

EMODnet Partnerships Global

18th EMODnet Steering Committee
23 May 2023

Jan-Bart Calewaert – EMODnet Secretariat

janbart.calewaert@emodnet.eu

EMOD-PACE (EU-China)

- The 34-month EMOD-PACE and CEMDnet projects ended on 31 December 2022
- **22 November 2022: EMOD-PACE & CEMDnet Open Workshop** (hybrid) on 'Improving FAIRness of European and Asian marine data and products for regional and global users'
 - Showcasing and promoting the results of the EMODnet-NMDIS collaboration, including:
 - the deployment of technical data interoperability solutions,
 - the extensive assessment of different approaches for validation and modelling,
 - the development of over 100 informative data products available as map layers
 - Etc.



- 23 November 2022: **Final meeting** (hybrid) with EMODnet, National Marine Data and Information Service of China (NMDIS) together with representatives from the European Commission and the Chinese Ministry of Natural Resources)
- Over 100 layers added to Central Portal [GeoViewer](#)

Central Portal article: <https://emodnet.ec.europa.eu/en/emod-pace-cemdnet-open-workshop-improving-fairness-european-and-asian-marine-data-and-products>

EMOD-PACE (EU-China)

- Final project video on YouTube: <https://www.youtube.com/watch?v=30NwjZTI4uA>
- EMODnet-NMDIS collaboration will be maintained (cfr. MoU EMODnet-NDMIS in 2021)
- EU-China Partnership (D0.5) Roadmap for sustained EU-China collaboration on marine data and information sharing beyond the lifetime of the project



EMOD-PACE final project video



EMODnet contributions to (past/ongoing) **Ocean Decade** activities



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

- EMODnet was officially endorsed as a UN **Decade Implementing Partner** in March 2023
- EMODnet already a **key contributor to UN Ocean Decade in diverse ways**:
 - EMODnet Secretariat Co-Chair of the UN OD Data Coordination Group
→ EMODnet key recommendations and principles for supporting the Data Vision under the UN OD
 - EMODnet (thematic coordinators & Secretariat technical team) contributor and expert to the Intersessional Working Group Strategy on Ocean Data and Information Stewardship (IWG-SODIS)
 - **Contributions and representation at multiple UN Ocean Decade Actions** including
 - DITTO on Digital Twins of the Ocean (Steering member);
 - CoastPredict (Advisor role);
 - Ocean Best Practices (EMODnet referenced);
 - JERICO-CORE (Steering member);
 - Nippon Foundation-GEBCO Seabed 2030 (partner).
 - EMODnet contributed to a range of **demonstrations and training** in ocean data and information stewardship, including the organization of
 - Two satellite events for UN OD Laboratory on “A transparent and accessible Ocean” (May 2022): EU marine data services All Atlantic workshop, and Expanding Data Interoperability between Europe and Asia
 - Side event on ‘marine data interoperability’ at UN OD Conference (June 2022)
 - Active **support to IOC-IODE** by supporting the IOC OceanInfoHub project (technical advisor) and ODIS developments at strategic and implementation level
- Internal working group “**EMODnet for Ocean Decade Coordination and Implementation Group**” (**E4OD-CIG**; set up in 2022);
Second meeting planned on 2 June

EMODnet expected contributions to **Ocean Decade activities** as a DIP

- Communication and coordination:
 - Regular updates on EMODnet's activities in the framework of the UN Ocean Decade will be shared via EMODnet CP and monthly EMODnet newsletters
 - Sixweekly meetings with global DIPs
 - Bi-monthly meetings with EU DIPs
 - Organisation of [EMODnet for Ocean Decade Coordination and Implementation Group - E4OD-CIG](#) (set up in 2022); Second meeting planned on 2 June.
- E4OD-CIG actions and activities:
 - **Identify gaps and opportunities** where EMODnet can involve or support new OD Actions
 - **Map** EMODnet activities and services against the Ocean Decade Outcomes and Challenges
 - Set up dedicated webspace on the EMODnet Central Portal for E4OD-CIG and wider global activities
 - Organise dedicated Ocean Decade events
 - Create added-value information products
 - Coordinate, optimise and increase EMODnet's support to existing Decade Coordination Groups, Programmes, Actions and Collaborative Centres
 - Provide strategic input to the Decade Data Coordination Platform via the Data Coordination Group
 - Etc.

The Ocean Decade is tackling multiple challenges

1. Understand and beat marine pollution
2. Protect and restore ecosystems and biodiversity
3. Sustainably feed the global population
4. Develop a sustainable and equitable ocean economy
5. Unlock ocean-based solutions to climate change
6. Increase community resilience to ocean hazards
7. Expand the Global Ocean Observing System
8. Create a digital representation of the Ocean
9. Skills, knowledge and technology for all
10. Change humanity's relationship with the ocean

Getting the right data and information, to the right people, at the right time, is key for all Challenges.



