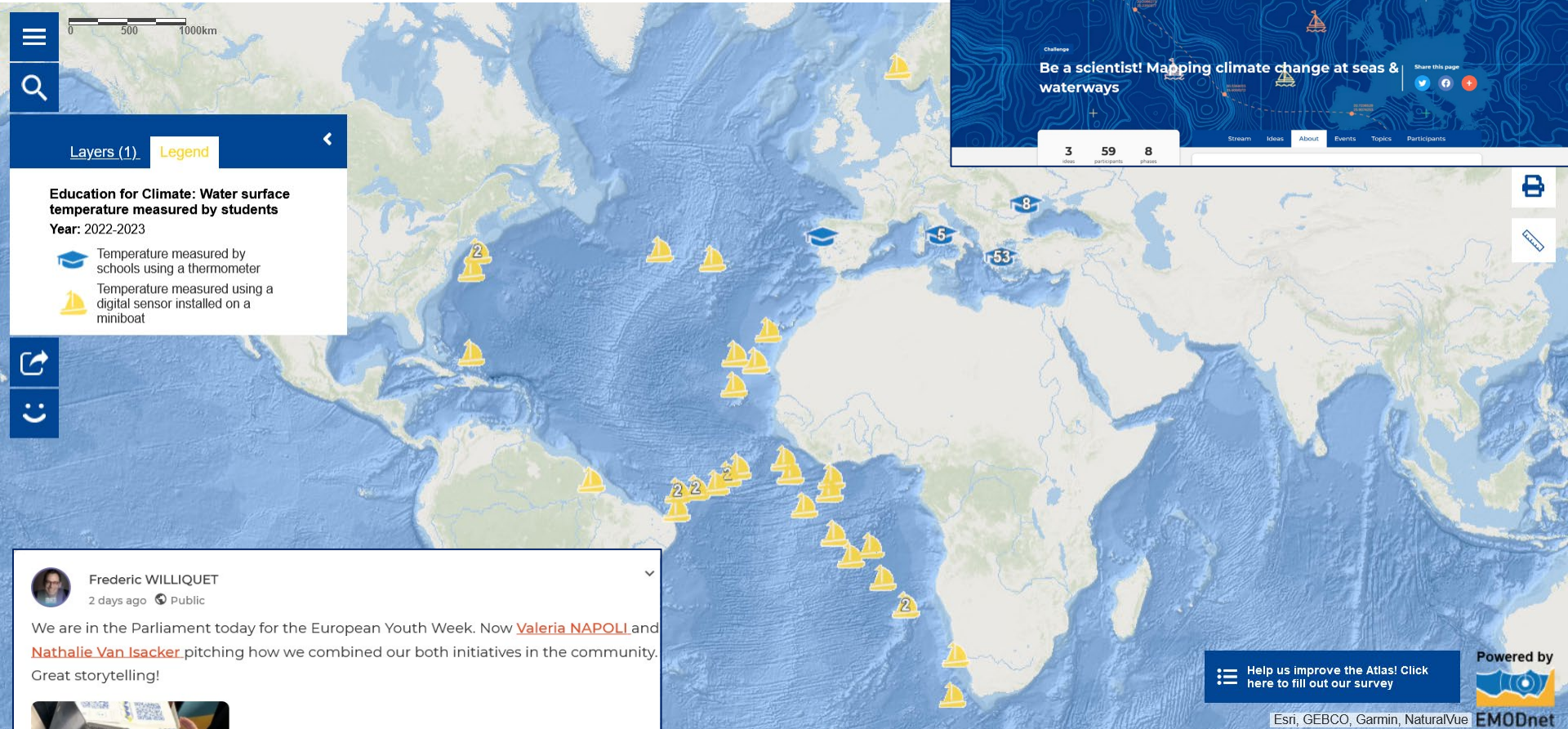
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Youth4Ocean Forum and Education for Climate




Youth4Ocean Forum facilitators at the stand (Youth and Environment Europe)

Connecting with young people at the European Youth Week kick-off event - 12 April 2024



 Frederic WILLIQUET
2 days ago Public

We are in the Parliament today for the European Youth Week. Now [Valeria NAPOLI](#) and [Nathalie Van Isacker](#) pitching how we combined our both initiatives in the community. Great storytelling!



