



EMODnet



European Marine
Observation and
Data Network

News Digest

JUNE 2021

EMODnet Open Conference, Jamboree and Side Events

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EMODnet Open Conference, Jamboree and side events

Highlights from the EMODnet Open Conference (14-16 June)

The banner features a dark blue background with a stylized ocean scene. On the left, a ship is shown with a sonar wave. Icons for Bathymetry, Human Activities, and Biology are visible. In the center, the EMODnet logo and text 'EMODnet Open Conference 14-16 June 2021' are prominent. Below this, it says 'ONLINE EVENT'. On the right, icons for Physics, Chemistry, and Geology are shown. A quote reads: 'Connecting Open Data, Delivering Marine Knowledge: A Vision for 2030.' At the bottom right, there is a Twitter icon with '#EMODnetConference' and the website 'www.emodnet.eu/en/conference2021'. A small text box on the left says: 'An EMODnet Jamboree, with partner meetings of the 7 thematic areas and data ingestion, upon invitation, will take place on 17-18 June 2021.' The EMODnet logo and 'European Marine Observation and Data Network' are also present at the bottom center.

It's a wrap! From 14 to 16 June 2021, more than **400 participants** from **50 countries** and over **70 speakers and panelists** gathered online for the **3-day European Marine Observation and Data Network (EMODnet) Open Conference** to discuss EMODnet achievements, partnerships and vision for the coming decade. The timing for this event could not have been better, with 2021 as 'super year' for ocean, biodiversity,

ecosystem, environment and climate with the official kick-off of the UN Decade of Ocean Science for Sustainable Development, and the recent 47th G7 Leaders' Summit and related Climate and Environment Ministers meetings and Science and Technology dialogues.



EMODnet has, over the past decade, grown into a respected *in situ* marine data service and network that plays a crucial role in the marine data landscape. Bringing together many EMODnet partners, data providers, users and stakeholders from Europe and beyond, the Conference celebrated existing partnerships, connecting with stakeholders from new and emerging marine and maritime sectors, highlighting the added value of EMODnet for society and looking ahead to co-design EMODnet's next phase. The event was a hybrid format, with a fully online audience, hosted and broadcasted from a studio in Ostend, Belgium and ably moderated by [Paul Rose](#) - **National Geographic Pristine Seas Expedition leader**, Broadcaster and a well-known public figure in the field of environment and exploration.

The EMODnet Open Conference 2021 was hosted by the [EMODnet Partnership](#) and the [European Commission's Directorate General for Maritime Affairs and Fisheries](#), in collaboration with the [Flanders Marine Institute \(VLIZ\)](#).

