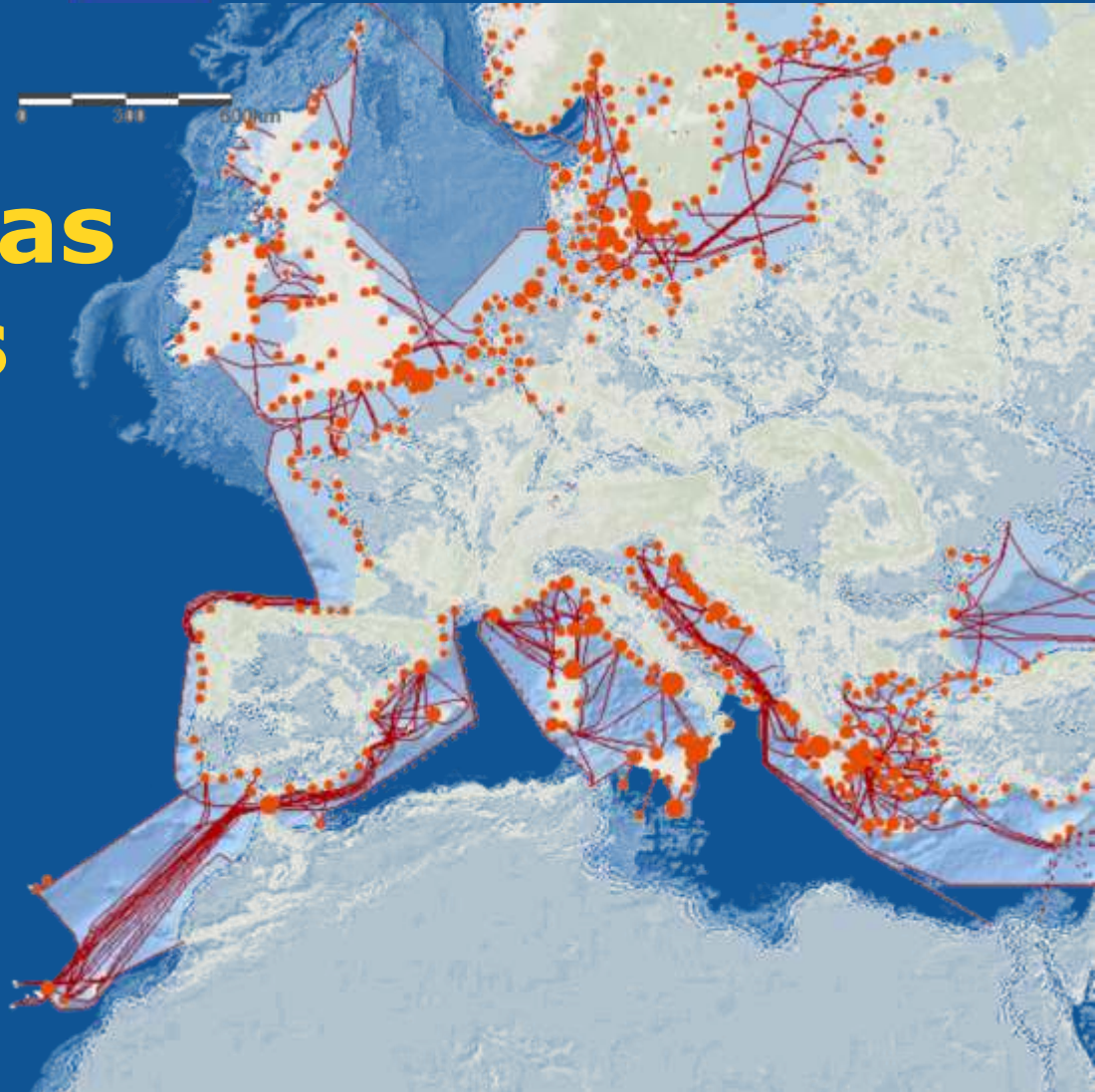




European Atlas of the Seas

**Communication &
Education**

*EMODnet Secretariat
15 September 2021*



Objectives

- Increased visibility & use throughout Europe
- Broad community of well-informed and engaged users
- Atlas recognised as the preferred access point for maps on European Seas
- Strengthen partnerships and develop new ones
- Synergies with EU4Ocean
- Education and Ocean Literacy activities – Teachers Corner



Activities

- Atlas in 24 languages & Ambassadors campaign
- Maps of the Week & Maps of the Month
- Partners: Escola Azul & Nausicaá
- Synergies: EU4Ocean, EMSEA, Scientix, IOLN ...
- Workshops & Teachers training
- Animated content on the Maritime Forum and EMODnet Website

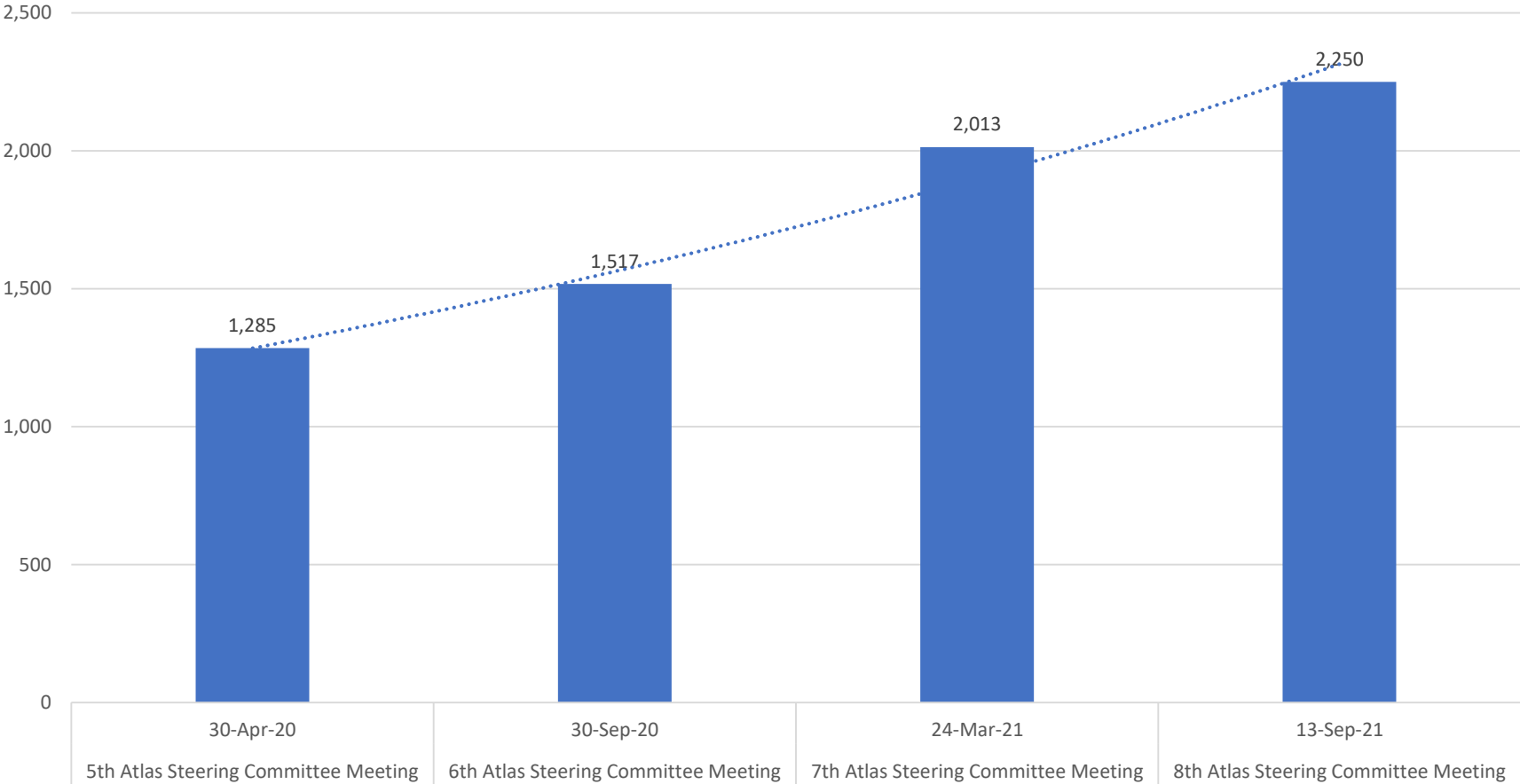
Increase of our presence on Twitter



- 1 tweet / working day
- Variety of tweets: MoW, Ambassadors campaign, highlighted map layers, events, Atlas features,...)
- Tag partners, education and Ocean Literacy organisations, local organisations, potential users and stakeholders

