14th EMODnet Steering Committee Meeting
Open Session with EMODnet TWG and EC MKEG
Spring 2021
19 April

14th EMODnet Steering Committee meeting
19 April 2021, Remote

09:30-10:30: Closed session (for SC only)
10:30-12:30: Joint session with EMODnet SC, TWG and MKEG
14:00-16:30: Closed session (for SC only)

09:30: EMODnet SC (Closed session for SC only)

1. Welcome & introduction (Iain Shepherd, Jan-Bart Calewaert) – 5'

- Welcome, practical arrangements and guidelines for remote meetings

- Adoption of the Meeting Agenda

2. Updates from DG MARE (Iain Shepherd / Zoi Konstantinou) – 10'

3. General updates from the Secretariat (EMODnet Secretariat) – 20'

- Impact of COVID19 on EMODnet operations, developments & continuity of service

- List of actions from previous meetings

- Key updates on work plan and partnerships

- Forward look: EMODnet activities, events and calendar 2021

4. Centralization process (EMODnet Secretariat, VLIZ, with ALL thematic lots)

SHORT COMFORT BREAK – RECONVENE FOR OPEN SESSION AT 10:30

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19 April 2021, Remote

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10:30-12:30: Joint session with EMODnet SC, TWG and MKEG

14:00-16:30: Closed session (for SC only)

10:30: EMODnet SC Joint Session : *open for Members of the EMODnet Technical Working Group (E-TWG) and the EC Marine Knowledge Expert Group (MKEG)*

5. Welcome and Updates (EMODnet Secretariat and DG MARE) (15')

- Welcome new participants and introduction to the meeting agenda

- DGMARE: Current status and perspectives & Marine Knowledge Expert Group updates (EC, DG MARE)

- Updates from the EMODnet Secretariat and VLIZ on the Centralization process

6. Updates from EMODnet 7 Thematics, Data Ingestion and Central Portal – 60' (All Coordinators)

- Key updates and forward look (5' per thematic Coordinator)

- Q&A (15')

COMFORT BREAK – 10' *until 12:00 latest*

14th EMODnet Steering Committee meeting
19 April 2021, Remote

09:30-10:30: Closed session (for SC only)
10:30-12:30: Joint session with EMODnet SC, TWG and MKEG (continued)
14:00-16:30: Closed session (for SC only)

