

Powering the European Marine Data Ecosystem

For a digital and green future

EMODnet OPEN CONFERENCE 2023



The UN Ocean Decade Coordination Group, Strategy, Implementation and EMODnet's Contribution

Jan Bart Calewaert, Lead of the
Decade Coordination Office for Ocean
Data Sharing

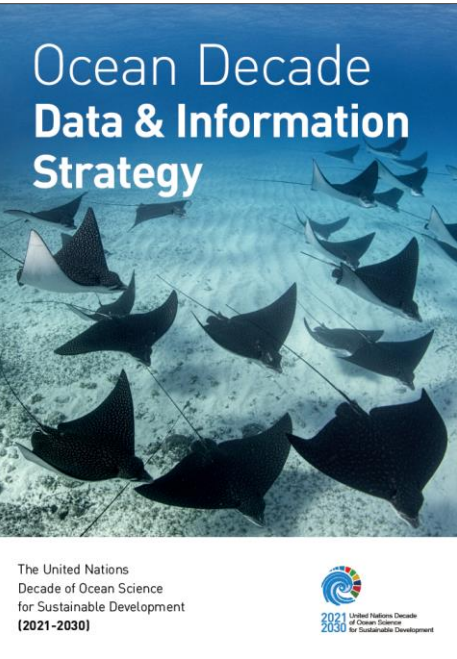
Towards a global, distributed, trusted, inclusive, and interconnected Ocean Data and Information Ecosystem



2021
2030 United Nations Decade
of Ocean Science
for Sustainable Development



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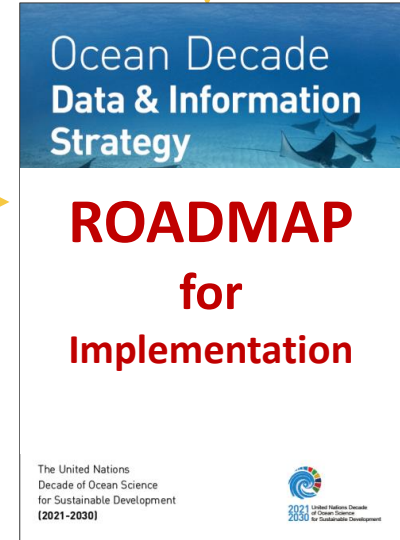
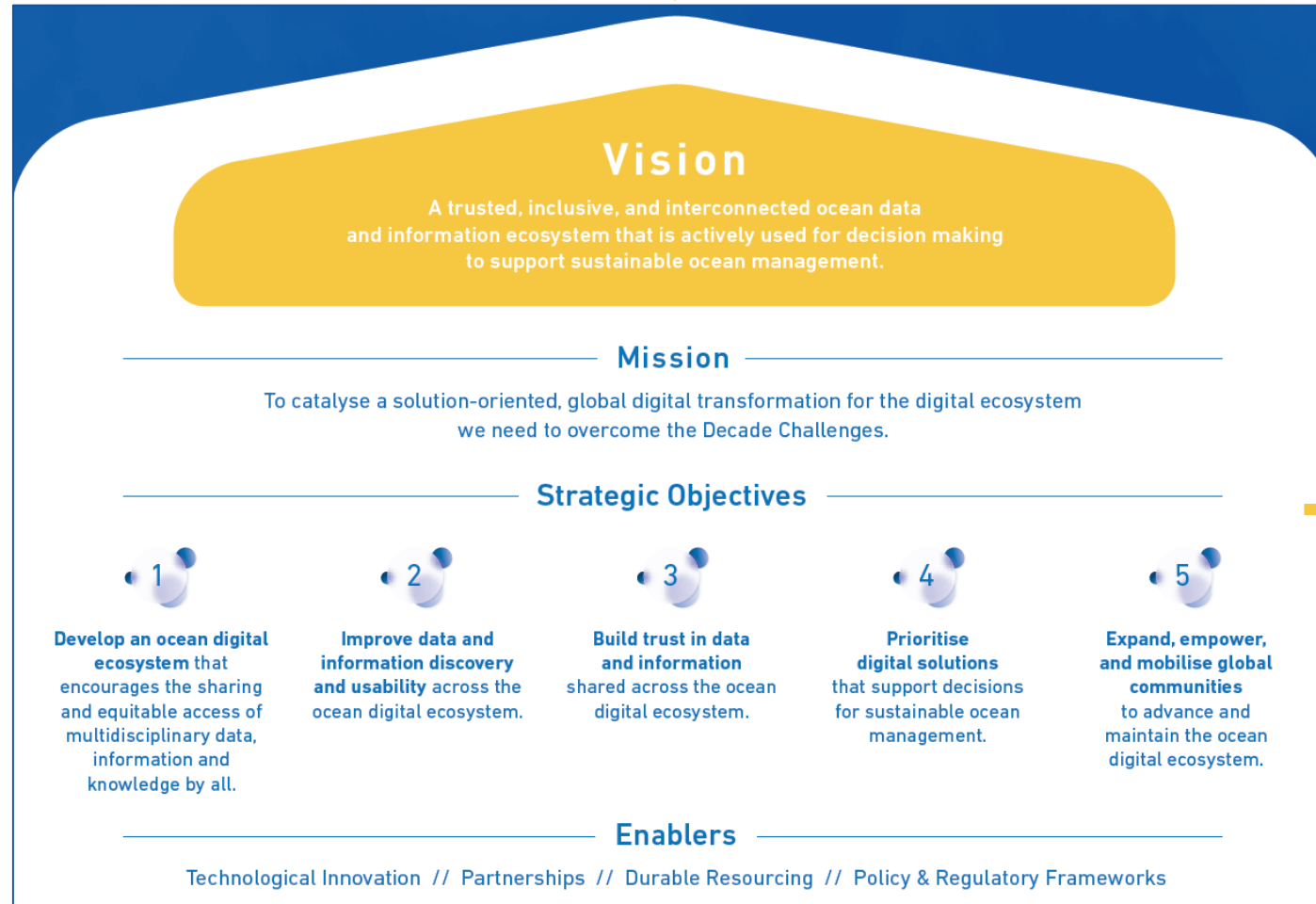