Increase of our presence on Twitter

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



Increase of our presence on Twitter

FEB 2019 SUMMARY

Tweet impressions
22.2K

New followers
40



FEB 2020 SUMMARY

Tweet impressions
33.8K

New followers
27



FEB 2021 SUMMARY

Tweets
32

Tweet impressions
108K

Profile visits
4,073

Mentions
29

New followers
83

JUN 2019 SUMMARY

Tweet impressions
54.8K

New followers
25



JUN 2020 SUMMARY

Tweets
12

Tweet impressions
35.6K

Profile visits
502

Mentions
20

New followers
55



JUN 2021 SUMMARY

Tweets
50

Tweet impressions
113K

Profile visits
9,734

Mentions
80

New followers
49



Twitter : Examples - MoW

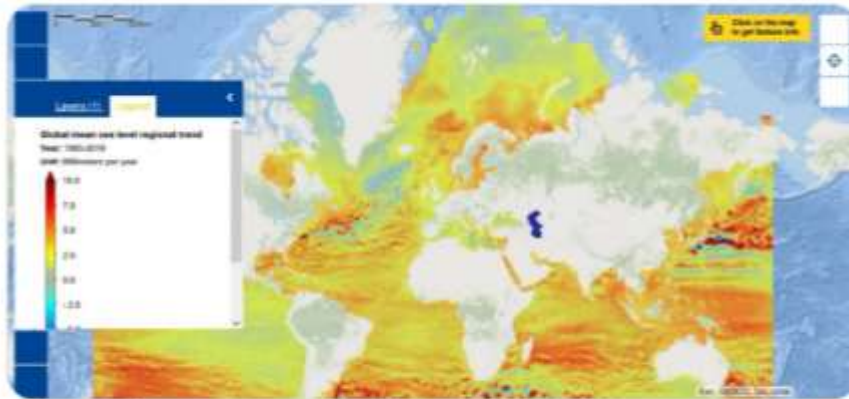


European Atlas of the Seas @EuropeAtlasSeas · 13 Aug

With the [#MapOfTheWeek](#), learn about [#sealevelrise](#) & key points related to the ocean and coastal areas from the new [#IPCC](#) report on [#climatechange](#) .

bit.ly/3xUel5f

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



EU Maritime & Fish and 9 others

1 33 33

European Atlas of the Seas @EuropeAtlasSeas · 10 Sep

With the [#MapOfTheWeek](#), learn about beach litter, the [#EUBeachCleanup](#) campaign, the Marine Strategy Framework Directive and what you can do for a [#healthyocean](#)!

bit.ly/2VwUvjh

[#OceanLiteracy](#) [#ForNature](#) [#EU4Ocean](#) [#MakeEUBlue](#)



EU Maritime & Fish and 9 others

5 19

Twitter : Examples – Ambassadors

You Retweeted

Ari Huusela @arihuusela · 27 Apr

Merikartat kertovat monenlaista. Klikkaa linkkiä alla, niin pääset tutustumaan isoon kiinnostavaan maailmaan. 🌍🌊 #merikartta @jurmisenensaatio #vahvaamyötätuulta

European Atlas of the Seas @EuropeAtlasSeas · 27 Apr

We are delighted to welcome our 16th ambassador sharing in #Finnish why you should #ExploreYourOcean!

Thank you Ari Huusela (@arihuusela), skipper Vendée Globe 2020 #VG2020, for supporting #OceanLiteracy!

bit.ly/3dRaQ8F

#EU4Ocean #Education #Finland



Meri voittaa aina. Merta ei voi kontrolloida, mutta sen kunnioittaminen ja tuntemaan oppiminen pitää meidät tällä planeetallamme hengissä. Kun oma suhde mereen muodostuu, antaa se jotain ainutkertaista.

Sea is always the greatest. It cannot be controlled. Respecting and learning about it keeps us alive. I encourage everyone to make friends with the sea - the journey will be worth it.

Ari Huusela
skipper Vendée Globe 2020

Sukella mukaan tutkimaan omaa merta!
Dive in and #ExploreYourOcean!

[@EuropeAtlasSeas](https://twitter.com/EuropeAtlasSeas)



🗨️ 2 ❤️ 18 🔄



Easkey Ph.D. @Easkeysurf · 14 Oct 2020

"Science is evidencing the power of the sea to heal us. The health of the ocean and health of humans are completely interconnected. If we restore the sea, we restore ourselves." @EuropeAtlasSeas
Explore the seas of Europe - now available in Irish!

[🌍🌊](#)
[#ExploreYourOcean](#)



To ar eolaíocht ag pánaise curtha ar fáil farráige chun muid a leighas. Tá sláinte na farráige agus sláinte daoine fite fuaite ina chéile. Má dhéanaimid ar farráige a athshlánú, déanaimid muid féin a athshlánú.

Science is evidencing the power of the sea to heal us. The health of the ocean and health of humans are completely interconnected. If we restore the sea, we restore ourselves.

Dr. Easkey Britton, PhD
Surfer & Marine Social Scientist

Léim isteach agus déan iniúchadh ar do farráige
Dive in and #ExploreYourOcean!

[@EuropeAtlasSeas](https://twitter.com/EuropeAtlasSeas)



🗨️ 🔄 9 ❤️ 26 🔄

Twitter : Examples – Virtual exhibition

📌 Pinned Tweet



European Atlas of the Seas @EuropeAtlasSeas · 28 Jun



Looking for [#data](#) on the [#ocean](#) & [#seas](#)? Visit the [@EuropeAtlasSeas](#) space in the [#EMODnetConference](#) [#virtualexhibition](#) to discover the [#Atlas](#) presentation, watch our tutorial, learn from the Atlas Ambassadors & test your knowledge!

bit.ly/3A951fR

[#Oceanliteracy](#)



EU Maritime & Fish and 9 others



↻ 15

♥ 21



Twitter : Examples - Events



European Atlas of the Seas @EuropeAtlasSeas · 20 May
The European Maritime Day conference is starting today! #EMD2021 is going virtual from Den Helder.
Ready to attend the opening session online this morning!
Looking forward to the #EU4Ocean and the @IOLNetwork #workshops this afternoon.

#Oceanliteracy



EU Maritime & Fish and 9 others

11 retweets, 29 likes



Association for Teacher Education in Europe Retweeted your Tweet

Sunday will be #MathematicsDay! bit.ly/idm314.org

DYK you can measure distances & areas in the @EuropeAtlasSeas? Activate the 'Measures tool' in the menu, choose 'Area' / 'Distance' and click on the selected locations on the map bit.ly/3labrUS

#STEM #idm314 pic.twitter.com/dXJ0frJ8c



European Atlas of the Seas @EuropeAtlasSeas · 27 Nov
On #EuropeanResearchersNight, dive into the @EuropeAtlasSeas to learn about marine installations
bit.ly/36eTQ8K

#marinescience #oceanliteracy



EU Maritime & Fish and 9 others

2 comments, 1 retweet, 8 likes

Twitter : Examples - Workshops

You Retweeted

 **EATIP** @EATIP_eu · 20 May

Great (& important) discussions on [#ocean](#) [#literacy](#) during [#EMD2021](#) including from [@EMODnet](#) on the European Atlas of the Seas - incl. application to [#aquaculture](#). Every day is a learning day - with interactive tools such as this making it fun at the same time! 🤖👉👎👍🇪🇺🌊🐟🗺️



EMD
EUROPEAN MARITIME DAY
Den Helder
20-21 May 2021

EMODnet
European Marine Observation and Data Network

You and 2 others

4

4

 **European Atlas of the Seas** @EuropeAtlasSeas · 19 May

Registrations to the [@EuropeAtlasSeas](#) [#onlineworkshop](#) on 16 June 2021 are open! Join us to learn about the story behind map layers and how the Atlas can be used in [#education](#) & [#oceanliteracy](#).

Agenda [bit.ly/3ovHAYS](#)
Register [bit.ly/2QuC5Nq](#)
[#ESD](#) [#STEM](#) [#Geo](#)



On an amazing journey with the European Atlas of the Seas!
Online Ocean Literacy workshop
16 June 2021 (14h-17h CET)

[www.european-atlas-of-the-seas.eu](#)
[www.emodnet.eu/en/instruments_of_the_atlas](#)
Dive in and [#ExploreYourOcean!](#)

[@EuropeAtlasSeas](#) European Commission

EU Maritime & Fish and 9 others

16

29

Twitter : Examples – Education & OL



European Atlas of the Seas @EuropeAtlasSeas · 11 May



Looking for information on the [#EMDInMyCountry](#) events? Explore the new [@EuropeAtlasSeas #map!](#) [▶ bit.ly/3eD93o9](https://bit.ly/3eD93o9)

There is a treasure in the map! Follow the guide in the [#Teachers](#) Corner to find it! [▶ bit.ly/33DvZx2](https://bit.ly/33DvZx2)

[#oceanliteracy](#) [#EUBlueschools](#) [#STEM](#)



EU Maritime & Fish and 9 others



13

27



Twitter : Examples - Tools

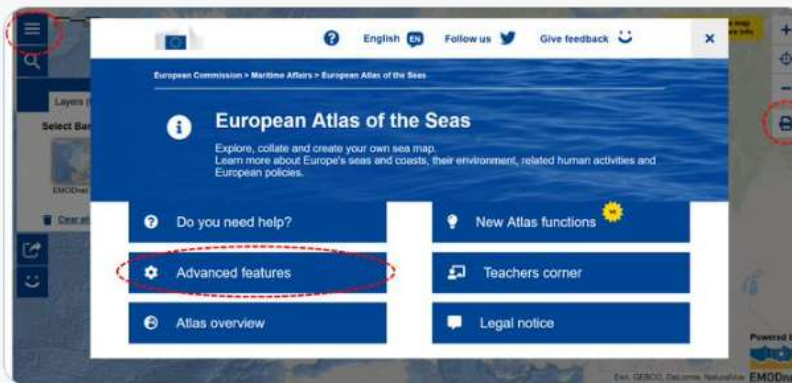


European Atlas of the Seas @EuropeAtlasSeas · 23 Nov

DYK that you can extract & print #Maps from the @EuropeAtlasSeas? To do so, open the menu, go to 'Advanced features' and activate the printing tool. An icon will appear on the screen.