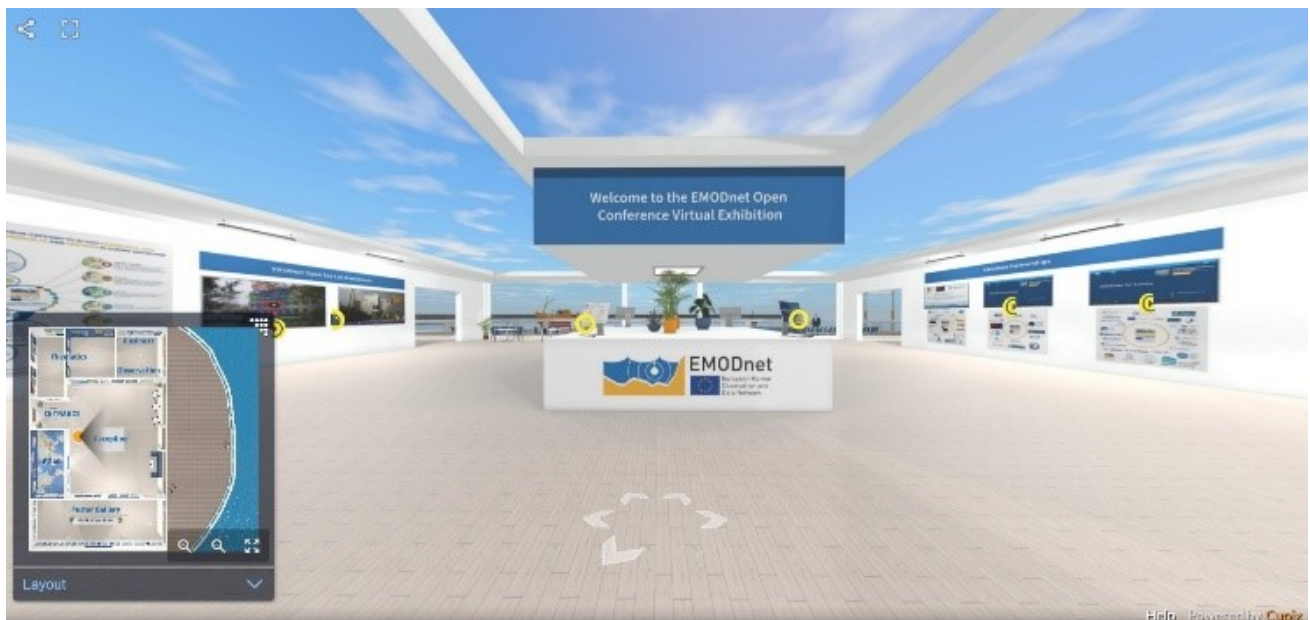
EMODnet would like to thank the full EMODnet partnership including Coordinators, Partners, Associated Partners and wider experts and participants for the excellent presentations, dialogues and feedback over 6 sessions, [more than 45 presentations and panels](#), breakout group discussions and [>60 community posters and pitches](#).

All **plenary session recordings** are now available at www.emodnetconference2021.eu under the tab "agenda".



Read the full high level summary of the EMODnet Open Conference, with highlights from the 6 sessions and breakout discussions [here](#).

To discover more, dive into EMODnet's Open Conference [virtual exhibition](#) which remains open to all until **October 2021**. The exhibition includes the latest in **EMODnet developments** across seven thematics and EMODnet Data Ingestion, key partnerships at European and Global level, EMODnet for Business and EMODnet's connection to ocean observing, marine monitoring and wider data collection efforts, including the EMODnet Sea-basin Checkpoints assessing fitness-for-use of marine data in the context of informing ocean observing gaps and requirements. The exhibition also has a room dedicated to the [European Atlas of the Seas](#), showing the power of data visualisation and maps for wider society including for ocean literacy and education purposes, and a gallery of **>60 community posters presented at the Conference!**



Stay tuned for the **Conference report** and **summary video**!

And if you were not able to join the Conference, you can still have your say in co-designing EMODnet's future activities, data and services by completing the [online user survey](#) before the final deadline of **Friday 9 July**.

Highlights from the EMODnet Jamboree (16-18 June 2021): Sessions on (i) Ocean Data Best Practices and (ii) Citizen Science

Back-to-back with the EMODnet Open Conference, on 16-18 June, the EMODnet partnership co-organised a number of thematic partnership meetings together with two Jamboree dialogues on cross-cutting topics of interest, namely **Ocean Data Best Practices**, and **Citizen Science**. These workshops were invitation only, attended by the EMODnet partnership and invited external experts.

(i) Ocean Data Best Practices dialogue

The EMODnet Jamboree cross-thematic dialogue on **“Ocean Data Best Practices”** was held on 16 June afternoon CEST co-organised by the EMODnet partnership, the [International Oceanographic Data and Information Exchange \(IODE\)](#) of the Intergovernmental Oceanographic Commission (IOC) and the [IOC Ocean Best Practices System \(OBPS\)](#) initiative. The meeting brought together key representatives from the EMODnet and wider European marine data community, and global experts to assess current status of EMODnet's contribution to Ocean Best Practices, including presentations on OBPS, testimonials of the value of existing EMODnet community practices, as well as experiences from the perspective of a National Oceanographic Data Centre (NODC) and discussions to identify further opportunities for strengthened collaboration between EMODnet and the IOC OBPS initiative. Going forward, EMODnet

will expand its sharing of European community best practices with the OBPS initiative, increase the dialogue with the global community, and will work with OBPS to further improve best practices across the marine knowledge value chain, to strengthen linkages between data points and underlying standards and practices documentation - from data capture to data management, synthesis and sharing. Presentations, key messages and recommendations will be soon made available on the EC Maritime Forum.