7. External partnerships and interactions (30')

- European partnerships: Copernicus Marine Service & Other

- European Ocean Observing: Update on EC Consultation and future developments

- EMODnet for Blue Economy and Policy

- Global partnerships: EMOD-PACE, IODE, GEOSS & GEO-Blue Planet, UN Ocean Decade

8. Closing remarks and Any Other Business (AOB) (5')

12:30 Open Session Closes

21 April AM: Marine Knowledge Expert Group closed meeting (with EC, DG MARE and EMODnet Secretariat)

EMODnet Centralisation

Future Outlook: What's next for EMODnet?
Continued evolution of EMODnet, to deliver a fit-for-purpose user-driven service
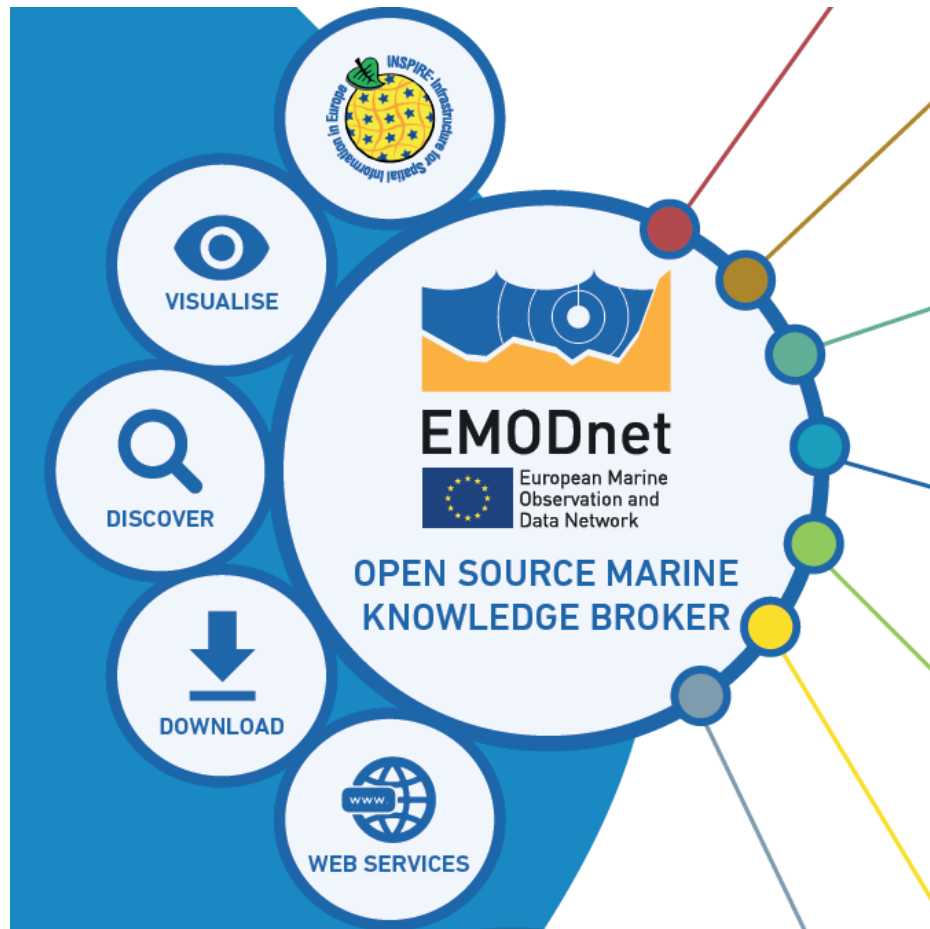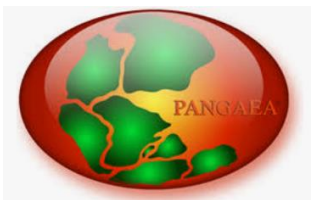

- **Build on existing capability,** as a long-term European trusted data service;

- **Consolidation, centralisation and Interoperability**;

- **User-driven** with clear, user-friendly interfaces.

EMODnet External partnerships and interactions

Implemented by

Copernicus Marine Service

MERCATOR OCEAN INTERNATIONAL

SeaDataNet

EuroGOOS
European Global Ocean Observing System

EurOBIS
European Ocean Biodiversity Information System

European Environment Agency

4 Regional Sea Conventions
OSPAR
HELCOM
UNEP-MAP
Black Sea Convention

European MSP Platform

PANGAEA

ENVRI FAIR

ICES CIEM

atlas
UNDERSTANDING DEEP ATLANTIC ECOSYSTEMS

EuroSea

EOSC

Blue-Cloud
Piloting innovative services for Marine Research & the Blue Economy

iAtlantic
INTEGRATED ASSESSMENT OF ATLANTIC MARINE ECOSYSTEMS IN SPACE AND TIME

ODYSSEA

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EMODnet External partnerships and interactions
Copernicus Marine Service: Coordination

- **Coordination meetings : 5th meeting, 9 February 2021** [Next one September 2021 *tbc*]

Minutes and Presentations are available on the EC Maritime Forum:
https://webgate.ec.europa.eu/maritimeforum/en/node/5603

EMODnet External partnerships and interactions
Copernicus Marine Service: EMODnet on website

https://marine.copernicus.eu/about/links-with-emodnet

EMODnet External partnerships and interactions
Copernicus Marine Service: Joint meetings and workshops

- **Copernicus General Assembly, January 2021 :** EMODnet Secretariat on Partnerships Panel

- Joint **co-organization of 2 blue economy workshops "Marine Data for Aquaculture"** in the North Atlantic (October 2020) and Mediterranean Sea and Black Sea (March 2021) and active participation by EMODnet thematic experts