Do you have a question? Click on 'Give feedback' and let us know!

#oceanliteracy



EU Maritime & Fish and 9 others



European Atlas of the Seas @EuropeAtlasSeas · 27 Apr

Looking for a quick guide on how to use the @EuropeAtlasSeas? Watch our new #videotutorial and learn how to choose the language, select #map layers, export maps, access the #Teachers Corner & much more!

bit.ly/32RBzf3

#OceanLiteracy #EUBlueschools #EU4Ocean #ESD



EU Maritime & Fish and 9 others



Twitter : Retweets from the community



Biblioteca CRAI UPO @bibupo · 12 Feb

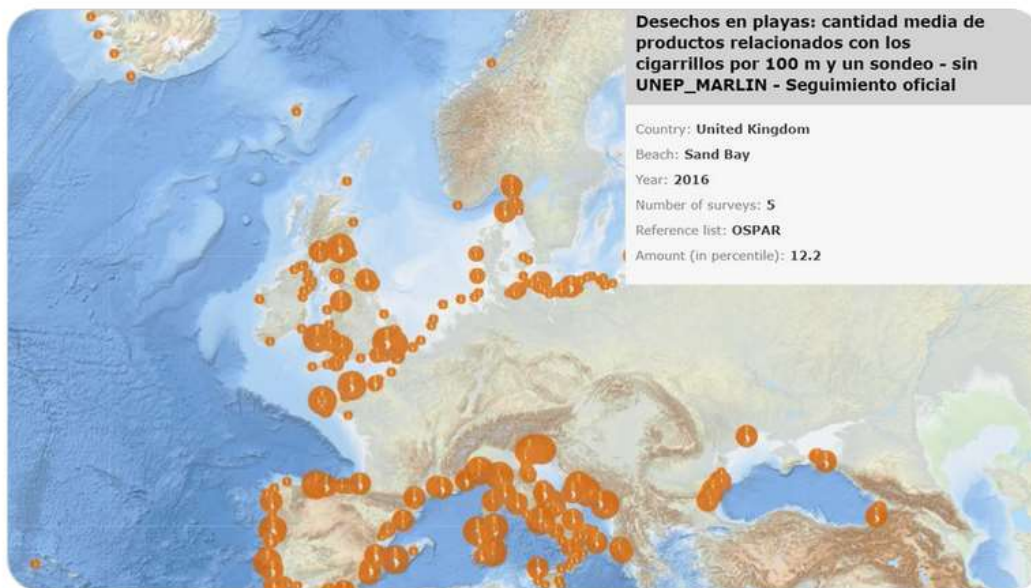
European Atlas of the Seas (@EuropeAtlasSeas). Una excelente herramienta para explorar los mares y costas de Europa y crear tus mapas marinos.

En 24 idiomas

ec.europa.eu/maritimeaffair...

El 🌊 de la imagen evidencia algo que por desgracia intuíamos. 😞

#ProtectTheOceans #EU4Ocean



Twitter : Retweets from the community



One year Ambassadors' campaign



- 24 languages > 24 Ambassadors
- 13 women, 11 men
- Profile: Commissioner, EC Director-General, public authorities/bodies, surfer, skipper, diver, directors of institute, scientists, coordinators of NGOs, Michelin Star Chef

September 2020 – September 2021

One year Ambassadors' campaign



Aš tikiu, kad vienas geriausių būdų išsaugoti sveikus vandenynus yra padėti europiečiams geriau suvokti jų svarbą ir ugdyti suvokimą, kad vandenynų būkle priklauso nuo kasdienės kiekvieno iš mūsų veiklos.

I believe that one of the best ways to preserve healthy oceans is to help Europeans better understand their importance and to raise awareness that the state of the oceans depends on the daily activities of each of us.

Virginijus Sinkevičius, European Commissioner for Environment, Oceans and Fisheries

Nerkite į žinių vandenyną!
Dive in and #ExploreYourOcean!

@EuropeAtlasSeas



Wenn wir den Ozean kennen, können wir ihn schützen. Und wenn wir den Ozean schützen, schützen wir das Klima. Informier auch Du Dich und gestalte eine nachhaltige Zukunft für uns alle!

When we know the ocean, we can protect it. When we protect the ocean, we protect the climate. Get informed and contribute to a sustainable future for us all!

**Neelke van den Bergardt
Project manager of Hamburg Climate Week and EU Climate Pact Ambassador**

Tauchen Sie ab und erforschen Sie Ihren Ozean!
Dive in and #ExploreYourOcean!

@EuropeAtlasSeas



Az óceánok mindannyiunk számára nélkülözhetetlenek, s tudatosan meghozott fogyasztói döntésekkel egy kis szárazföldi ország lakossága is sokat tehet a tengeri élővilág megővésoért.

Oceans are indispensable to all of us, and even people living in a small inland country can make efforts to save our marine environment by making conscious consumer choices.

**Eszter Kelemen
Ecological economist at the Environmental Social Science Research Group (ESSRG)**

Tengernyi felfedeznivaló várja az érdeklődőket!
Dive in and #ExploreYourOcean!

@EuropeAtlasSeas



O Oceano como bem maior para a segurança da planeta enfrenta sérios problemas que necessitam de políticas globais. Promover uma boa governação baseada no conhecimento científico requer cidadãos informados que apoiem a evidência científica, a que se tornou ainda mais importante em tempos de pós-verdade, notícias falsas e crenças pós-factuais.

The Ocean, as a major asset to the security of our planet, faces serious problems which must be addressed by global policies. Enabling good governance based on scientific knowledge requires literate citizens supporting scientific evidence. This becomes even more important in times of post-truth, fake news and post-factual beliefs.

**Ricardo Serrão Santos
Minister of the Sea of Portugal**


Mergulhe e explore o oceano!
Dive in and #ExploreYourOcean!

@EuropeAtlasSeas



<https://emodnet.eu/en/meet-european-atlas-seas'-ambassadors-advocating-advanced-ocean-literacy>

One year Ambassadors' campaign

 **Ong Mare Nostrum**
9 December 2020 · 🌐

The Executive Director of Mare Nostrum NGO, Mrs Mihaela Mirea Căndeia, becomes the Romanian ambassador of the European Atlas of the Seas, an ocean literacy tool now available in 24 languages!

Find out why you should #ExploreYourOcean and support #OceanLiteracy!

👤 Since September 2020, citizens from all around Europe can navigate the European Atlas the Seas in Romanian as well as in the 23 other official languages of the European Union, making the Atlas an even more accessible and useful educational tool.

Dive in the Atlas Rightwards arrow <https://bit.ly/3ozltja>
#EU4Ocean #Education



Reușim să înțelegem valoarea mării doar cunoscând în detaliu ce se întâmplă în apele sale. Doar așa vom putea să empatizăm și să simțim efectul pe care îl producem cu fiecare gest pe care îl facem.

“

We can only really appreciate the value of the sea by knowing in detail what is happening in its waters. This knowledge allows us to empathise, and fully understand the consequences of our actions.

Mihaela Mirea Căndeia
Executive director, Mare Nostrum NGO


Cufundați-vă în misterele oceanului
Dive in and #ExploreYourOcean!

@EuropeAtlasSeas



Neele van den Bongardt
Project Manager Hamburg Climate Week | EU Climate Pact Ambassador

Voir le profil complet

 **Neele van den Bongardt** · 1er
Project Manager Hamburg Climate Week | EU Climate Pact Ambassador
1 sem. · 🌐

With the newest release of the European Atlas of the Seas, citizens from all around Europe now have access to stunning marine maps and interactive oceanic information in their own language, making the Atlas an even more accessible and useful educational tool.

285 interactive map layers, the possibility to create custom maps and the most detailed background map available worldwide, provided by EMODnet - all free to use, share and work with!


For example this map which shows you all litter found in the sea and on European shores including its composition: <https://bit.ly/3rgna6s>

I feel honoured to have become the German ambassador for the Atlas and recommend it as a valuable resource for improving #oceanliteracy

Check it out: bit.ly/35Fqd0h

EMODnet European Commission

Voir la traduction



Wenn wir den Ozean kennen, können wir ihn schützen. Und wenn wir den Ozean schützen, schützen wir das Klima. Informier dich Du Dich und gestalte eine nachhaltige Zukunft für uns alle!

