





20-21 SEPT 2022

EMODNET Marine data for the offshore renewable energy sector in the Northeast Atlantic, North Sea and Baltic Sea

BY INVITATION ONLY #MarineData4OffshoreEnergy



SEP 20-21 2022

EMODnet marine data for the offshore renewable energy sector in the Northeast Atlantic, North Sea and Baltic Sea

20-21 OCTOBER 2022

EMODnet Marine data for the offshore renewable energy sector in the Mediterranean Sea and Black Sea

BY INVITATION ONLY #MarineData4OffshoreEnergy



OCT 20-21 2022

EMODnet marine data for the offshore renewable energy sector in the Mediterranean Sea and Black Sea





MOI will participate to EMODNet Hackathon in April 2023

MOI will invite EMODnet to participate to its WEkEO Hackathon (June 2023)

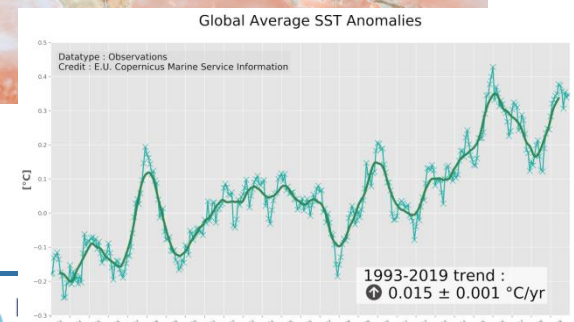
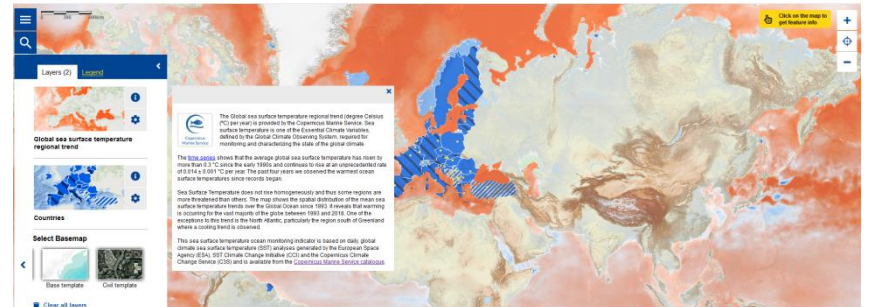
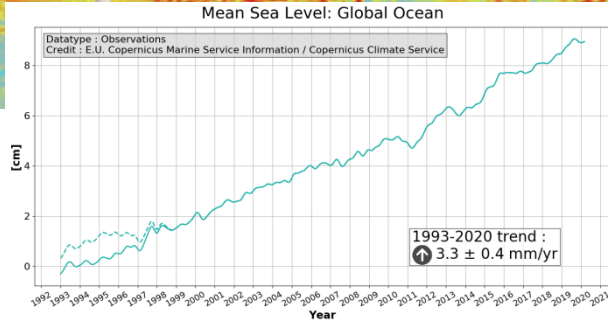
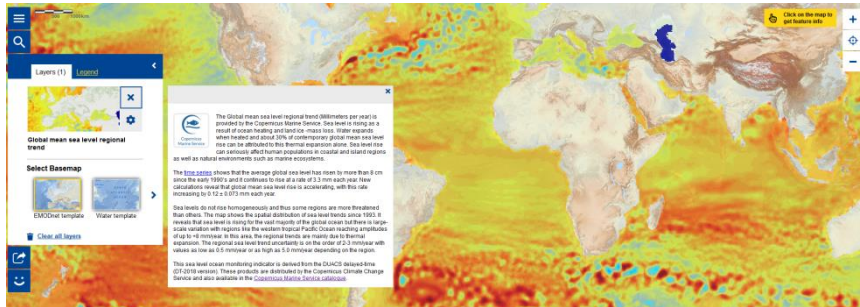