Session co-facilitators



EMODnet Jamboree
16-18 June 2021

Online event



Frank Muller-Karger
OBPS Team



Johannes Karstensen
OBPS Team



Pauline Simpson
OBPS Team



Jay Pearlman
OBPS Team



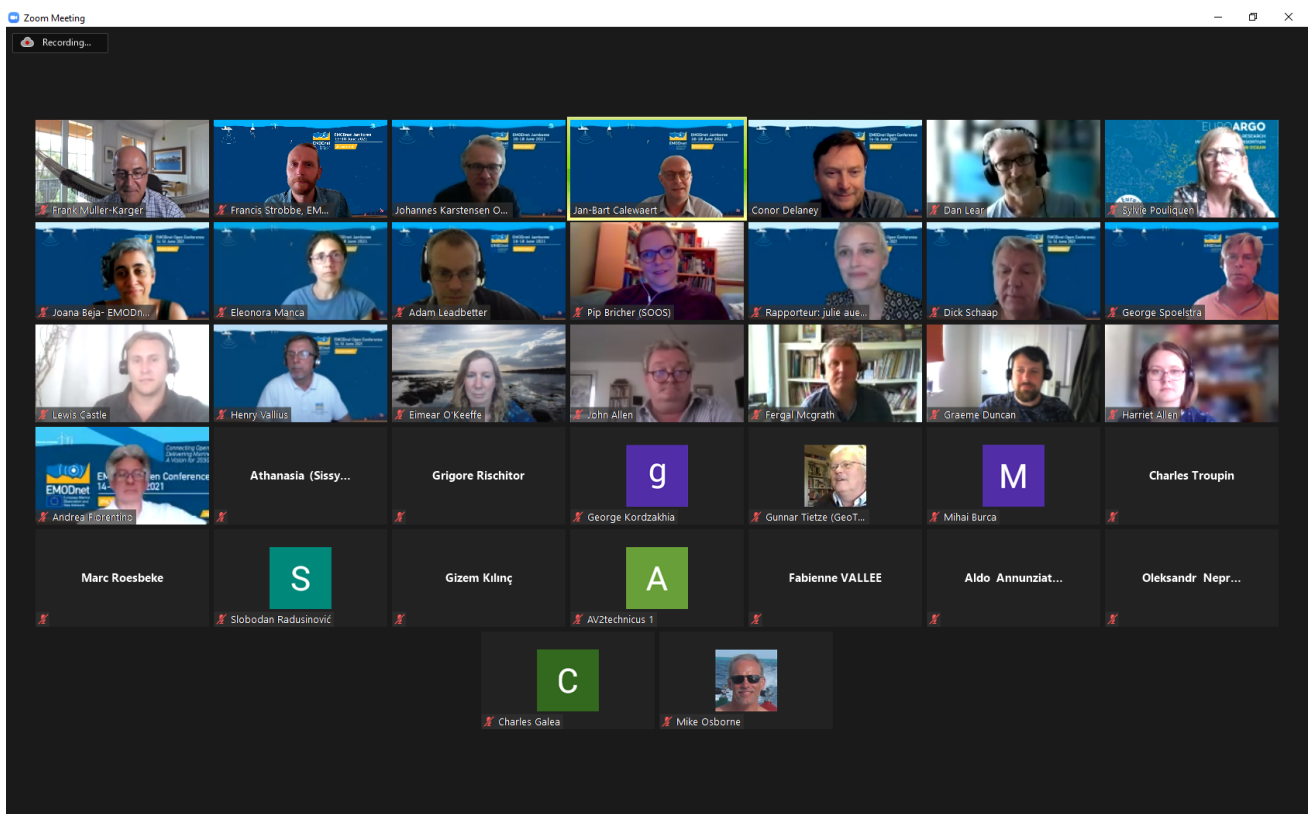
Jan-Bart Calewaert
EMODnet Secretariat



Conor Delaney
EMODnet Secretariat



Francis Strobbe
EMODnet Secretariat



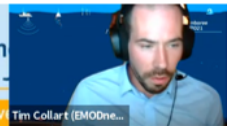
(ii) Taking the EMODnet dialogue on Citizen Science forward