Report from workshop 1 (North Atlantic): https://webgate.ec.europa.eu/maritimeforum/en/node/4476
Report from workshop 2 coming in May 2021

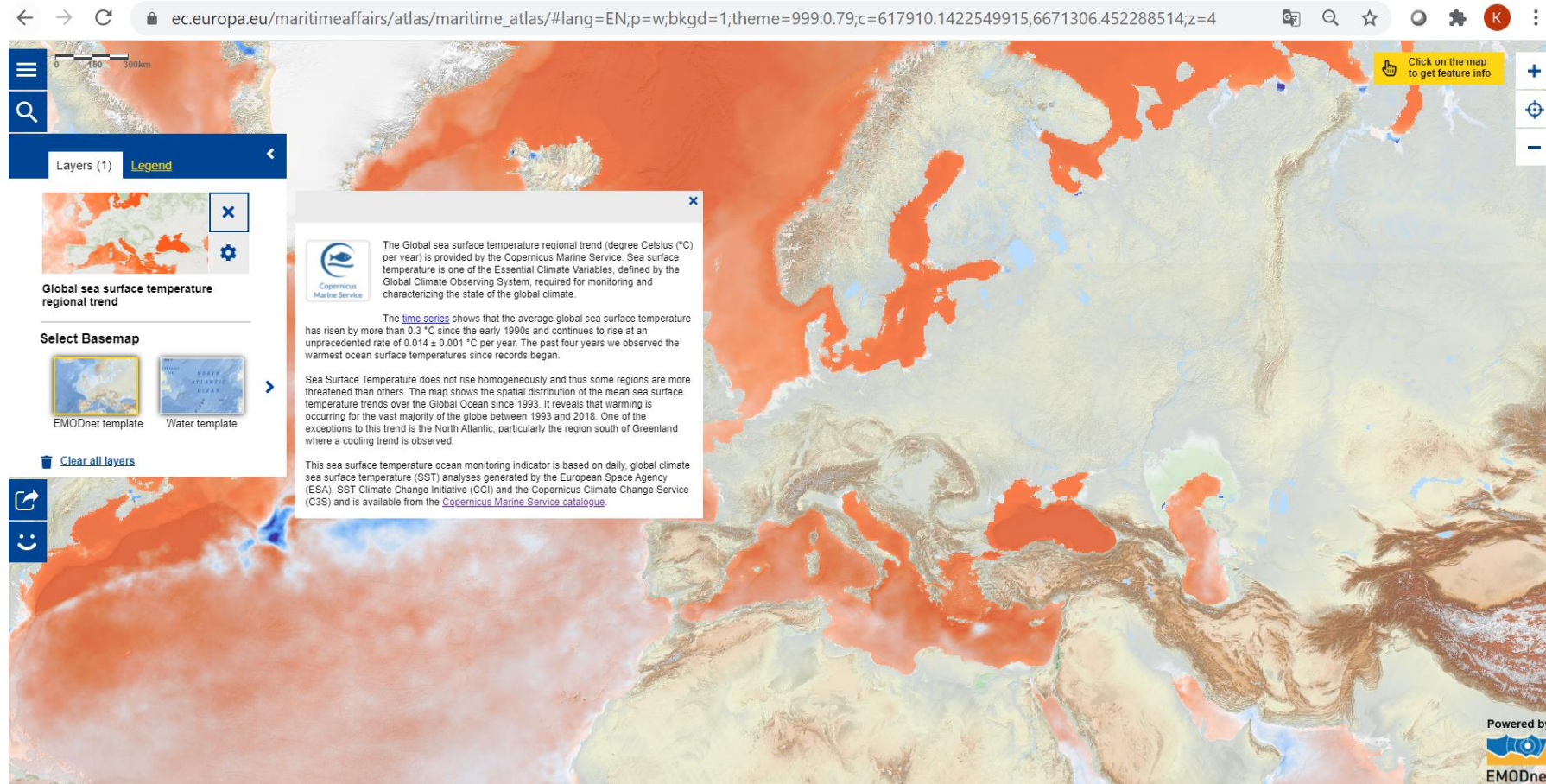# EMODnet External partnerships and interactions
Copernicus Marine Service: Joint catalogues, use cases, open data for European Atlas of the Seas

