

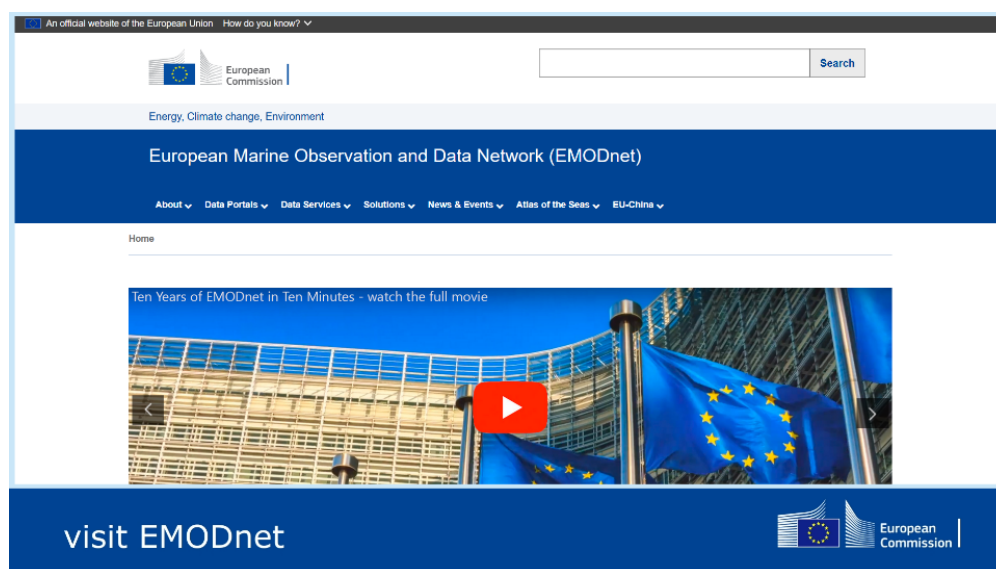


EMODnet
European Marine
Observation and
Data Network

**News
Digest**

JULY 2021

EMODnet Central Portal migrates to the 'Europa.eu' domain



The EMODnet Central Portal - EU's gateway to *in situ* marine data in Europe and beyond - has moved to a European Commission (Europa) web address: emodnet.ec.europa.eu since 19 July 2021. This repatriation under a 'europa.eu' subdomain is an important milestone and reflects the long-term commitment of the European Commission Directorate-General for Maritime Affairs and Fisheries (DG MARE) to EMODnet as a trustworthy and reliable operational service.

"The work of EMODnet is at the heart of DG MARE activities and it is amongst our highest priorities to ensure its continuity sustainability and development." DG MARE's Director-General Charlina Vitcheva stated during her closing keynote to the recent EMODnet Open Conference (14-16 June 2021, Oostende, Belgium).

The Europa repatriation is the first step towards single point access for all EMODnet data, another crucial milestone to support the Commission's green and digital transitions and all blue economy sectors. The new look and feel brings the EMODnet Central Portal fully in line with the EC online visual identity shared with other EC branded harmonised websites. While the appearance has changed, the content and features remain the same: users can still navigate from the Central Portal homepage to all of EMODnet's thematic data, data products, data ingestion and services as well as explore a wealth of information on [EMODnet Partnerships](#) and the many past, present and future EMODnet activities, including the [EMODnet Open Conference 2021](#) and [virtual exhibition](#).