The Ocean Decade Data and Information Strategy



Louis Demargne
(Administrator)



Kate Wing



Jan-Bart Calewaert



Joana Akrofi



Ed Armstrong



Jerome Aucan



Uday Bhaskar



Ute Brönnert



Pier Luigi Buttigieg



Taco de Bruin



Steve Diggs



Marco Filippone



Evert Flier



Jeanette Gann



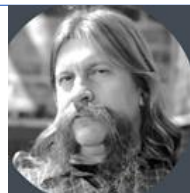
Hernan Garcia



Katy Hill



Neil Holdsworth



Kirk Larsen



Kevin O'Brien



Harrison Ong'anda



Nicolas Segebarth



Rishi Sharma



Gry Ulverud

The Ocean Decade Data and Information Strategy

By the Decade Data Coordination Group



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development

IOC/UNESCO



unesco
Intergovernmental
Oceanographic
Commission

Strategic objectives

1. Establish a federated ocean digital ecosystem allowing sharing and equitable access of multidisciplinary data, information and knowledge by all
2. Improve data and information discovery and usability
3. Build trust in data and information shared across the digital ecosystem
4. Prioritize digital solutions that support decisions for sustainable ocean management
5. Expand, empower, and mobilize global communities to advance and maintain the ocean digital ecosystem

Strategy house

Vision for 2030

A trusted, inclusive, and interconnected ocean data and information ecosystem that is actively used for decision making to support sustainable ocean management.

Mission

To catalyse a solution-oriented, global digital transformation for the digital ecosystem we need to overcome the Decade Challenges.

Strategic Objectives

1. Develop an ocean digital ecosystem that facilitates sharing & equitable access to multidisciplinary data, information and knowledge by all.

2. Improve data and information discovery and usability across the ocean digital ecosystem.

3. Build trust in data and information shared across the ocean digital ecosystem.

4. Prioritise digital solutions that support decisions for sustainable ocean management.

5. Expand, empower, and mobilise global communities to advance and maintain the ocean digital ecosystem.

Enablers

Technological Innovation // Partnerships // Durable Resourcing // Policy & Regulatory Frameworks

Next step: develop the Action Plan to implement the Strategy

- Data Strategy Implementation Group will develop and the Action Plan:
 - ✓ Specifications for ocean data ecosystem
 - ✓ Actionable guidelines on common and best practices – FAIR and CARE
 - ✓ Resource, capacity and infrastructure needs
 - ✓ Process to monitor and report progress