- Joint catalogue of data and data products for the Marine Strategy Framework Directive (led by EMODnet Chemistry, with all thematics involved) (mature drafting, submitted to EC DG ENV and EEA for review, ongoing)

- Joint catalogue of data and data products for the Marine Spatial Planning Directive (led by EMODnet Human Activities) (in development)

- Regular meetings between Mercator Ocean International and the EMODnet Secretariat to co-create new joint use cases in dialogue with users of satellite and *in situ* marine data e.g. building on Aquaculture workshops) and with GEO Blue Planet

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CMEMS Ocean Monitoring Indicators (OMIs) in the European Atlas of the Seas

- SST trend
  https://ec.europa.eu/maritimeaffairs/atlas/maritime_atlas/#lang=EN;p=w;bkgd=1;theme=999:0.79;c=617910.1422549915,6671306.452288513;z=4

- Also Sea level trend (see link below):
  https://ec.europa.eu/maritimeaffairs/atlas/maritime_atlas/#lang=EN;p=w;bkgd=1;theme=128:0.8;c=617910.1422549915,6661522.512668013;z=4

EMODnet External partnerships and interactions
EMODnet for Global: Strengthening Partnerships for International Interoperability and Impact

- **EMOD-PACE** (see separate PPT)

- **IOC-IODE, UN Ocean Decade**

- **GEOSS and GEO Blue Planet**

- **UN 2030: SDG 14**

- 14.3.1 data portal http://oa.iode.org

- SULITEST SDG14 MODULE - WORKING GROUP by UN DESA, sulitest and MOi (EMODnet Secretariat & EMODnet Chemistry)

Document 8: EMODnet for Global, for discussion

EMODnet
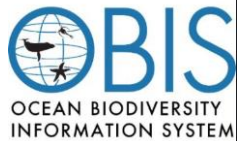European Marine
Observation and
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EMODnet External partnerships and interactions
EMODnet for Global: Strengthening Partnerships for International Interoperability and Impact

- **IOC-IODE, UN Ocean Decade:** Meeting 21 January 2021 with IOC, IODE, EC (DG MARE), EMODnet Secretariat, EMODnet Physics