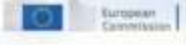
“

When we know the ocean, we can protect it. When we protect the ocean, we protect the climate. Get informed and contribute to a sustainable future for us all!

Neele van den Bongardt
Project manager of Hamburg Climate Week and EU Climate Pact Ambassador

Tauchen Sie ab und erforschen Sie Ihren Ozean!
Dive in and #ExploreYourOcean!

@EuropeAtlasSeas



One year Ambassadors' campaign

Map in staging



Maps of the Week

- Between 18 September 2019 and 17 September 2021, there were 101 'Maps of the Week'.
- Posted on the Maritime Forum and the EMODnet Central Portal

European Atlas of the Seas @EuropeAtlasSeas · 27 Aug

With the [#MapOfTheWeek](#), learn about river runoff trends, World Water Week 2021 [#WWWWeek](#), [water and marine policy](#), the [#EU4Ocean](#) [#BalticSea](#) [#OceanLiteracy](#) online event and the [#EUBeachCleanup](#) campaign!

bit.ly/3yy0dPr

[#BluePlanet](#) [#MakeEUBlue](#)



EU Maritime & Fish and 9 others

9 15

European Atlas of the Seas @EuropeAtlasSeas · 2 Apr

With the [#MapOfTheWeek](#), learn about the importance of [#algae](#), [#ecosystemservices](#) and algae production facilities. DYK that algae are a source material for use in pharmaceuticals, cosmetics, nutrition and energy? bit.ly/2PuBpHh

[#BlueEconomy](#) [#EUGreenDeal](#) [#EU4Ocean](#)



EU Maritime & Fish and 9 others

11 20

Maps of the Month

- Between 18 September 2019 and 17 September 2021, there were 25 'Maps of the Month'.
- Published in DG MARE Newsletter

Map of the month

Fisheries Local Action Groups (FLAGs)

FLAGs are local, bottom-up initiatives that aim to develop the local fisheries sector in a way that is environmentally friendly, as well as socially and economically sustainable. Based on their strategy, the FLAGs select and provide funding to local projects. Zoom in to learn more about the FLAGs in the Black Sea region. Click on the name of the FLAGs to get more information.



more

Map of the month

The green fields of the Med

The health of marine ecosystems and sustainable development of the blue economy are directly interconnected. *Posidonia oceanica*, commonly known as Neptune grass or Mediterranean tapeweed, is a seagrass species that is endemic to the Mediterranean Sea. It forms large underwater meadows that are an important part of the ecosystem. *Posidonia oceanica* meadows are on the decline. As they provide multiple ecosystem services, their conservation and restoration are important. Explore the Map of the Month to learn about *Posidonia oceanica* distribution.



More

Partners – Escola Azul



European Atlas of the Seas @EuropeAtlasSeas · Nov 23
We are so grateful to collaborate with a group of #teachers from the Escola Azul programme (@DGPM_Portugal) to create educational resources using the @EuropeAtlasSeas. The first meeting took place last weekend. Thank you for your involvement with us! #Oceanliteracy #Education



European Atlas of the Seas @EuropeAtlasSeas · 8 May
Thank you to @DGPM_Portugal, @geofactualidade and all of the teachers who contributed to the @EuropeAtlasSeas meeting for their work and amazing ideas on how to use the Atlas in #education and #oceanliteracy!



Workshops with teachers:

- Presentation of the Atlas to the Working Group (Nov.2020)
- Presentation by the teachers of their work (May 2021)

Partners – Escola Azul

The screenshot shows the website interface for the European Atlas of the Seas. The main content area is titled "Published on: Mon, 16/08/2021 - 16:02". The text describes the atlas's features, including 24 official languages and 285 layers of information. A sidebar on the left lists "Atlas Teachers Corner" exercises, and a sidebar on the right shows "More like this" recommendations. The main content area includes a navigation bar for age groups (Até 12 anos, 12-15 anos, 15-18 anos) and a section for "European Atlas of the Seas" with links to explore, consult layers, and view recent presentations.

Themes

Communities Search F.A.Q

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

A A View as pdf

Atlas Teachers Corner

+ Teachers Corner
+ Espace enseignants
- Espaço dos professores

- Até 12 anos
 - Países, transportes, população, fundo do mar, pesca e energia
 - Habitats marinhos
 - Será que é preciso proteger o oceano?
- 12-15 anos
 - As condutas do Norte
 - Operações com números em notação científica
- 15-18 anos
 - A bolha de frio do Atlântico Norte
 - Mineralização das Águas do Mar
 - Telecomunicações e Ondas Sonoras em Meio Aquático

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.

European Atlas of the Seas

Explore, colija e crie o seu próprio mapa

Consulte a lista de camadas

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

Apresentações recentes

More like this

- Países, transportes, população, fundo do mar, pesca e energia
- Habitats marinhos
- Será que é preciso proteger o oceano?
- As condutas do Norte
- Operações com números em notação científica

8 multidisciplinary exercises for the Teachers Corner

Partners – Escola Azul

How can the European Atlas of the Seas be used in classrooms?

Please tell us how you are planning to use the Atlas.

Age group (remove non-relevant rows)	Suggested types of activities (e.g. exercises, quizzes, treasure hunts, empty maps to complete with the names of countries or seas, posters, illustration of presentations ...)
Primary school students (up to 12 ^{yo})	<ul style="list-style-type: none"> • Use of GIS tools • Basic localization and identification exercises • Basic comparison exercises (larger, smaller, larger area, smaller area ...) • Building maps (1 or 2 variables) • Natural and human element's location related to the coast or marine resources, in different scale maps • Use of cartographic bases for application of other resources (exercises, quizzes, ...) • The use of the Atlas by students up to 10-12 ^{yo} will always be highly conditioned in Portugal. Although the Atlas is translated into Pt, the layers are not. In order to respond to the essential learnings of this ages, it would be interesting to use the Atlas to start the perception of the place of Portugal in Europe, of the seas bathing different countries, of the existing borders, etc. However, the information that will appear is always in English (country name, capital, etc.), the name of the seas is also in English...
Secondary schools (13-15 years old students)	<ul style="list-style-type: none"> • Use of GIS tools • Confirmation of data • Basic localization and identification exercises • Calculation of area by estimate • Scale interpretation • Graphics interpretation • To locate natural elements, protected areas, resource exploration and infrastructures in maps at different scales • Use of cartographic bases for application of other resources (exercises, quizzes, ...) • Cartographic construction techniques training using GIS • Building maps (1 or 2 variables) • Research works relating several layers.

6

EUROPEAN ATLAS OF THE SEAS/ ATLAS EUROPEU DOS MARES

Document prepared by Associação de Professores de Geografia (APG) – Geography Teachers Association

A. LAYERS - ORGANIZATION/STRUCTURE

1. The structure of the layers greatly influences the (dis) comfort the user might feel during the exploration of the Atlas. When going through the list of layers, it appears that there are two or more layers related to a specific sub-theme that appear in different themes which makes the consultation confusing and time-consuming.

Examples:

Group 1 (**Environment** - *Global mean sea level regional trend*; **Nature** – *Relative sea level trends, Sea level anomalies, Sea level change*)

Group 2 (**Environment** - *Global sea surface temperature regional trend, Satellite Images – Sea surface temperature (satellite-derived), Sea surface temperature anomalies (satellite-derived)*)

Group 3 (**Environment** – *Concentration of chlorophyll-a - summer, spring, autumn, winter Satellite Images – Chlorophyll concentration (satellite-derived), Chlorophyll concentration anomalies (satellite-derived), Global Ocean Chlorophyll (daily), Global Ocean Chlorophyll (monthly-mean)*)

Group 4 (**Governance** – *Advisory Councils (Aquaculture)*; **Organisations and councils** – *Advisory Councils*)

Group 5 (**Population** – *Culture e tourism – cities and greater cities* (the information refers to the number of overnight stays in tourist accommodation establishments); **Tourism** – *Nights spent at tourist accommodation establishments by coastal/ non-coastal areas*).

It is important to make a general review of the layers, grouping them by theme in detriment of territorial unit (e.g. Culture and tourism - cities and greater cities in the theme Tourism and not in Population due to the territorial unit - cities and greater cities) or the resource that constitutes the source of information (e.g. satellite images).

2. As there is no apparent criterion for the sequence of the layers (e.g. alphabetical order), it is suggested that the starting theme should be **Europe**, due to the importance of it and the frequency of use. In addition to being the theme that refers to location, delimitation, and identification of spaces in the European context, essential before proceeding to the study of any variable, it is also, and therefore, a base layer that is repeatedly activated for the study of multifactorial phenomena.

3. In view of importance of the **Europe** theme, it is suggested to include the layers “Rivers and lakes” (**Nature**) and “Limits of oceans and seas” (**Spatial planning**) as they are natural structural elements of the territory.

4. We suggest integrating the “Global sea-basins” (**Nature**) and “Exclusive Economic Zone” (**Governance**) layers in **Spatial Planning**.

5. We suggest that the layers from **Organizations and councils** be integrated into **Governance** because they reflect the same content.