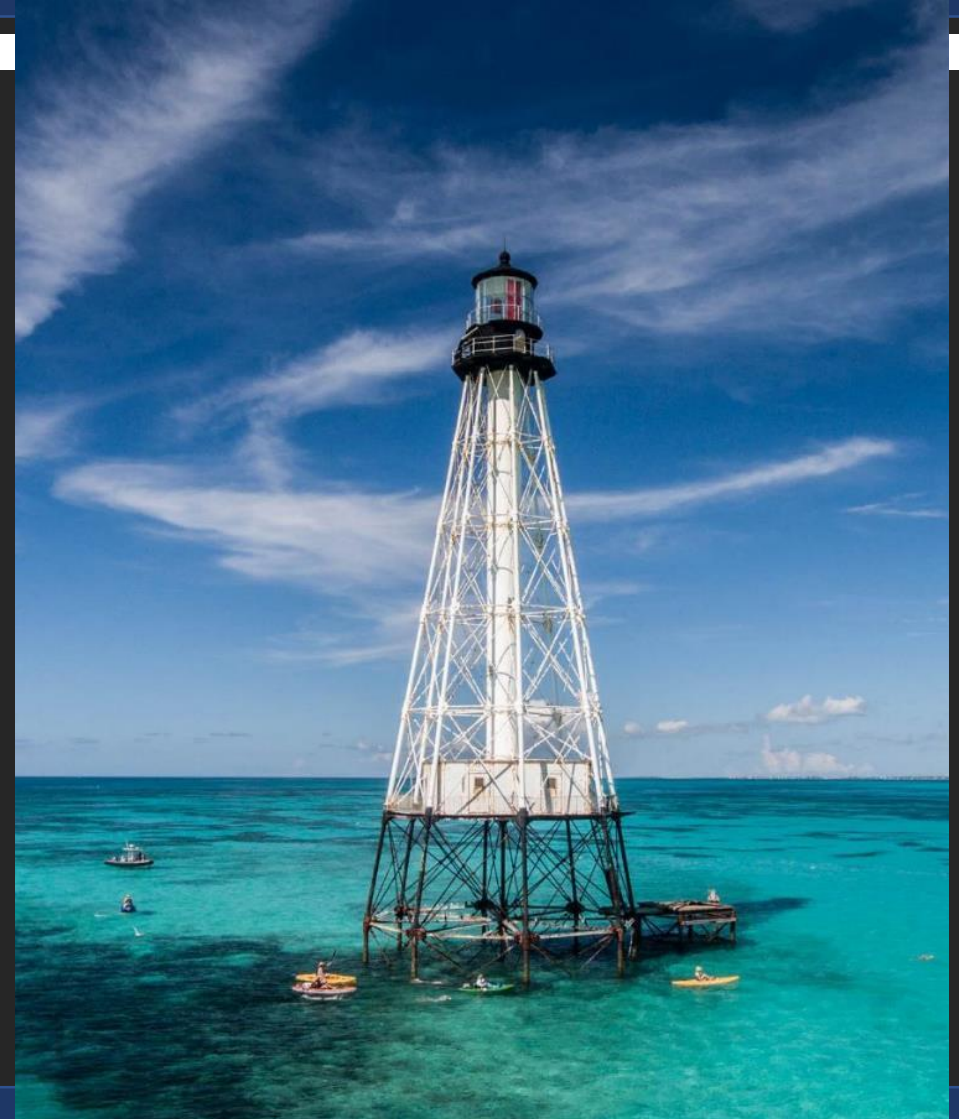
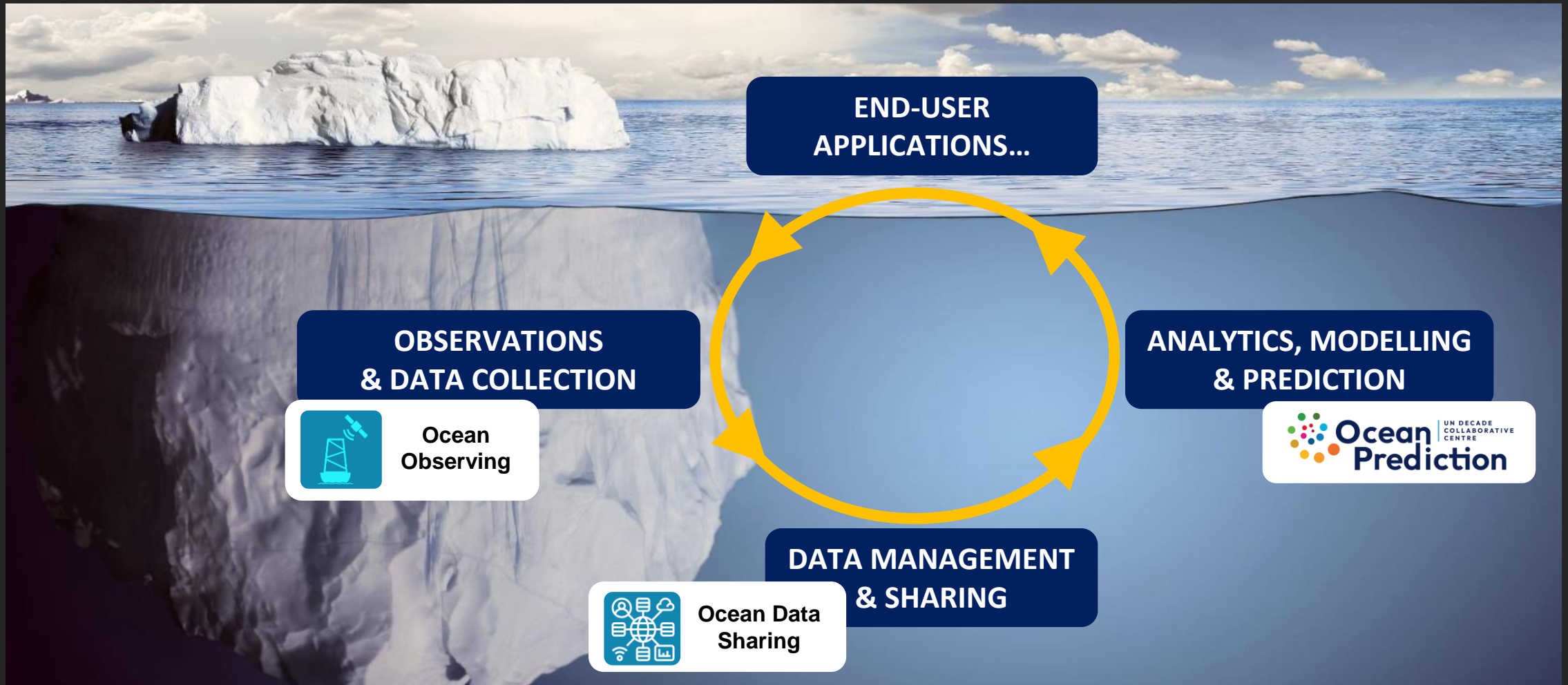