- **GEO, GEO Blue-Planet:** Meeting 16 December 2020 and April 2021: GEO Secretariat, GEO Blue-Planet, EC (DG MARE), EMODnet Secretariat
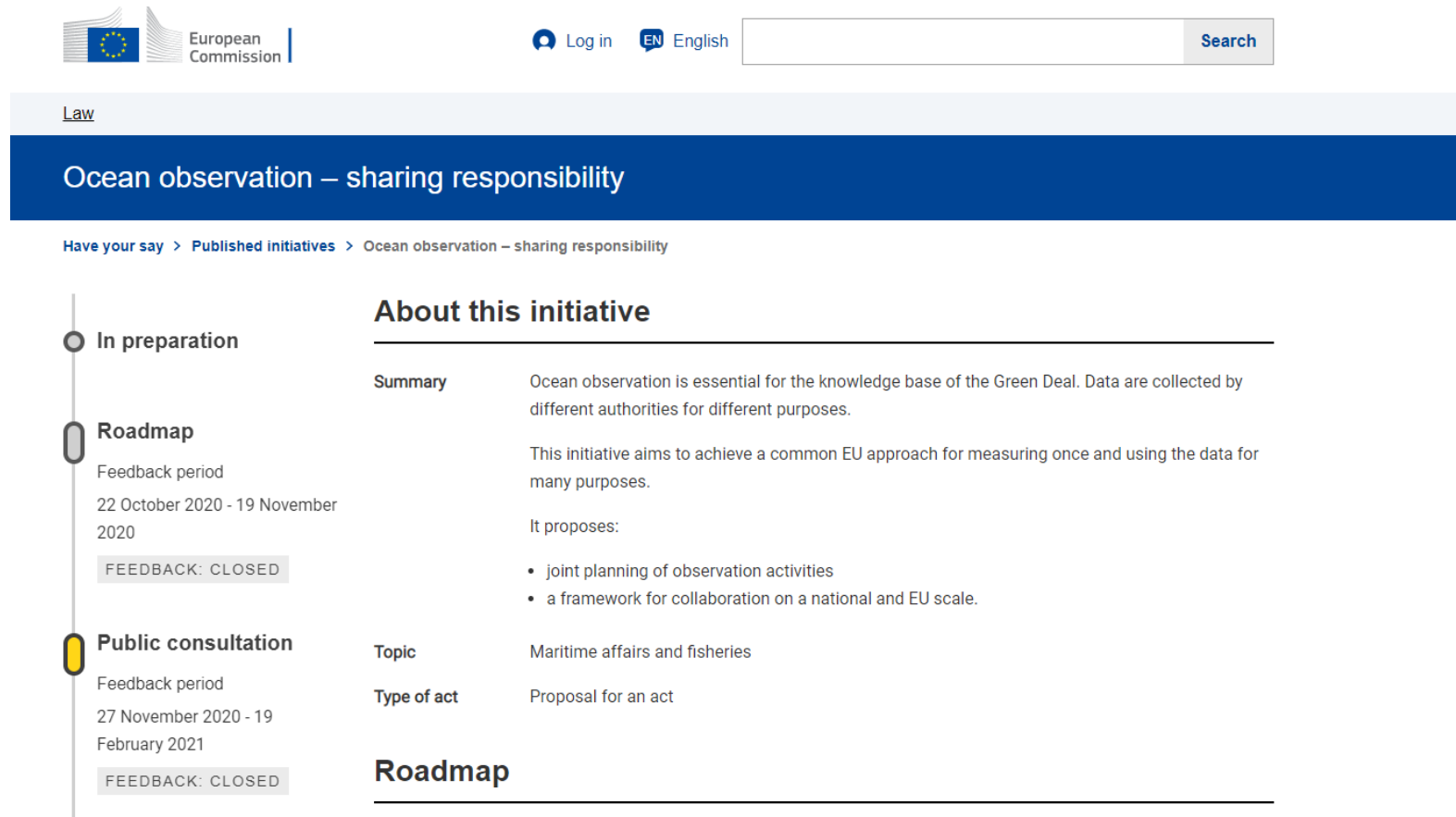
- **EMODnet:** A key partner for Open Data, Open Science and Data diplomacy in Europe, and beyond

- **Interoperable data discovery and access,** in collaboration with other key data services

- **Further diversifying data parameters and sources** (e.g. industry, citizen science)

- **Extending FAIR** to FAIR, CARE and TRUST

EMODnet External partnerships and interactions
European Ocean Observing: EC Consultation

- **EC Consultation and future developments:** EMODnet Secretariat submitted 2 responses a) November 2020 and b) February 2021 and contributed to a Technology study interviews.

https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12539-Ocean-observation-sharing-responsibility

EMODnet External partnerships and interactions
European Ocean Observing: Meetings and events

- **European Parliament event on Ocean Observing, February 2021**

- **European Maritime Day 2021: Workshop 4**

https://european-maritime-day-2021.b2match.io/

EMODnet External partnerships and interactions
European Ocean Observing: Meetings and events

- **EMODnet Open Conference: Session 5**

09:30-11:00

Session 5: Ocean Observing & Data Collection

- **DG MARE: EC Ocean observation: Sharing responsibility, an update** 5' DG MARE, Zoi Konstaninou
- **Nadia Pinardi,** Ocean Observing gaps and requirements: The EMODnet sea-basin Checkpoint methodology 8' (TBC)
- **Patrick Gorringe,** SMHI, Towards national coordination : Sweden 8' (TBC)
- **Giovanna Marino,** ISPRA National marine monitoring for legislative purposes e.g. MSFD 8'