Atlas Europeu dos Mares @ Ana Cristina Câmara | Pedro Damião | Susana Maurício Dias

Feedback from teachers and suggestions



Partners – Escola Azul



European Atlas of the Seas @EuropeAtlasSeas · 16 Jun
 P. Conceição @DGPM_Portugal presenting the inspiring initiative #EscolaAzul at the @EuropeAtlasSeas #oceanliteracy workshop!

Thank you for this fruitful partnership and for the work & dedication of the 11 #teachers who created exercises for our Teachers' corner. Amazing work!



Scientist and 5 others



European Atlas of the Seas @EuropeAtlasSeas · 14 Jun
2 days left before our workshop! Make sure that you register to hear @DGPM_Portugal Patrícia Conceição and #EscolaAzul #teachers share their experience on how to integrate the #ocean into #school work!

Programme & registration bit.ly/3i94WCC



EU Maritime & Fish and 9 others



Partners - Nausicaá

- Develop **educational material**, pedagogical sheets and guides for teachers;
- Integrate the Atlas in **Canopy** (database for teachers in France);
- Create **games** with the Atlas;
- Explore collaboration for joint booth/workshop at **events** (e.g. European Maritime Day);
- Organise **webinars and trainings.**



European Atlas of the Seas @EuropeAtlasSeas · 8 Jun

Thank you @62lwona and @PlaneteNAUSICAA for this great partnership with the @EuropeAtlasSeas 🌍🌊🌐! Happy #WorldOceanDay !

Wish to know more about this partnership? Join us for the online workshop on 16 June bit.ly/3pvtAia

#EU4Ocean #MakeEUBlue #Oceanliteracy #ESD



Iwona Gin @62lwona · 8 Jun

Dive & #ExploreOurOcean with @EuropeAtlasSeas on #WorldOceanDay at @PlaneteNAUSICAA & make your pledge for the #OurOcean #MakeEUBlue #EU4Ocean



Partners - Nausicaá

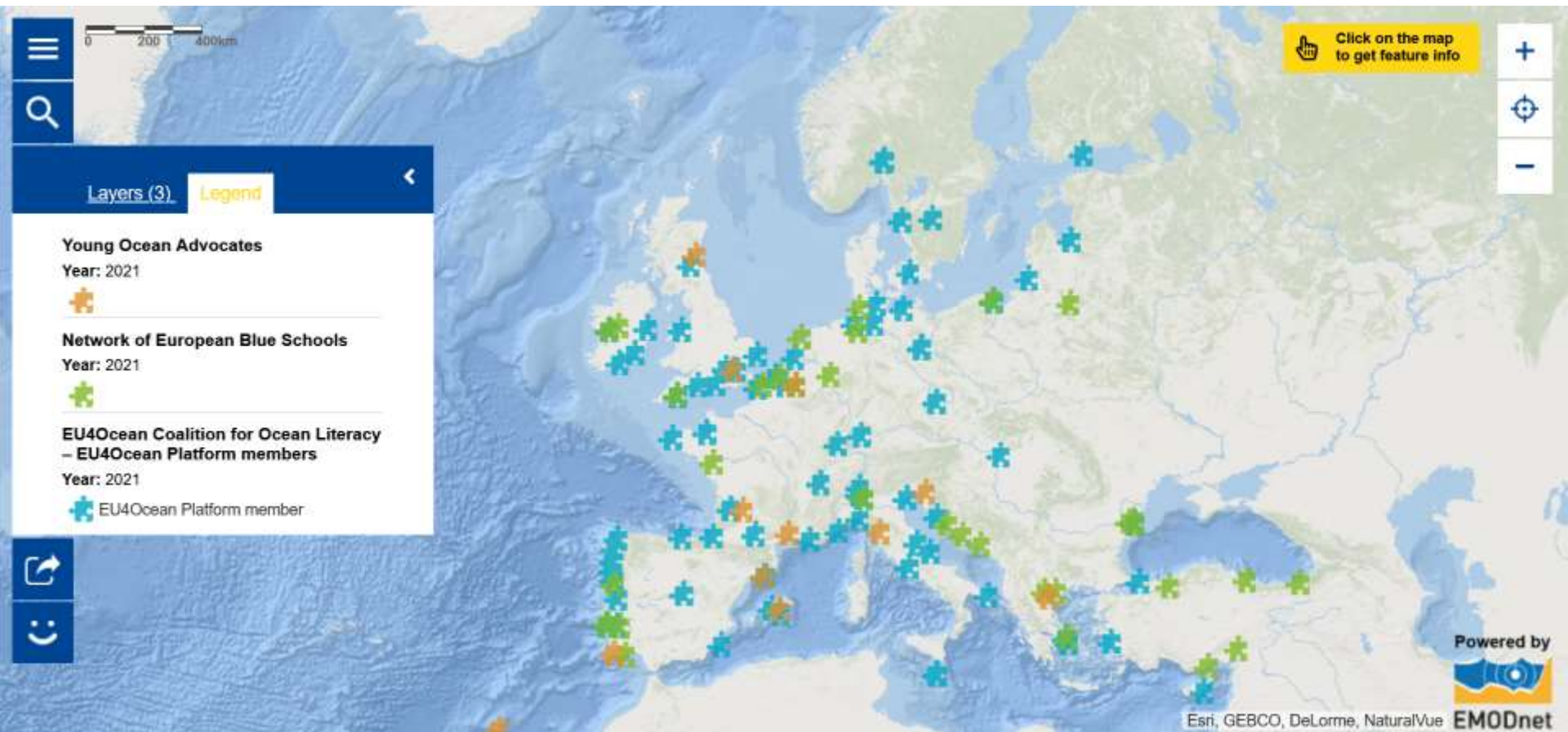
European Atlas of the Seas @EuropeAtlasSeas · 16 Jun
How to engage the general public in [#oceanliteracy](#) with the [@EuropeAtlasSeas](#)?

Thank you to our partner [@PlaneteNAUSICAA](#) for using & presenting the Atlas in different ways to your audience! [#Quiz](#) [#Exhibition](#) [#Training](#)

[#EU4Ocean](#) [#Youth4Ocean](#) [#EUBlueSchools](#) [#STEM](#)



Synergies - EU4Ocean



Synergies – EU4Ocean



 Network of
European
Blue Schools

A wave of

EUROPEAN

BLUE

SCHOOLS

Handbook for teachers



INSPIRING PROJECTS

Climate and ocean

Global warming has alarming impacts on our coasts.
Use the European Atlas of the Seas to describe the state of the coastline in your country.



https://ec.europa.eu/maritimeaffairs/sites/maritime_atlas/files/maritime_atlas/Wang=Eliz-w2kgd-5,theme=195:0.75z=1488680.7684704750,6372396.293862254z=3

European Atlas of the Seas · Coastline changes

Coastline changes based on satellite data (2019)

- Erosion (coastline retrogradation)
- Stable (imperceptible change)
- Accretion (coastline progradation)

Synergies – EU4Ocean

Contribution to 2021 STEM Discovery Campaign workshops - EU4Ocean & Scientix

- ✓ 26 February 2021 - teachers with students aged 3-9
- ✓ 25 March 2021 - teachers with students aged 10-14
- ✓ 21 April 2021 - teachers with students aged 15-19

Tracks: a) Food from the Ocean, b) Climate and Ocean and c) Healthy and Clean Ocean

 **European Atlas of the Seas** @EuropeAtlasSeas · 1 Mar
Happy to have presented the @EuropeAtlasSeas to #teachers at the @scientix_eu & #EUBlueSchools workshop on Friday! Great to hear about the schools' inspirational projects! Wish to participate in future workshops? bit.ly/2NT01f0

#Oceanliteracy #STEM #EU4Ocean



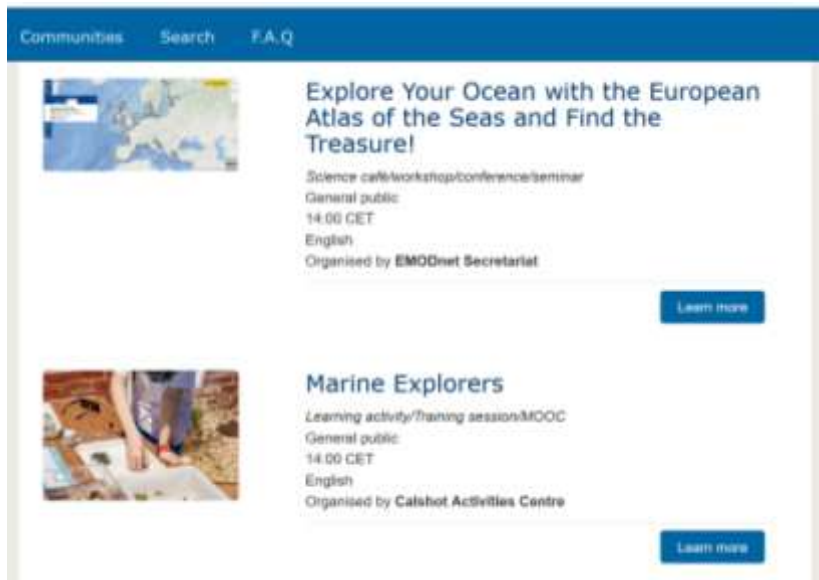
EU Maritime & Fish and 9 others

5 20



Synergies – EU4Ocean

Communities Search F.A.Q



Explore Your Ocean with the European Atlas of the Seas and Find the Treasure!
Science call/workshop/conference/seminar
General public
14:00 CET
English
Organised by EMODnet Secretariat
[Learn more](#)

Marine Explorers
Learning activity/training session/MOOC
General public
14:00 CET
English
Organised by Calshot Activities Centre
[Learn more](#)

Atlantic Ocean and the North Sea Ocean Literacy Festival

SUBMARINER Network @SubmNet - 26 Aug
Join us again tomorrow from 10:00 CEST - and discuss @OceanLiteracy #EUBlueSchools, #BalticYouth and the #MakeEUBaltic campaign!

tinyurl.com/BalticOceanLit... #EU4Ocean #MakeEUBlue @mare @EurOceanCentre @EcologicBrussel @emseassociation #Youth4Ocean @EuropeAtlasSeas

EurOcean @EurOceanCentre - 26 Aug
The #OceanLiteracy event "Let's Make the Baltic Sea Blue" has started!