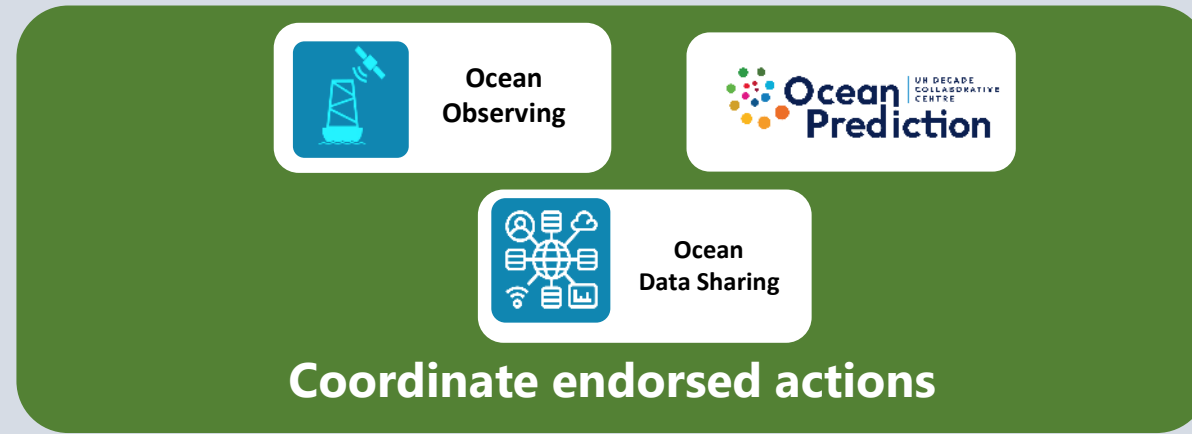
Photo: Ocean Image Bank / David Gross



The Ocean Decade will lift all components of the digital ecosystem



Working together to implement the Data & Information Strategy



Data Coordination Group

Develop a data & information strategy

Corporate Data Group

Unlock privately held data

Strategic Vision & Objectives

Implementation of a trusted, inclusive, and interconnected ocean data and information ecosystem that is actively used for decision making to address the Decade Challenges.

Strategy Implementation Group

Develop Action Plan & guide implementation

Frameworks, Strategies, Recommendations

enable private companies to share their privately held ocean data for the benefit of ocean science

What will the Coordinating Offices do?

- Support links and information flow
- Avoid duplication of effort
- Enable cross-disciplinary co-design
- Provide strategic advice
- Encourage the development of technical and scientific capacities
- Address data gaps and infrastructure needs
- Raise awareness of ocean observing and data literacy
- Develop partnerships
- Communicate successes

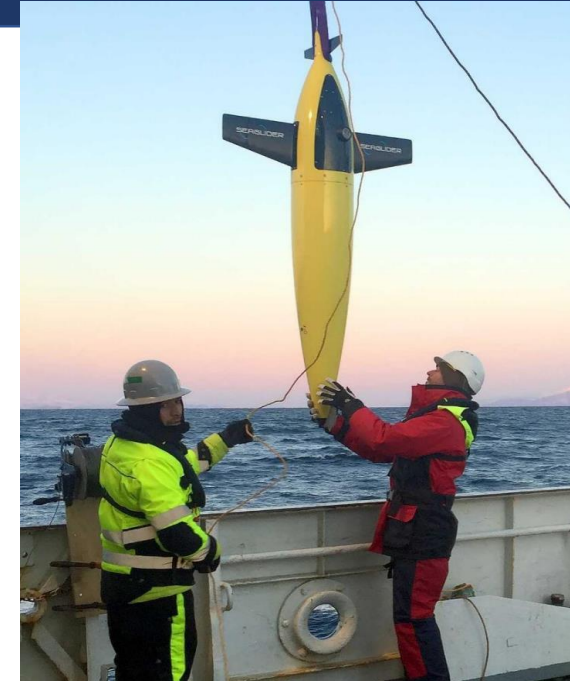
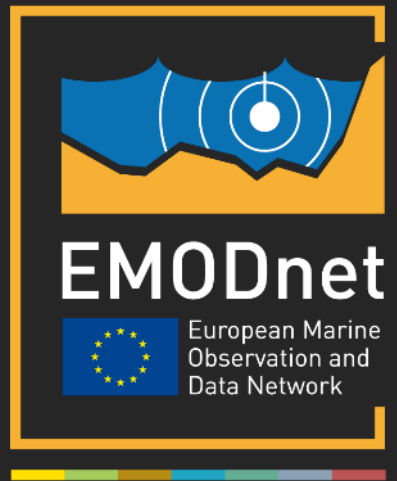


Photo: Kongsberg





emodnet.ec.europa.eu

Your gateway to marine data in Europe