On 18 June 2021, the EMODnet partnership organised the EMODnet Jamboree cross-thematic dialogue on **Citizen Science**, bringing together EMODnet experts and the wider community spanning research, NGOs and representatives of the blue economy (including SMEs) from across Europe. Co-chaired by Antonio Novellino (ETT, [EMODnet Physics](#)), Jaume Piera (CSIC, [Cos4Cloud](#)), Jun She (DMI, [EMODnet Baltic Sea-basin Checkpoint Coordinator](#)) and Patrick Gorringer (SMHI, [EMODnet Physics](#)), the session reflected on how EMODnet is currently cooperating with citizen science initiatives e.g., through EMODnet Physics and EMODnet Chemistry, and how this could evolve in the future. Presentations from the wider community showed that citizen science initiatives have multiplied in Europe in the past decade, providing a wealth of examples confirming the value of citizen science across different environmental domains. However, some important challenges remain to seize the full potential of citizen science across the marine knowledge value chain. Recommendations were made on next steps that can be undertaken by EMODnet. Presentations, key messages and recommendations will be soon made available on the EC Maritime Forum.

Session co-chairs



EMODnet
16-18
Online event



Antonio Novellino
ETT
EMODnet Physics



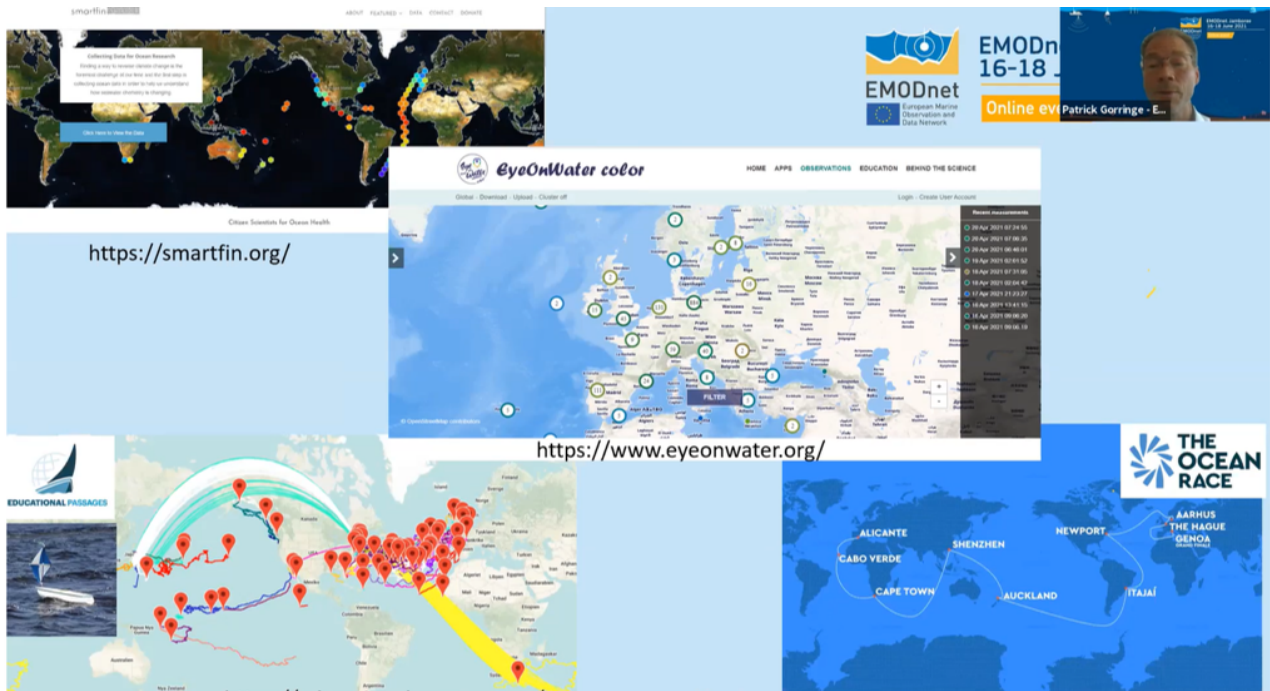
Jaume Piera
CSIC
Cos4Cloud



Jun She
DMI
EMODnet Baltic
Sea-basin Checkpoint



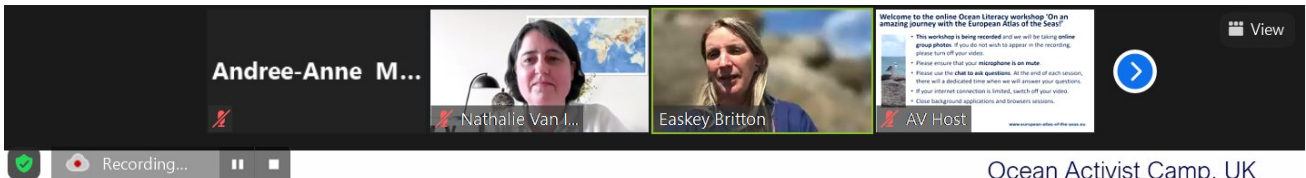
Patrick Gorringer
SMHI
EMODnet Physics



European Atlas of the Seas Workshop (16 June 2021)



On 16 June 2021, the EMODnet Secretariat organized an online **European Atlas of the Seas workshop** which brought together the Atlas technical and communication teams, representatives from the European Commission Directorate General for Maritime Affairs and Fisheries (**DG MARE**), the Atlas partners **Nausicaá** and **Escola Azul**, data providers, members of the **EU4Ocean Coalition** - including two **Young Ocean Advocates** and a representative of the **Network of European Blue Schools** - scientists, ocean advocates, teachers and professionals in the blue economy. The workshop provided the participants with the opportunity to learn about ocean literacy and the many different aspects of the Atlas, from the story behind map layers to how the Atlas can be used in education. A key question that was addressed during the workshop is how we are all connected to the ocean and seas. Presentations from the workshop are available on the [webpage dedicated to the workshop](#).



CREATING A CULTURE OF CARE...