Connecting to OceanICU – Understanding Ocean Carbon

 **OceanICU Project** @Oceanicu_carbon · 11 Mar

OceanICU is gathering Online this week for its annual meeting. Good dialogue and informative updates to ensure. How will we develop new knowledge on #ocean #carbon to underpin scenarios & decision-making in global Carbon & #climatechange? Stay tuned! #NetZero #eugreendeal




Horizon Europe and OceanICU Project

1 comment, 2 retweets, 8 likes, 284 views

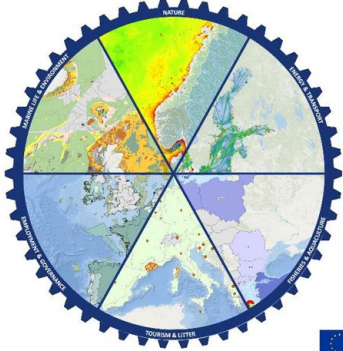
WP8 Connecting OceanICU to Society

- New content for the Atlas
- New users of the Atlas: researchers, policy-makers, schools, youth


Input to the European Atlas of the Seas



The European Atlas of the Seas



Dive in now!



The European Commission's Ocean Literacy tool powered by the European Marine Observation and Data Network (EMODnet).

Informing readers through the Atlas' Maps of the Week

European Atlas of the Seas @EuropeAtlasSeas

With the **#MapOfTheWeek**, learn about the upcoming European **#OceanDays** events & actions pledged by the signatories of the **#MissionOcean** Charter!

Can you find @EMODnet's pledged action on the #map?

maritime-forum.ec.europa.eu/map-week-europ...

#OceanLiteracy #EU4Ocean #SDGs #BluePlanet



EU Maritime & Fish and 9 others

6:53 pm · 1 Mar 2024 · 980 Views

View post engagements

European Atlas of the Seas @EuropeAtlasSeas · 7 Mar

With the **#MapOfTheWeek**, learn about tomorrow's **#OceanLiteracy** in Action event & how you can become a member of the **#EU4Ocean** Platform, the **#Youth4Ocean** Forum or the Network of **#EUBlueSchools**!

maritime-forum.ec.europa.eu/map-week-eu4oc...

#EUOceanDays #MissionOcean



EU Maritime & Fish and 9 others

European Atlas of the Seas @EuropeAtlasSeas · 15 Mar

With the **#MapOfTheWeek**, learn about the "Save the Baltic Sea" environmental hiking expedition, the state of the **#BalticSea** & Regional Sea Conventions!

maritime-forum.ec.europa.eu/map-week-regio...

#OceanLiteracy #EU4Ocean #Youth4Ocean #EUBlueSchools #healthysea



EU Maritime & Fish and 9 others

Examples from the European Ocean Days and EU4Ocean – March 2024

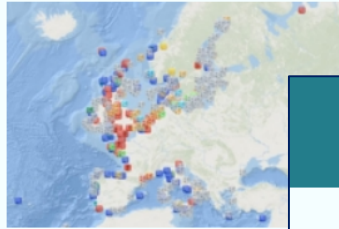


Contributing to DG MARE newsletter

Map of the month

Ocean energy

Europe's marine regions offer vast renewable energy resources, which can be harvested through a number of different technologies. Most notable are offshore wind farms. Energy can also be harvested from the waves, tides and salinity and temperature differences (gradients) throughout the seawater. Learn about wind farms, ocean energy projects and test sites in European waters.

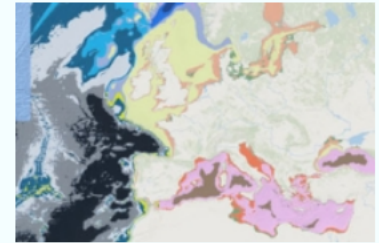


[more](#)

Map of the month

Seabed habitats

There are many different types of seabed habitats in Europe's seas, from coral reefs in the North-east Atlantic Ocean to seagrass meadows in coastal waters. Protecting the seabed is important for preserving marine biodiversity. The map of the month shows the classified biological zones used in the EUSeaMap model, which helps determine habitat types. Biological zones are determined based on physical variables and proxies.



[more](#)



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Monthly dives for the EMODnet newsletter

European Atlas of the Seas

Monthly dive into the European Atlas of the Seas

A new [video tutorial](#) has been released on the Atlas' measure tool which shows how users can measure distances and estimate surface areas in the Atlas as well as see the geographical coordinates for any location on a map. A great help to resolve the geo-caching game, treasure hunt and boat races in the Teachers Corner! In February, four 'Maps of the Week' were published on the Maritime Forum and the EMODnet website: 'World Wetlands Day, Rivers and Marine Natura 2000 sites', 'Marine habitats and biodiversity conservation', 'Plastic Pollution and Seabed Litter' and 'Ensuring Sustainability in Fisheries'.