EMODnet: supporting the offshore renewable energy sector



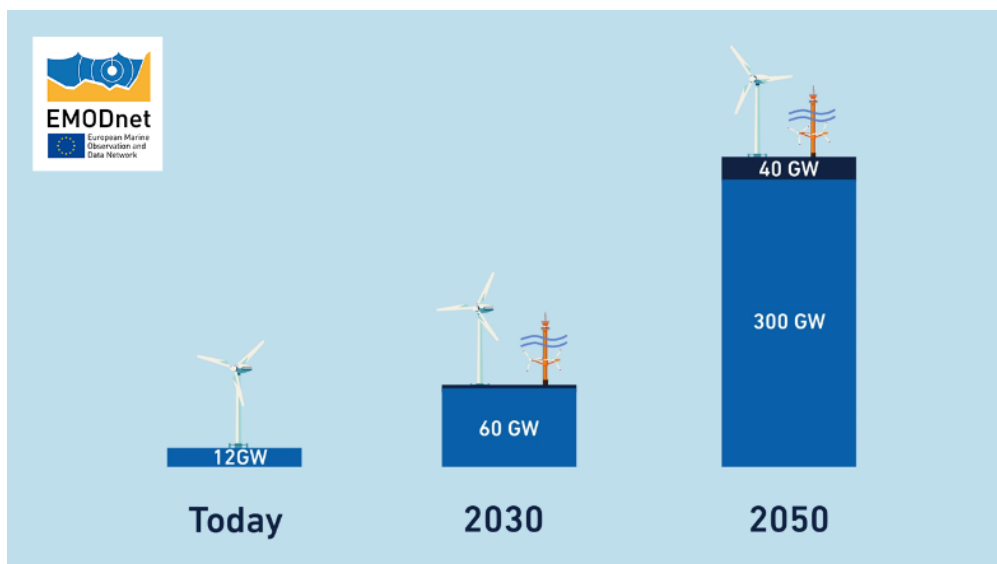
The ocean and seas around Europe offer an enormous potential source of renewable energy and will play a major role in achieving the EU's ambitious climate goals. This scale-up of ocean energy must protect biodiversity and consider other users of the sea. EU Member States will have to cooperate across borders in their planning and deployment.

To do this they need information about the state, capacity and human use of our ocean resources. But where can offshore energy companies and renewable energy developers find the data they need?

In its latest user community video, EMODnet puts the spotlight on the offshore renewable energy sector, with blue economy operators and users explaining how EMODnet marine data and data products are used to support the marine offshore renewable energy sector.

[Watch the full video](#)

The release of the EMODnet for Offshore Energy film coincides with the European Commission presenting the European Green Deal proposals to reach Europe's 2030 climate targets.



EMODnet Thematics Updates

Your data, Work It!
Watch the new video from EMODnet Data Ingestion



Over the past three years, [EMODnet's Data Ingestion Portal](#) has published over 700 new datasets from over 130 data submitters. Data ingestion has never been easier! But what becomes of this data? A new video from EMODnet Data Ingestion explains how data from hundreds of diverse data collectors and producers is turned into high end data for science, engineering and policy making.

[Watch the video & Discover EMODnet Data Ingestion!](#)

EMODnet Chemistry reaches one million datasets



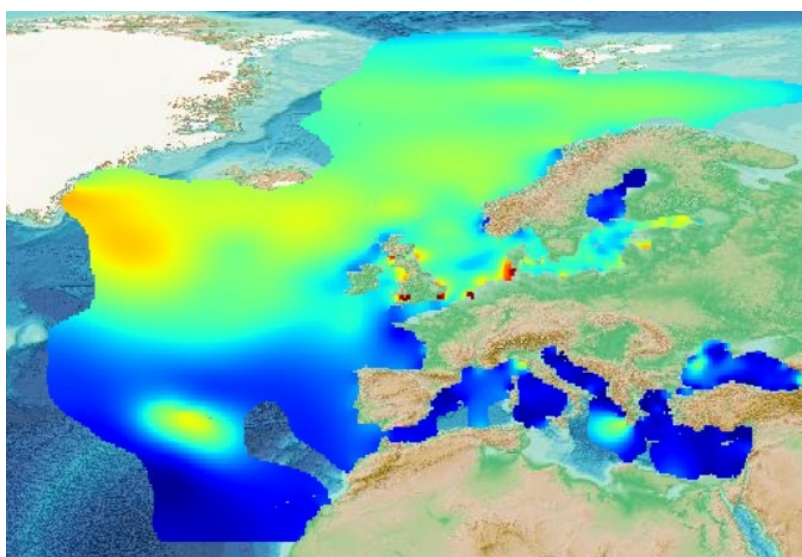
Credit : EMODnet Chemistry

EMODnet Chemistry has launched a new video explaining the diversity of marine chemistry parameters, ways to access and how to use EMODnet Chemistry's extensive data and data product portfolio which includes over 1 million chemistry datasets, starting from the 1970's until now. More than 500 organizations surrounding the European seas and 65 inter-connected National Oceanographic Data centers are engaged in storing, documenting and validating the EMODnet Chemistry data. These impressive numbers highlight a decade of progress and explain why EMODnet Chemistry is considered a highly valued *in situ* marine chemistry data brokers in Europe, providing key data for science, industry and policy, including key parameters for assessing Good Environmental Status for the Marine Strategy Framework Directive.