Forward look Panel: Coordinating ocean observing and data flow: connecting the marine knowledge value chain 45'

- ○ **Toste Tanhua,** GEOMAR, EuroSea Coordinator, EC MKEG member (TBC)
- ○ **Inga Lipps,** EuroGOOS
- ○ **Sheila Heymans,** EMB
- ○ **Mathieu Belbeoch,** OceanOPS (TBC)
- ○ **Corinne Lochet,** SHOM (TBC)

Community poster pitch presentations: Ocean Observing and data collection (tbc) 10 pitches, 10'

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EMODnet External partnerships and interactions
European Ocean Observing: Meetings and events

- **EC Ocean Observing event, 18 June 2021 PM , back-to-back with the EMODnet Open Conference**

  Working title: Connecting communities for fit-for-use European Ocean Observing: Technology pathways, Ocean Observing gaps and requirements

  Date and time: 18 June PM (14:00-17:00)

  Aims to identify:

  - How to accelerate deployment of more efficient and effective ocean observation technology

  - Gaps in ocean observation: Methods for gaps and requirements setting

  Co-organisers: EC (DG MARE), EMODnet Secretariat, European Marine Board, in collaboration with CMEMS, EuroGOOS, JPI Oceans and others (tbc)

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EMODnet External partnerships and interactions
European Ocean Observing: EU4OceanObs

About   G7 Future of Seas & Ocean Initiative   GEO Blue Planet   EU 4 Ocean Data   EU Regional Initiatives   News & Events

" Strengthening international ocean governance to enhance the collection, sharing and use of ocean data in response to environmental and societal challenges "

marine.copernicus.eu/about/links-with-emodnet

How do EMODnet and the Copernicus Marine Service work together?

The European Commission is providing data and information products, services and tools in order to monitor our human activities, planet and environment. As far as the ocean is concerned, two Directorates-General of the European Commission, i.e. DG DEFIS and DG MARE, are respectively supporting complementary initiatives: The Copernicus Marine Service and EMODnet that both distribute open access marine data and data products, free of charge. Together with the Copernicus space programme and the Data Collection Framework for fisheries, EMODnet implements the EU's Marine Knowledge 2020 strategy. Such marine data already benefit a wide range of marine data users, including policy makers, scientists, private industry and the public and open up new opportunities for the sustainable blue economy, innovation and growth.

The Copernicus Marine Service and EMODnet are collaborating at coordination and operational levels. In 2016, DG DEFIS (formerly DG GROW) and DG MARE signed a Memorandum of Understanding (MoU) to closely collaborate about their respective marine activities developed under the Copernicus Marine Service and EMODnet. The main aim is to emphasize the complementarity of their respective marine data offers (available under marine.copernicus.eu and emodnet.eu portals resp.) and explore synergies for stronger collaboration the benefit the marine user community. Further MoUs are in place since 2019 also for specific thematic areas, including between the Copernicus Marine Service and EMODnet Chemistry.

EMODnet External partnerships and interactions
EMODnet Open Conference and Jamboree 2021

EMODnet Open Conference and Jamboree 2021

Connecting Open Data, Delivering Marine Knowledge: A Vision for 2030

During this **online event**, EMODnet partners, data providers and users will connect across stakeholder communities and look ahead to help us design and implement EMODnet next phase to 2030 and beyond.

To start the week, the **Open Conference (14-16 June 2021)** will provide a unique opportunity to recognise and further develop existing and emerging partnerships, and to listen to marine data providers and users experiences and appreciation of the value of EMODnet data, data products and services, and what can be done further to optimise the user experience.

An **EMODnet Jamboree** with partners meetings of the 7 thematics and data ingestion, upon invitation, will take place on the 17 and 18 June 2021.