Follow the Livestream
youtube.com/watch?v=pL7hlf...

#EU4Ocean #MakeEUBlue

Baltic Sea Basin Event

Partnership – EU4Ocean

European Atlas of the Seas @EuropeAtlasSeas · 19 Aug

The @EuropeAtlasSeas is happy to join the #MakeEUBlue campaign!

Learn about the campaign & submit your pledge!

bit.ly/3y3FVgh

#OceanLiteracy #ESD #EU4Ocean

”

The European Atlas of the Seas, under the responsibility of the EMODnet Secretariat, pledges to further promote and expand open access to maps covering a wide range of marine topics to the benefit of ocean literacy, education and sustainable development of our ocean, seas and coasts.

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

#MakeEUBlue

#ExploreYourOcean



EU Maritime & Fish and 9 others



European
Commission

Synergies – DG MARE

Oceans and fisheries

European Commission > Oceans and fisheries > News > Euronews OCEAN Season 3 Episode 7 - Working conditions in fisheries and aquaculture

NEWS ANNOUNCEMENT | 20 July 2021

Euronews OCEAN Season 3 Episode 7 - Working conditions in fisheries and aquaculture

In this episode, OCEAN explores the topic of working conditions in the primary seafood sector.



Map embedded in the online article

Map of the month

Employment in the established blue economy

The 2021 European Blue Economy Report indicates that the established sectors of the EU's blue economy directly employ close to 4.5 million people. Overall, the contribution of marine living resources to the EU blue economy in 2018 was 12% of the jobs as the activities in this sector directly employed over 538,000 persons. The EU has about 59,000 active vessels landing about 4.5 million tonnes of seafood, while the aquaculture sector reached a production of 1.2 million tonnes in 2018.



more

Map of the Month in the DG MARE Newsletter

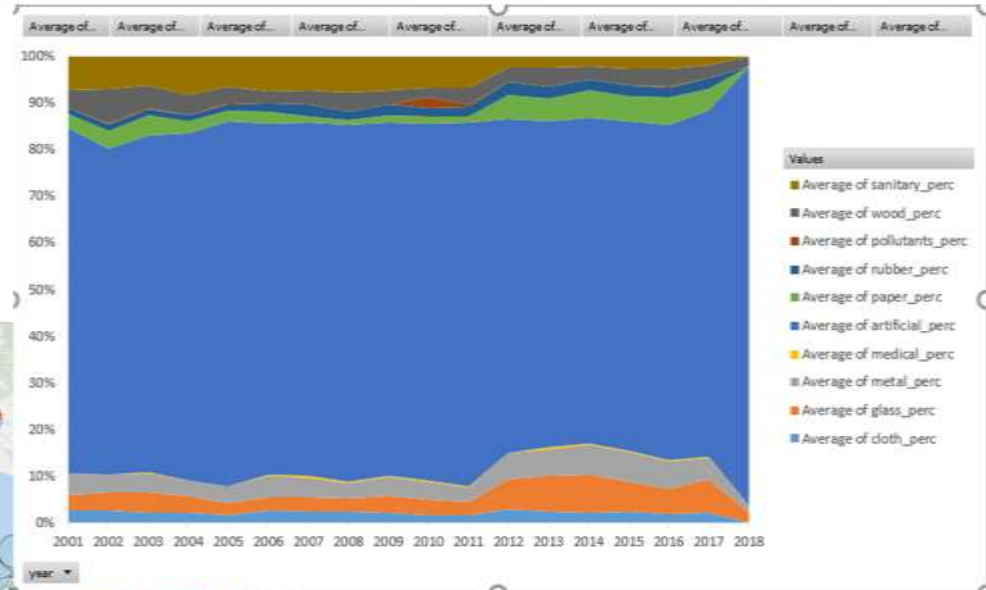
Workshops & Teachers Training 2019

Examples

hkn 22-29 Sept 2019
11. Hamburger Klimawoche

- *HKW: 4 workshops to high school classes*
- *BGD: 2 workshops for high school teachers*
- *Workshops include:*
 - How to use the Atlas?
 - Simple exercises with the Atlas on environmental challenges
 - Marine Litter exercise with the Atlas and Excel

THE BELGIAN GEOGRAPHERS
EDITION 2019 - HOSTED BY GHEENT UNIVERSITY **DAYS**
October 18th - 19th



Workshops & Teachers Training 2020-21



CommOCEAN 2020 - Workshop 2 - 1 December 2020

14 weergaven • 24 feb. 2021

DELEN OPSLAAN



Scientix Webinar: European Atlas of the Seas - 14 January 2021

174 weergaven • 15 jan. 2021

5 0 DELEN OPSLAAN

European Schoolnet
4,31K abonnees

ABONNEREN

Science communication - 8 (30 registrations)

STEM - 119 participants



Educational programme



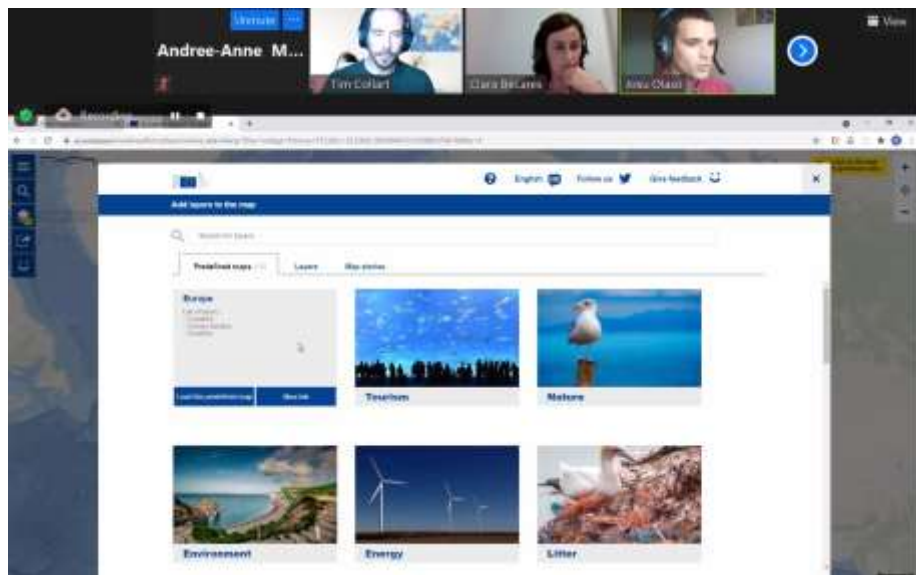
EMD OL workshop
- 66 participants

Total > 10 workshops



Workshops and Teachers Training

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




2 online sessions on
16/06/2021:

- A window on the ocean, seas and coasts
- A great educational tool



- 18 speakers & panellists:
 - ✓ Atlas Team
 - ✓ DG MARE
 - ✓ Atlas Ambassador Easley Britton
 - ✓ Nausicaá & Escola Azul
 - ✓ data provider
 - ✓ members of the EU4Ocean Coalition
- 90 connections, peak of 54 participants at the same time.

Workshops and Teachers Training



An official website of the European Union How do you know? ▾

 **MARITIME FORUM**


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


Themes  Communities Search F.A.Q 

Workshops


Published on: Tue, 17/08/2021 - 10:21  [View as pdf](#) 7 views 

On 27 August 2021, the EMODnet Secretariat presented the [European Atlas of the Seas](#) at the online [Baltic Sea Basin Event on Ocean Literacy](#) organized by the [EU4Ocean Coalition](#), during the morning session 'Bringing the Sea to School in the Baltics' and the afternoon 'Teachers Training Workshop'. The [recording](#) of the Teachers Training Workshop is available on Vimeo.

 [workshop_atlas_baltic_morning_august2021.pdf](#)

 [workshop_atlas_baltic_afternoon_august2021.pdf](#)

On 16 June 2021, the EMODnet Secretariat organised an online workshop on the [European Atlas of the Seas](#) in the framework of the [EMODnet Open Conference](#). Click on the image below to access the webpage dedicated to this workshop which includes the programme and presentations that were made at the workshop.