Watch the video & Discover the EMODnet Chemistry portfolio!

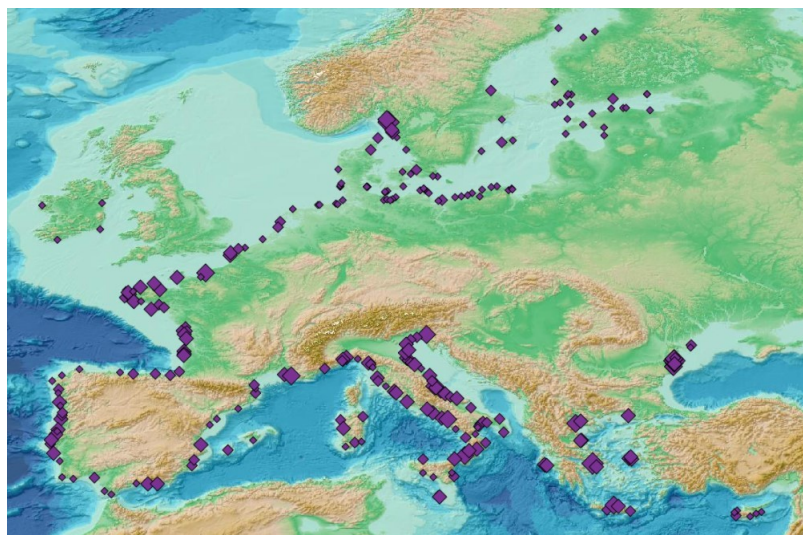
EMODnet Chemistry, new maps!

On the EMODnet Chemistry [Map viewer](#) the latest [data products](#) for eutrophication and marine litter are easily findable and accessible. The new gridded climatologies, (spatially interpolated maps produced through Data Interpolating Variational Analysis), display the depth variability over time of Dissolved inorganic nitrogen (DIN), Phosphate, Silicate, Chlorophyll - a, and Dissolved oxygen concentration. All maps can be customized selecting both depth and time ranges and an animation of the evolution over time of the parameters is also available.



Example of **All European seas** monthly climatology (Phosphate concentration)

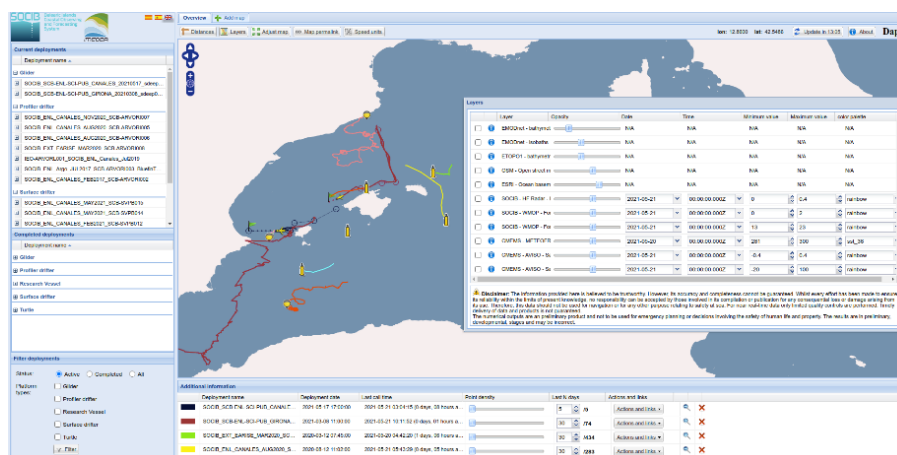
The beach litter and seafloor litter maps have also been updated and published on the Map viewer. In addition, the new visualization named “[Beach litter - median total number of litter items per 100m & to 1 survey](#)” was elaborated (see figure below). For all data products the metadata records can be visualized on the product [Catalogue service](#) and the up to date methodologies are published on the [Guidelines](#) section of the EMODnet Chemistry Portal.