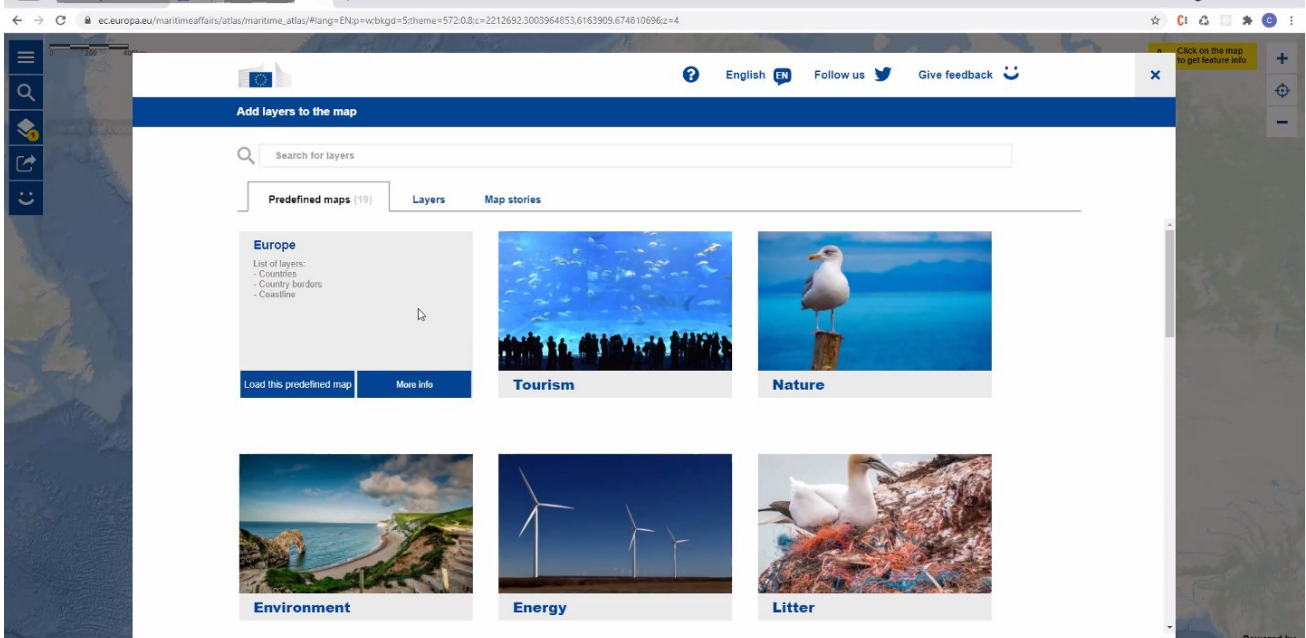
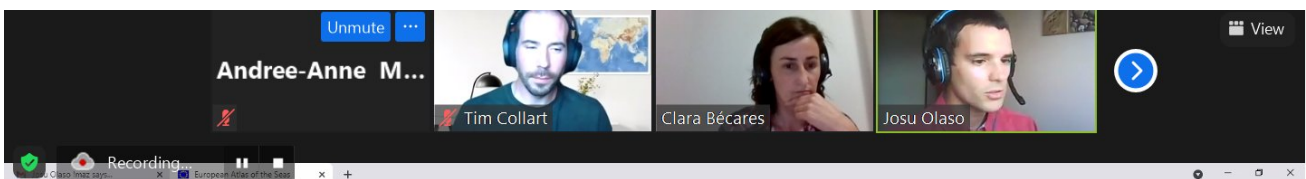
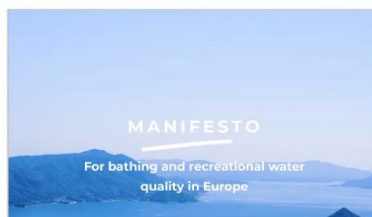
Tenaka, CSR for Oceans...



Citizen science x Marine tourism, Europe



'Healthy Waters' Manifesto



EC Ocean Observing Side Event (18 June 2021)

On 18 June 2021 afternoon CEST, the European Commission Directorate-General for Maritime Affairs and Fisheries (DG MARE), unit A1 Maritime Innovation, Marine

Knowledge and Investment, organised an EC Ocean Observation event, co-organised with EMODnet, [European Marine Board \(EMB\)](#), [EuroGOOS](#) and [Copernicus Marine Service \(CMEMS\)](#) communities.



The event – Chaired by the EC DG MARE – took place in the framework of the [EC Ocean Observation – sharing responsibility](#) initiative, focusing on two specific topics: (i) **Ocean Observing technology**: optimising European capability and; (ii) **Ocean Observing gaps and requirements**.

The event brought together >95 invited experts from the wider European and International community, including representatives from the diverse European marine data collection, ocean observation and marine monitoring landscape, marine research infrastructures, marine technology experts including from marine and maritime industry, national experts, regional networks (e.g. Regional Sea Conventions), policy makers (e.g. EC, European Investment Bank), International (e.g. GOOS and NOAA), and many more.

The event included showcase presentations, a plenary panel dialogue and breakout discussions including facilitators and rapporteurs from EMODnet, EMB, EuroGOOS, CMEMS, and Research Infrastructures EMBRC-ERIC, EMSO-ERIC and LifeWatch-ERIC.



For more information and to [view and download the full agenda and community](#)

presentations please visit the EC Maritime Forum. Two graphics with highlights from the discussions are available on the EMODnet Open Conference [virtual exhibition](#), together with more information on the EC initiative, and wider European community efforts in ocean observation, marine monitoring and wider data collection.