2 Copernicus Marine Indicators displayed in the European Atlas of the Seas

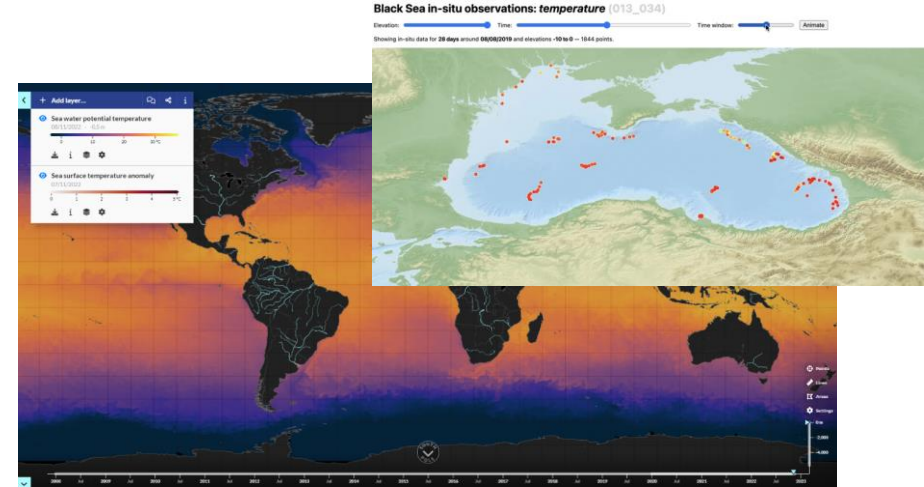
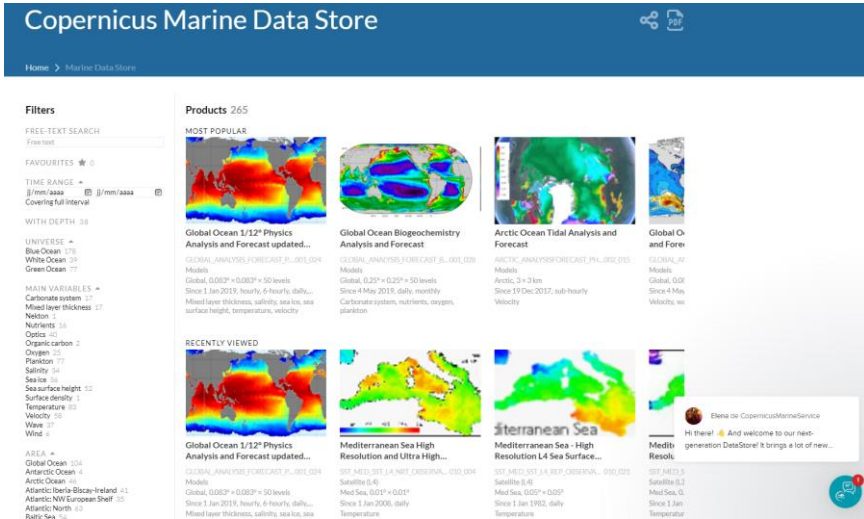
Global Sea level trend

Global SST trend





REGULAR UPDATES 2022-2023-2024 COPERNICUS MARINE DATA STORE (Catalogue, Viewer)



NEW FILTER FOR EU DIRECTIVES

- EU DIRECTIVE **ARCTIC policy** 16
- Marine Strategy Framework Directive (MSFD) 1
- Maritime Spatial Planning (MSP) 2
- Water Framework Directive (WFD) 1

2023-2024 evolutions

- VIEWER : better visualizing in situ data
- DASHBOARDS

- ✓ In 2023, switch from current DU to Serverless Object Storage Marine Data Store
- ✓ Impact on users to be anticipated: largest ever user transition

Benefit for users

- ✓ No more data volume threshold for large download (MY)
- ✓ Faster download, faster subsetting, more scalability: chunk data in any dimension, reduced latency
- ✓ Faster viewing, full resolution view from viewer, all file supported in viewer (static files such as bathymetry, OMI, in situ, SL L3 along track)
- ✓ More APIs available for coders, Machine to Machine API without authentication



Champion User Advisory Group (CUAG)

- **Copernicus Marine Service**
 - **Next Workshop** on Services will take place Wednesday 16th of November, 10h-12h
 - **Summary** of 2022: a kick-off meeting and 2 workshops
 - **Plan** for 2023: General Assembly (June, in person), and 2 thematic workshops online (May and November)
- **WEKEO**
 - **Candidates** were **pre-selected** (User Support is checking the candidates)
 - **Plan** for 2023: kick-off meeting in January and 2 workshops (May and November)
 - Waiting for candidates from other entrusted entities



Service Assessment Questionnaire 2022

- **Draft prepared** based on benchmark of other Copernicus entrusted entities and institutions
- Will be distributed at the beginning of **December internally** for feedback
- Will be delivered in **January** to **users**



User Feedback Report

- Contains info of **sources of feedback** and **main outcomes** divided by Products, Service, and Policy
- To be delivered to the European Commission
- **Draft** in preparation
- **Full draft** could be ready by the end of this month or beginning of December