Teachers Corner and Ocean Literacy

EU Login

Related Issues

Treasure Hunt

Teachers Corner

- + Teachers Corner
- + Espaço enseignants
- + Espaço dos professores
- + Forsters
- + Workshops
- + Presentations
- + Quiz
- + **Treasure Hunt**
- + Easter Egg
- + Biodiversity quiz

Treasure Hunt

Published on: Tue, 17/08/2021 - 11:19

I like it


Share this article

More like this

- Teachers' Guide-Treasure Hunt
- Regional Sea Conventions
- Marine Natura 2000 sites
- Seagrass species
- Biodiversity quiz

Have you ever heard of a treasure, hidden in a map?

Resolve the questions below, travel through the European Atlas of the Seas and find the treasure!



Click on the event... and see what happens!



Teachers Corner and Ocean Literacy

Related issues

[Biodiversity quiz](#)

Atlas Teachers Corner

- + Teachers Corner
- + Espace enseignants
- + Espaço dos professores
 - Posters
- + Workshops
 - Presentations
- Quiz
 - + Treasure Hunt
 - + Easter Egg
 - + **Biodiversity quiz**

Biodiversity quiz



Published on: Tue, 17/08/2021 - 14:46

[A A](#) [View as pdf](#) [🔄](#)



1) The network of marine Natura 2000 sites is a key instrument to protect biodiversity in the European Union (EU). It stretches over 18% of the EU's land area and what percentage of its marine territory?

- (A) Less than 10%
- (B) Around 20%
- (C) More than 30%

[See the answer.](#)

[Share this article](#)

More like this

[Regional Sea Conventions](#)

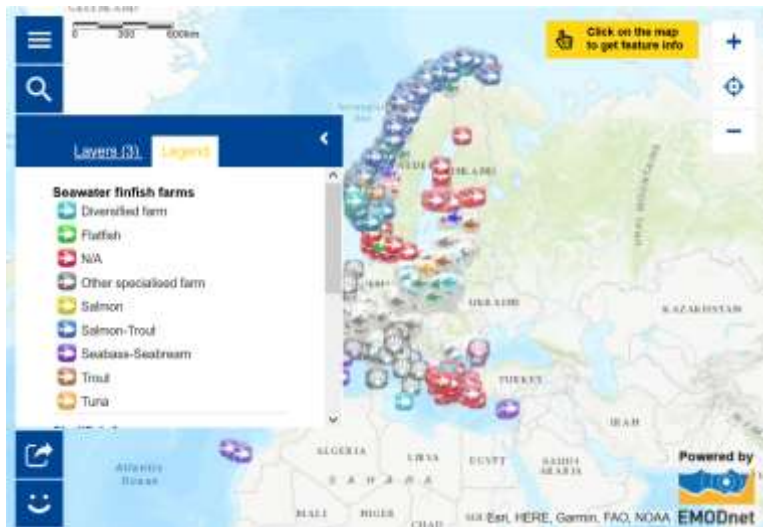
[Marine Natura 2000 sites](#)

[Seagrass species](#)

[Quiz](#)

[Teachers' Guide-Treasure Hunt](#)

Teachers Corner and Ocean Literacy



Examples of questions:

- Which map do you need to find mussels cultivations?
- Where is the nearest mussel cultivation located? At which distance?
- Where do you find the nearest fin fish cultivation? Measure the distances with the measurement tool.
- Where do you find most fin fish cultivation?
- Where do you find most shellfish cultivation?
- Which map do you have to add to find the algae production sites?

Watch the Euronews video below to learn how European producers are making pollution-free aquaculture a successful business.



- In which country is Kush Seafarms located? Can you show some mussel farms in this country on the above map?
- What do mussels grow on?
- What are the characteristics of organic aquaculture?
- In which country is Lillafüred Trout Plant located? Can you show where this country is located using the map layer 'Countries'?

Promotional tool

European Atlas of the Seas @EuropeAtlasSeas · 16 Sep 2020

NEW It's time to [#ExploreYourOcean](#) in 24 languages! 🇪🇺

Discover stunning [#marine](#) [#maps](#) & interactive oceanic information in your own language, with the new [@EuropeAtlasSeas](#). Dive in! -> bit.ly/35Fqd0h

Press release -> bit.ly/2H6mA9u

[#Oceanliteracy](#) [#EU4Ocean](#)



0:14 2.8K views



↻ 71

❤ 69



Video tutorial



The image shows a YouTube video player interface. The video title is "European Atlas of the Seas - Video Tutorial". The video content area shows a blue ocean with a white building and the European Commission logo in the background. The text "Quick guide through the European Atlas of the Seas" is overlaid on the ocean. Below the video, the URL "www.european-atlas-of-the-seas.eu" is displayed. The video player controls show a progress bar at 0:07 / 5:58. The video has 7 likes and 0 dislikes. The channel name is "European Marine Observation and Data Network (EMODnet)" with 164 subscribers. A red "ABONNEREN" button is visible.

Quick guide through the European Atlas of the Seas


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

0:07 / 5:58

European Atlas of the Seas - Video Tutorial

202 weergaven • 27 apr. 2021

7 0 DELEN OPSLAAN ...

 **European Marine Observation and Data Network (EMODnet)**
164 abonnees

ABONNEREN

Animation of online content Maritime Forum

Themes



Communities

Search

F.A.Q

The [European Atlas of the Seas](#) provides information about Europe's marine environment. Users can view predefined and ready to use maps, covering topics such as environment, tourism, security, energy, transport, litter, sea bottom, fishing activity, aquaculture, and much more.

Users can also benefit from an enriched catalogue with more than 250 map layers, covering a wide range of topics, to explore, collate and create their own maps. These maps can be printed, shared and embedded in articles or presentations. The Atlas is the ideal tool for schools, researchers and professionals, or anyone wishing to know more about the European seas and its coastal areas.

Stay on board! Do not miss what is happening. Follow us on [Twitter!](#)

Each week, a new "Map of the week" highlighting an interesting map layer is showcased in the Maritime Forum. Dive in and explore your Ocean!

Teachers' corner

Are you a teacher or an educator interested in ocean literacy? The teachers' corner of the European Atlas of the Seas contains exercises for different age groups as well as communication tools. It is an open platform where you can find and share information, educational material, inspirations and much more!

[Discover our teaching resource](#)

Upcoming events

The Youth4Ocean Forum is calling all young people in the...
1 week 3 days hence

Celebrating ocean literacy in the Mediterranean Sea -...
1 week 2 days hence

Join the Ocean Literacy Festival in the Mediterranean Sea
1 week 4 days hence

Bringing Ocean and Climate to the classroom
2 weeks 2 hours hence

From Fishing to Farming: Aquaculture in Ocean Literacy -...
2 weeks 6 days hence

[View All Events for European Atlas of the Seas](#)

[Dive into the Atlas](#)

All

Articles

Events



Map of the Week – Beach Litter – Composition of litter according to material categories

The Map of the Week shows the types of litter on European beaches according to several categories (polymer, glass, textile, metal, etc.) that have been monitored on Europe's coastline under the Marine Strategy Framework Directive (MSFD).

Last update: 10/09/21



European
Commission

Animation of online content EMODnet Central Portal



← → ↻ 🏠 https://emodnet.ec.europa.eu/en/eu_atlas_of_the_seas 📄 ☆ 🗑️ 📄 📄 📄 📄 📄

European Marine Observation and Data Network (EMODnet)

About ▾ Data Portals ▾ Data Services ▾ Solutions ▾ News & Events ▾ Atlas of the Seas ▾ EU-China ▾

Home > Atlas of the Seas

European Atlas of the Seas

About the Atlas

The **European Atlas of the Seas** provides information about Europe's marine environment, covering topics such as nature, tourism, security, energy, passenger transport, sea bottom, sea level rise, fish consumption, and much more.

Users can benefit from an enriched catalogue with more than 285 map layers to **explore, collate and create their own marine and coastal maps**. These maps can be **printed, shared and embedded in articles or presentations**. The Atlas is the ideal tool for schools, researchers and professionals, or anyone wishing to enhance their knowledge.

It aims to raise awareness of Europe's seas and coasts in the context of the EU's **integrated maritime policy**. To improve accessibility to all EU citizens, the Atlas is available in the **24 official languages of the European Union**.

Media and references in publications

ECO SI UN Ocean Decade 2021



A Collective Ocean Literacy Mission for an Inspiring and Engaging Ocean

By Margherita Zargna (EU Ocean) and Joe Dudgeon (ACEF)

How does the ocean sustain our lives? How does it inspire us? The ocean is a source of food, medicine, and inspiration. It is a source of life, and it is a source of hope. It is a source of life, and it is a source of hope. It is a source of life, and it is a source of hope.



How Can the Youth's Business Potential Drive the Change We Need?

The youth business potential is a key driver of economic growth and innovation. It is a source of life, and it is a source of hope. It is a source of life, and it is a source of hope. It is a source of life, and it is a source of hope.