A short report with key outputs and recommendations is in preparation for publication in September.

OCEAN OBSERVING GAPS & REQUIREMENTS

CONNECTING AND EVOLVING EUROPEAN EFFORTS



SHOWCASE TALKS

EMODNET SEA-BASIN CHECKPOINTS

Q. Harpham

COPERNICUS MARINE SERVICE

P.Y. Le Traon

ARE MARINE DATA FIT FOR USE?

COORDINATED ASSESSMENT OF MARINE SERVICES SUPPORT

A. Franco

COMS PROJECT RESULTS & CONCLUSION

H. Steen Andersen

alix@cartoonbase.com

PLENARY PANEL

WHAT IS THE CURRENT STATUS OF GAPS & REQUIREMENT?

DIFFERENT TYPES: USE RESTRICTIONS, COVERAGE, INADEQUACY OF DATA

ADAPT TO SEVERAL PURPOSES

ACTIONS!

NO MORE WORDS... WE NEED STANDARDS

WE HAVE TO LINK WITH ECONOMISTS

WHAT ARE THE RECOMMENDATIONS?

BETTER CONNECTION WITH FINAL USERS

USERS ARE KEY

WHAT'S NEXT?

COOPERATE BETTER WITH PRIVATE SECTOR

ANALYSING DEMAND

META-DATA IS ABSOLUTELY ESSENTIAL

MAKE DATA AVAILABLE

I. Lips

N. Pinardi

E. Alvarez-Fanjul



OCEAN OBSERVING TECHNOLOGY

OPTIMISING EUROPEAN CAPABILITY



SHOWCASE TALKS

STAKEHOLDERS CONSULTATION

S. Van den Burg

OUTCOMES OF EOOS TECH FORUM

L. Delauney

US OCEAN ENTERPRISE STUDY

R. Rayner

SENSOR DEVELOPMENT IN EC FUNDED PROJECTS

D. Connelly

MOCCA PROJECT X ARGO PROGRAM

R. Cancoët

INNOVATIVE TECHNOLOGY FOR OCEAN OBSERVING

P. Fietzek

PERSPECTIVE FROM AN SME

A. Laidre

[ALIX@CARTOONBASE.COM](mailto:alix@cartoonbase.com)

BREAKOUT 1

LINK UP WITH GREEN DEAL

NEED FOR A GLOBAL PLATFORM & AUTONOMOUS

ACCESS TO INFO IN A CLOUD

LACK OF AN OPERATIONAL PROGRAM

PROMOTE DATA INTEGRATION

SHARE DATA

NEED FOR IMPLEMENTATION

ACT AS AN ENTERPRISE

CHANGE THE MINDSET

BREAKOUT 2

NEED FOR COORDINATION

SUSTAINABLE INVESTMENTS

NEED TO BE SCALABLE

BREAKOUT 3

CROSS BORDERS!

LOWER THE COST OF TECHNOLOGIES

CHEAPER TO BUY

NEED FOR LONG-TERM PERSPECTIVES

MONITORING AGENCIES

TRANSPARENT FRAMEWORK

BREAKOUT 4

ENGAGE PRIVATE SECTOR

PROMOTE SUSTAINABLE COMPANIES

DATA EASY TO SHARE

VOLATILITY OF FUNDING

INVOLVE INDUSTRY MORE!

SIMPLIFIED PROCEDURES



EMODnet & Copernicus Marine Service jointly develop a Data Catalogue in support of the Marine Strategy Framework Directive



MSFD D1, D2, D3, D5, D6, D7, D8, D9, D10, D11

On 9 June 2021 EMODnet and [Copernicus Marine Service](#) released a **joint marine data and data product catalogue** for the Baltic Sea aimed to support European Member States with the implementation of the Marine Strategy Framework Directive (MSFD). The catalogue includes **132 data products** for all the [MSFD descriptors](#) (except Descriptor 4, Food Web Structure) and **covers 57 of the most relevant variables** considered to assess the environmental status and formulate preventive measures in the Baltic Sea. This catalogue will soon be enlarged to all European Seas.