COPERNICUS THEMATIC HUBS: COASTAL and ARCTIC



Atmosphere



Climate Change



Land



Marine

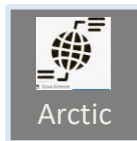


Security



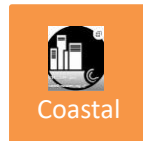
Emergency

ARCTIC

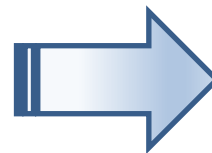


Arctic

COASTAL



Coastal



EU Arctic Policy

Green Deal

Environmental and
Climate Policies

EU National
collaboration

- ✓ Mercator Ocean has been selected to lead the development of 2 proof of concept Copernicus Thematic Hub for **Coastal Zones and for the Arctic**: Facilitate access to data for users working on a specific policy area.
- ✓ Not a new Copernicus Service but a gentle “thematic organiser”
- ✓ Web portals will be launched by mid-2023, and will include all existing Coastal&Arctic Copernicus data. It will be based on WEkEO platform.
- ✓ Add transverse copernicus corporate intelligence



Mercator Ocean has resumed its User Engagement program.

A new call for tender has been launched with a **deadline on March 3 2023.**

The aim is to further develop National Collaboration with EU Member States and EU Contributing Countries for the development of high resolution marine coastal monitoring.



Call for tenders

18-month contract

**National Collaboration
Program / Coastal**



First meeting of the Marine Forum took place on October 17, 2022.

Next meeting in May 2023

Participants were representing:

Belgium, Finland, France, Italy, Netherlands, Norway, Portugal, Spain and Sweden

Reminder of the objectives:

- ⇒ Foster deeper interactions with Member and Contributing States (MS) in the marine domain.
- ⇒ Contribute to a better integration of the Copernicus Marine Service with MS expectations and assets.
- ⇒ Co-design and implement actions with MS in the coastal marine areas.



24 - 25 Jan (& 15 Feb)	Copernicus Marine Data for the North-West Shelf Seas
27 - 28 Feb (& 22 March)	Copernicus Marine Data for the Iberia-Biscay Ireland region
19-20 April	Assessing Ecosystem health
10-11 May	Marine Data 4 Africa
24-May	Marine Data for Sustainable Ocean Policies
20-Jun	Ocean Literacy for Journalists
14 -15 November	Marine Data 4 Asia

May evolve according to the topics related to the transition to the MDS





14 - 15 Feb (& 8 March)	WEKEO for Universities
14 - 15 March (& 5 April)	WEKEO workshop
12 - 13 September	WEKEO for Data Scientists
3 - 4 October	Using Copernicus Sentinel data to support Environmental Studies
5-6 December	WEKEO applications in Urban Planning



Monitoring Ocean Variables Workshop by GMES&Africa | 14-16 Feb

- Jointly organised with University of Ghana and EUMETSAT
- 3 days online workshop

Ocean Innovation Africa Summit by Ocean Hub Africa | 20-24 Feb

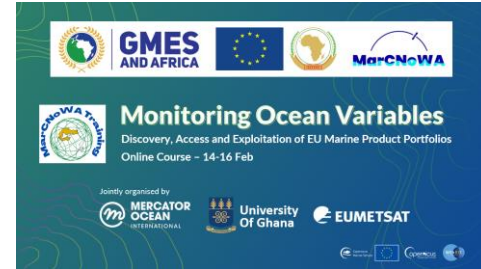
- MOI has signed a MOU with OHA
- Stand (EUOceanObs/CMEMS/MOI) and participation to workshops

Master 2 – SOAC – Ocean & Application | 13-17 Mar

- 1 week of hybrid course on Ocean & Application (Copernicus, CMEMS, MOI, WEKEO...)
- led by OMP/Legos

Other projects/collaborations to come

- Contact with SOA – Sustainable Ocean Alliance and 1000 Ocean Statups
- Conference at CY (Cergy University) and iXBlue Campus
- Ocean Prediction Capacity Dev...



OPEN SEA LAB 3.0 by EMODnet | 27/28 March

- More than 10 people involved from MOI and the user support as coaches or mentors
- Copernicus Marine Service portfolio presented as complementary

1st WEKEO HACKATHON by Mercator Ocean | End of June (TBD)

- KO Meeting planned for mid-Feb
- Topic areas (related to Thematic Hubs): Coastal, Arctic, Health, Energy

CMEMS 3D CHALLENGE by Mercator Ocean | Q3/Q4

- Idea: Invite students/pro from Art/Science/Graphic Design to create **innovative animations/maps/illustrations to tackle proposed challenges.**

OCEAN HACKATHON by Campus of the Sea | Q4

- MOI Sponsor, CMEMS data provider



- **Explainers:** Pushing uptake providing different look and formats. Published in Events and Phenomena Marine Heatwaves. Have 3 sections in draft – to be published in 2023
- **Ocean Climate Portal** – In draft
 - Contracts relaunched in mid-Januray
- **Translation to EU languages,** automation and planning of implementation
 - Contract not yet launched