[more](#)

European Atlas of the Seas

Monthly dive into the European Atlas of the Seas

In March, the European Atlas of the Seas' team contributed to the [Ocean Literacy in Action](#) conference and exhibition organised in the framework of the European Ocean Days and the EU4OCEAN Science Projects Online Workshop ([SPOW](#)) on Plastic Pollution and Working with Ocean Technology. The team organised a [workshop](#) in Dutch for pupils in the fifth grade of primary school at the De Plataan school in Merchtem (Belgium). The Atlas [poster](#) was featured at the VLIZ Marine Science Day and the "Where next for Europe's Seas" event. Five 'Maps of the Week' were published on the Maritime Forum and the EMODnet website: 'European Ocean Days - Mission Restore our Ocean & Waters Forum', 'EU4Ocean - Ocean Literacy in Action', 'Regional Sea Conventions', 'World Water Day - Cooperation towards sustainable management of water and peace' and 'International Day of Zero Waste'.



[more](#)



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Providing online content and support to



Video tutorial



EMODnet virtual exhibition

2024

On 19 March 2024, the European Atlas of the Seas' team organised a workshop in Dutch for pupils in the fifth grade of primary school at the De Plataan school in Merchtem (Belgium).

GENERAL PUBLICATIONS | 20 March 2024

European Atlas of the Seas workshop at the De Plataan school



English (5.51 MB - PDF)

Download 

On 11 March 2024, the European Atlas of the Seas was presented during an online workshop organised by the [EU4Ocean Coalition](#) and [Scientix](#) in the framework of a series of workshops titled "[EU4OCEAN SPOW](#) - Plastic Pollution and Working with Ocean Technology". Teachers participating in the workshop learned about the [Plastic Pirates project](#) from [Ciência Viva](#) and about ways that the Atlas can be used in the classroom from the European Marine Observation and Data Network ([EMODnet](#)) Secretariat.

GENERAL PUBLICATIONS | 12 March 2024

EU4OCEAN SPOW 2024



English (8.78 MB - PDF)

Download 

Presentation from recent workshops

Newly published quiz



EMODnet Secretariat

GENERAL PUBLICATIONS | 28 March 2024

Download the Atlas' Quiz on Marine Litter

Wish to know more about pollution on beaches and in the ocean?

1. Open the presentation in slide show mode. On the second page, click on the answer.
2. Not correct ? Click on "Let's try again"! You see a map? Well done!
3. Looking for further information? Click on the hyperlink below the map. To continue, move to the next slide.



English (45.89 MB - PPTX)

Download 

Coming soon: new game



Topic addressed

Blue Economy

Educational objective

This activity will allow students to learn how to use geographical coordinates to find any specific location on a map and to gain knowledge about economic activities related to the ocean, seas and coasts.

Age group

12 to 15

Language

English

Competences developed with the exercise

Advanced use of digital maps, digital literacy, geographic information analysis, search for information

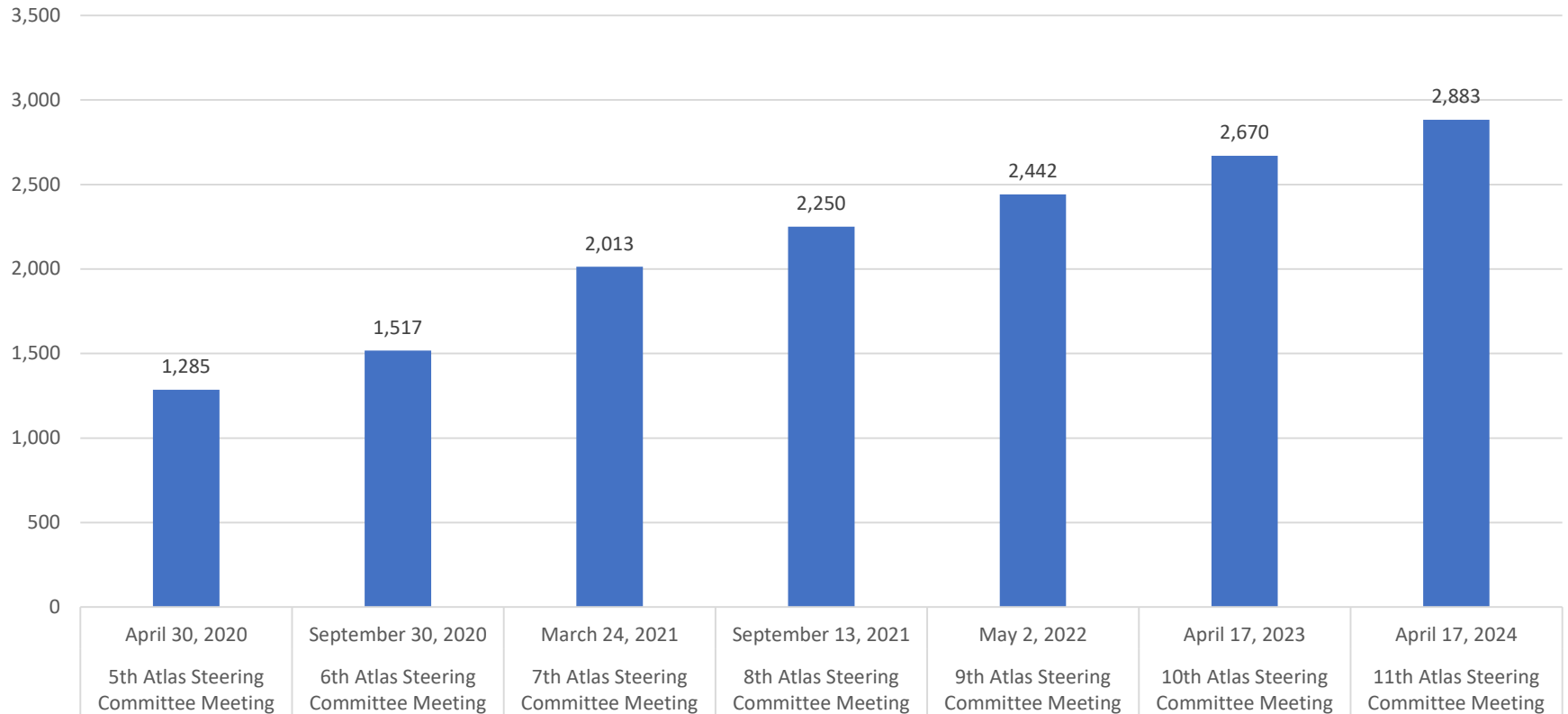
Interacting with the community on Twitter / X