Collective Action for the Inspiring and Engaging Ocean We Want

Collective action is essential for addressing the challenges of the ocean. It is a source of life, and it is a source of hope. It is a source of life, and it is a source of hope. It is a source of life, and it is a source of hope.

Page 2

Media and references in publications

[INTERNATIONAL NEWS]

European Atlas of the Seas available in 24 languages

Access to stunning marine maps and interactive oceanic information now in different EU languages make the Atlas of the Seas an even more accessible and useful educational tool. Visitors can navigate the atlas in the 24 official languages of the European Union and explore a wide range of popular marine topics, such as tourism, litter, environment, energy, aquaculture, and much more. It has been enriched with more than 285 interactive map layers and the possibility to create custom maps that can be printed, shared and embedded in articles or presentations. "Protecting the ocean, and using our marine resources

sustainably, starts with knowledge and understanding," declared Virginijus Sinkevičius, EU Commissioner for Environment, Oceans and Fisheries, adding that the European Atlas of the Seas improves ocean literacy helping the public across Europe to better understand the importance of oceans and the need to protect them. The atlas comes with a range of new features, including an improved print module and measurement tool, the integration of short stories highlighting interesting map layers and the use of a highly detailed background map provided by EMODnet. An interactive help tool now guides users



With more than 285 interactive map layers and customisable maps the European Atlas of the Seas can be used for numerous purposes by individuals and companies alike. Shown, marine finfish farm locations.

through these new features. The European Atlas of the Seas is an online catalogue of marine maps intended for the general public

and non-expert professionals, and can be found at https://ec.europa.eu/maritimeaffairs/atlas_en.

Article in the Eurofish Magazine in December 2020

Media and references in publications

Twitter case: European Atlas of the Seas and the “map of the week” campaign

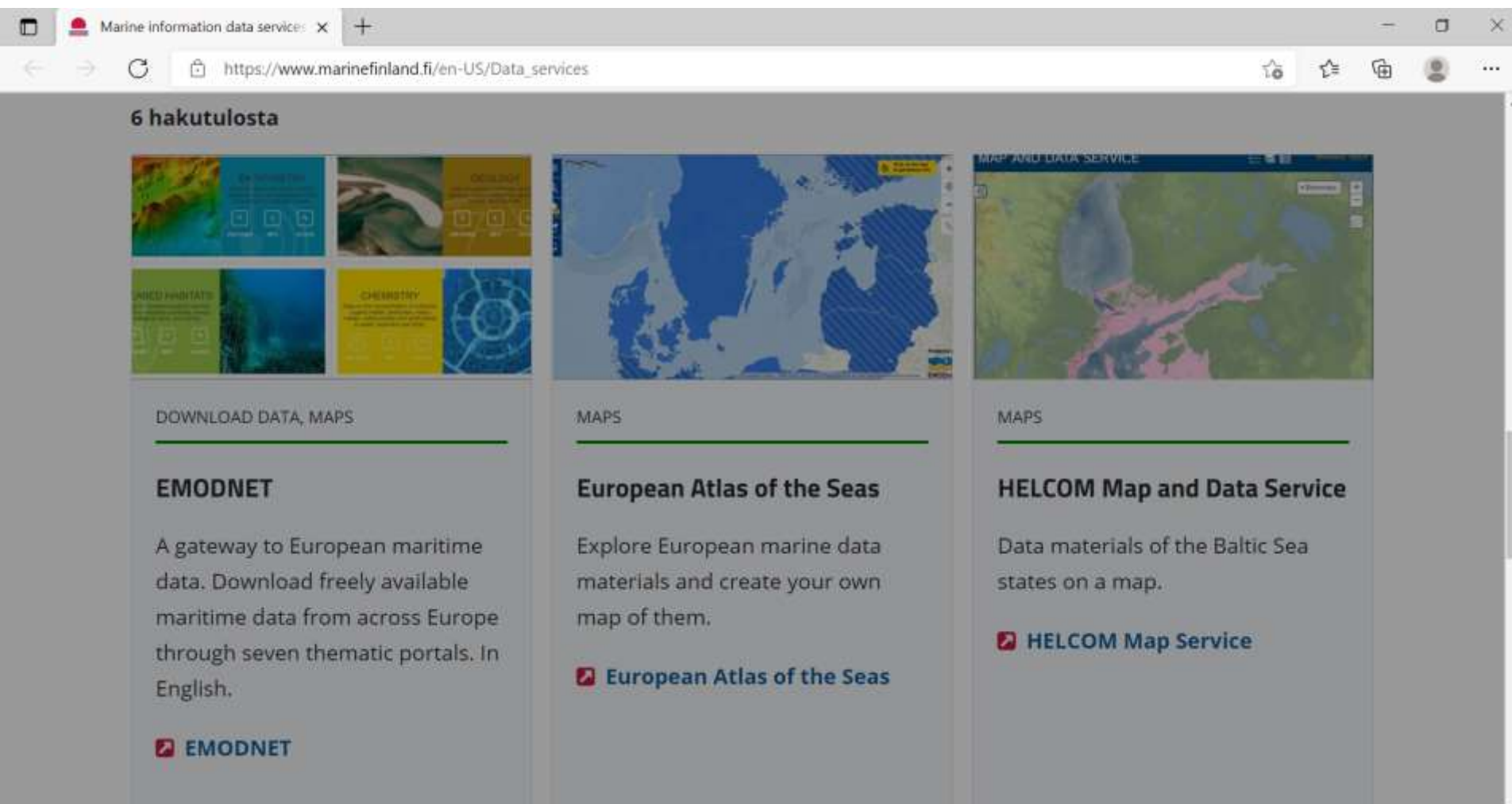
A simple and engaging communication campaign by the European Atlas of the Seas account highlights one map from their database every week. This enables regular animation of the page and provides discussion starters for specific segments of their community to explore the content of [specific maps](#).

Communicating MSP guide by the EU MSP Platform

Maps embedded and referenced online

The screenshot shows a web browser window with the URL <https://fr.euronews.com/2021/02/10/environnement-des-deputes-europeens-demandent-l-interdiction-du-forage-en-mer>. The page features the Euronews logo and navigation menu. The main content area displays a news article snippet: "Les députés proposent également d'harmoniser les dispositions en matière de responsabilité civile et pénale pour tous les dommages environnementaux." Below the text is an interactive map of the North Sea region. The map is titled "Offshore installations (oil & gas)" and includes a legend with four categories: Closed (purple icon), Decommissioned (green icon), Operational (blue icon), and Other (grey icon). A yellow tooltip on the map says "Click on the map to get feature info". To the right of the map is a social media sharing bar with icons for Facebook, Twitter, and Email. On the far right, there is a Financial Times advertisement with the headline "WILL BRITISH BUSINESS TRAVELLERS FACE EU HEADACHES?" and a "Read more" button.

Maps embedded and referenced online



The screenshot shows a web browser window with the address bar displaying https://www.marinefinland.fi/en-US/Data_services. The page content is titled "6 hakutulosta" (6 search results). It features three main result cards, each with a thumbnail image and a description:

- EMODNET**: A gateway to European maritime data. Download freely available maritime data from across Europe through seven thematic portals. In English. Includes a link to **EMODNET**.
- European Atlas of the Seas**: Explore European marine data materials and create your own map of them. Includes a link to **European Atlas of the Seas**.
- HELCOM Map and Data Service**: Data materials of the Baltic Sea states on a map. Includes a link to **HELCOM Map Service**.

Maps embedded and referenced online

Europejski atlas mórz to łatwa w obsłudze, interaktywna internetowa aplikacja geograficzna zawierająca ogólne dane i informacje morskie oraz dane statystyczne dotyczące europejskich mórz i wybrzeży. Mapy w katalogu dotyczą różnych aspektów fizycznych i społeczno-gospodarczych oraz obejmują różne elementy na morzach i w regionach przybrzeżnych Europy.

Zapisz

Kliknij na mapę, by uzyskać informacje o elementach

Maps embedded and referenced online

Ευρωπαϊκός Άτλας των ΧΩΡ

Αρχική Εταίροι Νέα WebGIS Ευρωπαϊκός Άτλας Δημοσιεύσεις

Θαλάσσιος Χωροταξικός σχεδιασμός στην Ευρώπη

Click on the map to get feature info

Plan Botnia

Baltic SCOPE

BalticPlan

Gained insights and recommendations

- Wide interest from diverse audiences to be optimised: teachers, education & ocean literacy associations, scientific researchers, blue economy professionals, policy-makers, ...
- Partnerships are productive & many opportunities exist
 - ✓ For the development of educational material
 - ✓ Promotion at EU and local level
 - ✓ Receiving feedback and ideas for future developments
 - ✓ Integrating the Atlas in Ocean Literacy initiatives

Gained insights and recommendations

- The Ambassadors' campaign was successful, continue to involve Ambassadors on Twitter where relevant.
- Workshops are essential for direct contacts with users and are appreciated by organisers and participants. Good opportunity to get feedback through surveys.
- Opportunities for new activities for the Teachers Corner.



Thank you!