EMODnet Biology, Chemistry, Physics, Human Activities and Seabed Habitats contributed to the catalogue, providing a wide range of information on many themes such as physical and chemical

characterization of sea water masses, enrichment of nutrients, contamination, marine litter, MSFD broad habitat types, plankton abundance, distribution of human installations, etc.

The complementarity of the Copernicus Marine Service and EMODnet portfolios has been the cornerstone to achieve this challenging objective.

The joint catalogue was presented by EMODnet Chemistry Coordinator Alessandra Giorgetti at the EMODnet Open Conference on Tuesday 15 June 2021, in Session 3 EMODnet Partnerships (Europe) following a keynote presentation by the Copernicus Marine Service and an [EMODnet-CMEMS dialogue](#) with key representatives from the two long-term EU marine data services.

A Joint Portfolio for the Marine Strategy Framework Directive



EMODnet Open Conference
14-16 June 2021

Online event

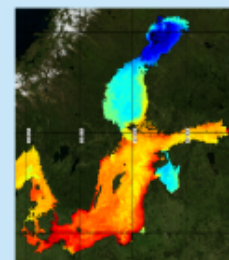
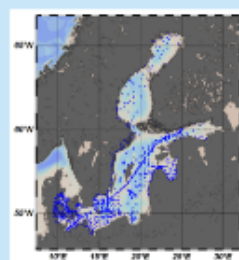
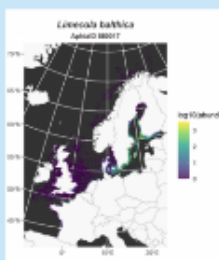


Gathering EMODnet & Copernicus marine data products in the Baltic sea (released 9 June 2021)

Achieved thanks to fruitful collaboration between EC DG Defis, CMEMS, EC DG MARE, EMODnet

Next: **test the fit** – for - MSFD purpose

enlarge to all European Seas



The catalogue will be further discussed with the European Environment Agency MSFD Technical Groups to test the fitness-for-purpose of this joint activity, which represents the first step towards an enlarged catalogue covering all European Seas.

Recent events and wider initiatives

Towards an All-Atlantic data space for the Ocean

On 3 June 2021, EMODnet Secretariat Technical Coordinator, Conor Delaney, and Deputy Head Kate Larkin spoke at workshop “Towards an All-Atlantic data space for the Ocean” as a side-event to the All-Atlantic 2021 - All-Atlantic R&I for a Sustainable Ocean: Ministerial High-Level and Stakeholders Conference which took place under the Portuguese Presidency of the Council of the European Union, in close cooperation with the European Commission, from 2 to 4 June 2021, in Ponta Delgada, Portugal, aiming to strengthen R&I cooperation across and along the Atlantic Ocean, from “pole to pole”. The side event was co-organised by the All-Atlantic Ocean Research Alliance (AANChOR), the G7 Future of the Seas and Oceans Initiative, H2020 Blue-Cloud, H2020 iAtlantic and H2020 AtlantECO. EMODnet joined the Copernicus Marine Service and other regional marine data services and wider pan-Atlantic experts in discussions on marine data interoperability, simplifying the user experience, further expanding and diversifying marine data sources e.g., from industry and citizen science, and the need to focus on people and partnerships in terms of both marine data services development and also in human capacity development.



NOW OPEN! H2020 Blue-Cloud project strategic Roadmap to 2030 consultation: Help shape future developments in web-based open science

The [H2020 Blue-Cloud Roadmap to 2030 public consultation](#) was launched on 28 June 2021. The consultation remains open until 20 September 2021 and builds upon the initial phase of stakeholder dialogue in 2020, to inform strategic policy recommendations for the future evolution of Blue-Cloud into the decade. EMODnet distributed infrastructure is a key marine data service contributing open, free and interoperable marine data and data products – with standardised metadata – for the Blue-Cloud data discovery and access service, working together with the Copernicus Marine Service, SeaDataNet/SeaDataCloud, Marine Research Infrastructures and others towards marine knowledge for all.



Prepared and published by the EMODnet Secretariat