- Tweets about the Map of the Week, events, new Atlas features,...
- Tag partners, education and Ocean Literacy organisations, potential users and stakeholders
- Retweets and interactions

Interacting with the community on Twitter / X

European Atlas of the Seas - Twitter - Number of followers
(date of the indicator and meeting at which it was presented)



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Next steps

Further develop **partnerships** and **cooperation**

- ✓ Development of new educational material
- ✓ Support to users: Teachers' Workshop kit including a new video tutorial
- ✓ Promotion of new features at EU and local level
- ✓ Responding to feedback and identifying ideas for future improvements
- ✓ Integrating the Atlas in Ocean Literacy initiatives and connections to projects



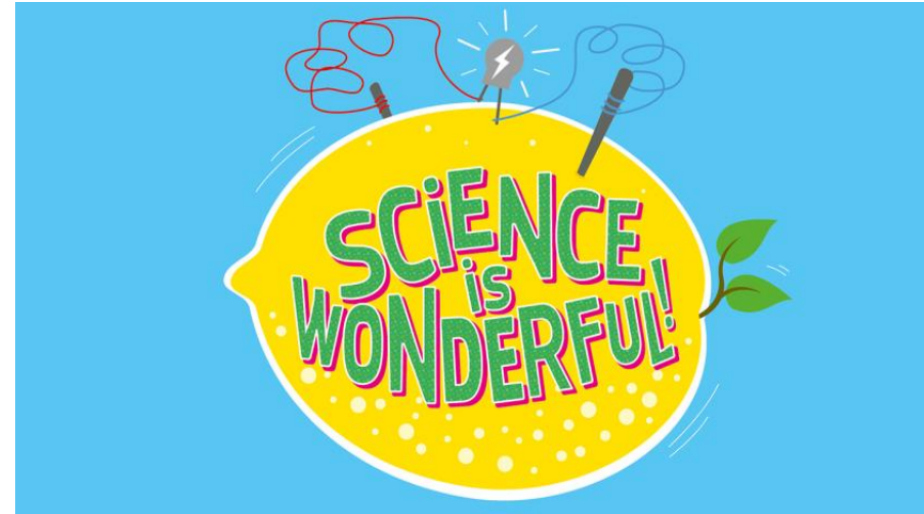
Next event

Come and celebrate European science with us!

The European Commission invites young and old to its annual science fair on **25 and 26 April 2024 at the Egg in Brussels.**

We are thrilled to welcome over 100 leading researchers from across Europe and beyond to the European capital for these two days.

Learn more about their work and careers through joint experiments, hands on activities, interactive science shows, games and quizzes.



6. Let's protect our ocean!

Did you know that the ocean makes up 70% of our planet?

It is magnificent, but unfortunately also fragile.

The European Commission and the European Coalition for Ocean Education (EU4Ocean) will help you discover the wonders of the ocean and how to protect it.

There are lots of fun activities waiting for you: quizzes to test your knowledge of the ocean, games to learn how we are all linked to the ocean, crafts on marine pollution and fascinating maps from the European Atlas of the Seas.

Teachers will also find out about the 'European Blue Schools Network' and learn how to develop projects on this subject at school.



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Thank you!





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Slides 2, 8, and 9: EMODnet Secretariat
Slide 5: European Commission
Slide 8: EU4Ocean Coalition