Beach litter new map: median total number of litter items per 100m & to 1 survey

New joint EMODnet – Copernicus Marine Service use cases

SOCIB Deployment Application (Dapp) multiplatform viewer enriched with Copernicus Marine and EMODnet data layers



Credit : SOCIB

In June 2021, EMODnet and Copernicus launched a joint communication campaign on use cases that utilise both EMODnet and [Copernicus Marine Service](#) data and data products.

In this News Digest we highlight the use case submitted by an EMODnet Associated Partner, [SOCIB](#) (the Balearic Islands Coastal Observing and Forecasting System), an organisation that represents a multi-platform distributed and integrated marine research infrastructure that provides streams of oceanographic data and modelling services. SOCIB has a long standing [partnership](#) with EMODnet and this collaboration has been key for improving data access both for SOCIB and the wider EMODnet community.

SOCIB developed the [SOCIB Deployment Application \(Dapp\)](#), a java web-based application that enables quick access in real time to tracks, data and plots of SOCIB ocean observing platforms (e.g. ARGO profilers, surface drifters, gliders, research vessels, tagged turtles). At SOCIB, scientists and operational teams use Dapp to, for example, establish the background of the ocean circulation or sea surface temperature in a specific region, superposing the location of the different multiple platforms deployed by SOCIB (drifters, profilers, gliders, vessel, turtles etc) on display thanks to Copernicus Marine service and EMODnet, by overlapping the track of those with data layers of sea surface temperature, sea level, geostrophic currents, sea level, chlorophyll-a concentration and bathymetry. This information helps to anticipate risks and opportunities and accordingly reconfigure existing deployments in quasi real time (modifying sampling intervals, parking depths, navigation waypoints, etc.).

Curious about the combination of data and data products used to develop this application? [Read the full use case!](#)

Recent events

SULITEST SDG 14

On 9 July 2021, EMODnet's Head of Secretariat Jan-Bart Calewaert presented at the event "We Are All Ocean Citizens", a side-event of the high-level political forum on sustainable development. The event launched the Sulitest SDG 14 module in partnership with UN Department of Economic and Social Affairs (DESA) and Mercator Ocean International. Sulitest is an initiative to improve sustainability literacy worldwide by providing internationally recognized engagement tools for universities and enterprises. The Sulitest SDG14 module is highly valuable Ocean Literacy tool which can be deployed in activities in Europe and beyond.

Re-watch the recording here: <https://www.youtube.com/watch?v=rpT84ZM5gA4>.
Find out more about the [Sulitest SDG14 module](#) and take the test!

Ocean4Biotech



On 10 July 2021, EMODnet's Deputy Head of Secretariat Kate Larkin and EC DG MARE's Zoi Konstantinou presented opening speeches at the Ocean4Biotech Hackathon, an initiative of Cost Action CA18238 that brings together a transdisciplinary network for

establishing a marine biotechnology community. Opening speeches included the importance of marine data for the blue bioeconomy and marine biotechnology, and opportunities for transdisciplinary cooperation between the marine and wider environmental, medical and ICT fields towards next generation open source data and data products by and for the marine biotechnology pipeline. You can follow the project on twitter [@Ocean4Biotech](#).

Save-the-dates for upcoming events:

BlueMed workshop: Unlocking the potential of Ports and Harbours in preventing and reducing the effects of Marine Litter

When: 14 September 2021

Location: Venice, Italy

The workshop will focus on promising R&I solutions undertaken, as well as the policy instruments implemented, in the management and valorization of plastic litter in Ports/Harbours and their hinterland at Mediterranean level. At this event, the EMODnet Secretariat will present on the value of open access marine environmental data in support of analysis covering the status, identification and impact of marine litter. The aim of the event is to identify gaps and bottlenecks to be overcome for an effective prevention and mitigation from the impact of marine litter across the whole basin. More information about the event can be found [here](#).



EuroGEO workshop 2021

When: 20 to 23 September 2021

Location: Virtual

The event is organised by the European Commission and the French Ministry of Higher Education, Research and Innovation with the support of MINES ParisTech – PSL University. This edition will focus on the **EO-based solutions to support the European Green Deal** while bringing the European community interested in and actively contributing to the [Group on Earth Observations](#) (GEO) together. **Expressions of interest to contribute can be made through the registration form, at the**

latest by the 9 August 2021.

You can read the latest agenda [here](#), and register for this event [here](#).

Prepared and published by the EMODnet Secretariat



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