- **Dates**: 14-16 June 2021 (EMODnet Open Conference) / 17-18 June 2021 (EMODnet Jamboree, upon invitation)
- **Format**: Online event
- **Pogramme**: As well as plenary presentations, panels and breakout discussions, participants are invited to submit an abstract for an online poster, to be presented as a 1-minute pitch presentation in plenary sessions.

- 169 pre-registrations
- > 70 speakers/panelists
- Plenary sessions on:
  - EMODnet: A decade of success
  - EMODnet for Users
  - EMODnet contributors
  - EMODnet EU partnerships
  - EMODnet for Global
  - European Ocean Observing and Data Collection
- Breakout topics on EU Green Deal; Global and Digital Era
- 64 posters

https://www.emodnet.eu/en/conference2021

EMODnet External partnerships and interactions
EMODnet for Global: Strengthening Partnerships for International Interoperability and Impact

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EMODnet External partnerships and interactions
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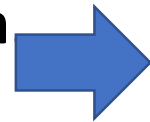- **Extending FAIR** to FAIR, CARE and TRUST

EMODnet External partnerships and interactions
EMODnet for Global

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EMODnet is relevant to all 6 Ocean Decade objectives and challenges:

- A safe **ocean**.
- A sustainable and productive **ocean**
- A transparent and accessible **ocean**
- A clean **ocean**.
- A healthy and resilient **ocean**.
- A predicted **ocean**.

Particularly the cross-cutting theme: a transparent and accessible ocean and challenges requiring the generation of knowledge via EMODnet's wealth of (increasingly centralized) open source, free & FAIR data and data products, via data and web services, driving open science, democratizing access to information and the co-creation of knowledge etc

EMODnet is central to realizing a truly accessible ocean - whereby all nations, stakeholders and citizens have access to ocean data and information, technologies, and have the capacities to inform their decisions.

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# EMODnet External partnerships and interactions
EMODnet for Global

- **IOC-IODE, UN Ocean Decade: Meeting 21 January 2021 with IOC, IODE, EC (DG MARE), EMODnet Secretariat, EMODnet Physics**

  - ODIS: All EMODnet thematic portals/central portal are registered on ODIS catalogue: In future can be maintained, and updated. Additional records coming from the EMOD-PACE project

  - IOC Ocean InfoHub Project (OIH): EMODnet contributing as a European focal point & technical advice to development of ODIS architecture & interoperability with EMODnet

  - IWG-SODIS Intersessional Working Group Strategy on Ocean Data and Information Stewardship for the UN Decade: EMODnet invited as a contributor and expert

  - UN O.D. Actions: COAST PREDICT (Advisor role) Ocean Best Practices (EMODnet referenced), DITTO (Digital Twins, Steering partner)

  - Other contributions in 2020, and potential in 2021:
    - EMODnet & DG MARE participation in Ocean Decade regional workshops in 2020
    - Contribution to International Conference on Data, November 2021 (in dialogue with IODE)
    - Contribution to IODE Ocean Teacher Global Academy (building on existing contributions of EMODnet Secretariat to training workshops in Ostend, Belgium)
    - Article in ECO Magazine Special Issue for the Ocean Decade for Spring 2021

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EMODnet External partnerships and interactions
EMODnet for Global : GEOSS, GEO, GEO Blue Planet & EU4OceanObs

Meetings between EC (DG MARE), EMODnet Secretariat and GEO Secretariat & GEO Blue Planet (December 2020 – April 2021, ongoing)
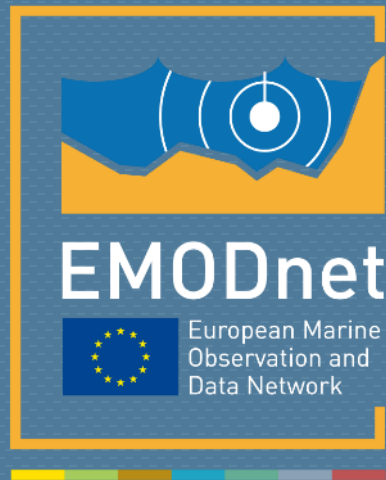
Your gateway to marine data in Europe