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Data Coordination Group (DCG)
Develop a data & information strategy

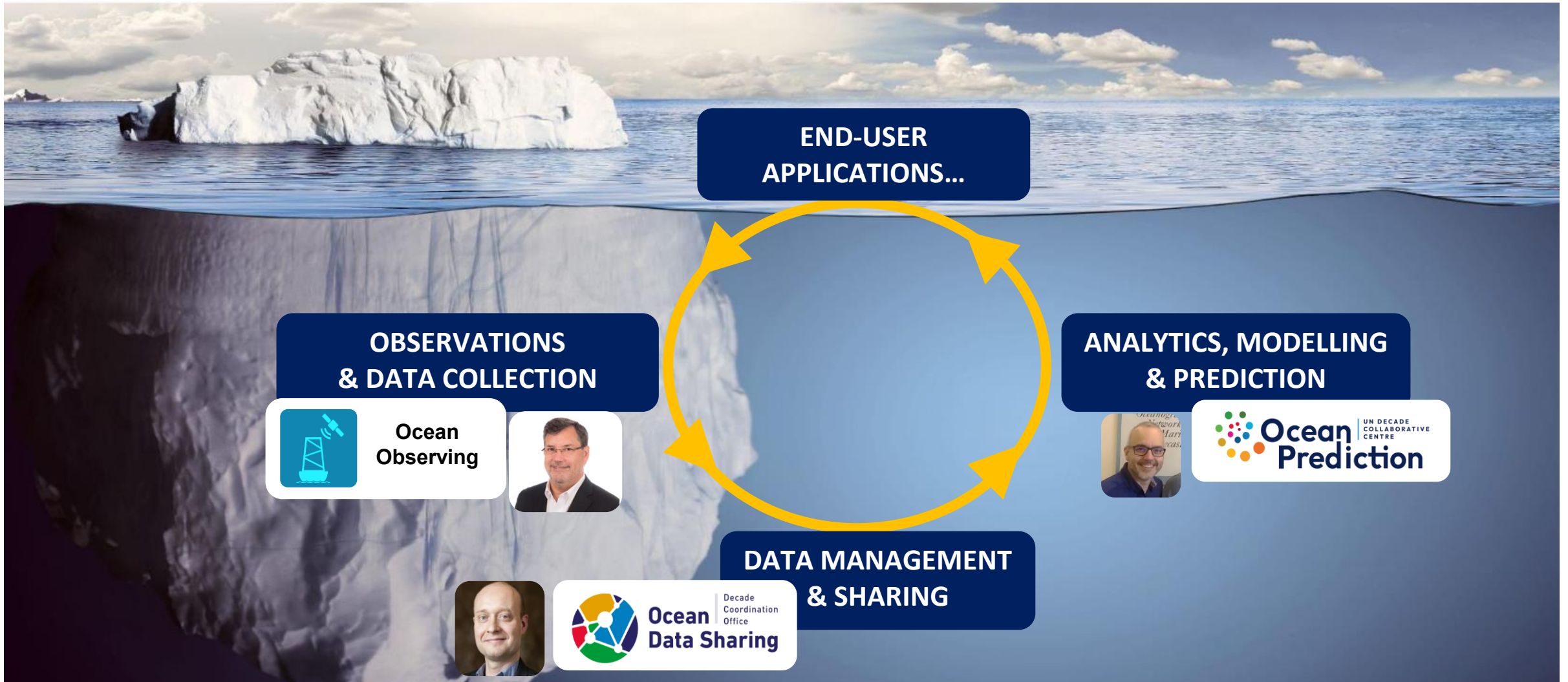
**Data Strategy
Implementation
Group (DSIG)**
*Develop a roadmap for
implementation of the data
& information strategy*



Lifting up the global digital ecosystem critical components from observation to the end-users



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THE CO-CHAIRS



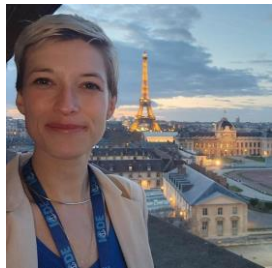
Jan-Bart
Calewaert



Paula Cristina
Sierra-correa

Through multi-stakeholder collaboration, develop a comprehensive digital representation of the ocean, including a dynamic ocean map, which provides free and open access to explore, discover and visualize data and information on the past, current, and future state of the ocean.

THE EXPERT MEMBERS



Ann-Christine
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Toru
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Crosman



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Martin
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Mike
Smit



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Peter Teye
Busumprah



Steve
Hall



Alain
Arnaud

Vision 2030 Challenge 8

Digital representation of the Ocean



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Process towards a Strategic Ambition Setting for Challenge 8 White Paper

WHO ARE OUR USERS

Everyone - diverse in expertise & area, leave no one behind

- professional (hands on)
- professional (not hands on)
- non-professional/public
- **other 9 challenges are proxy users** defining data & info needs (both content & services)

WHAT DO THEY NEED?

- easy access to ocean data & information (multidisciplinary)
- tools/services for accessing and sharing data, information and knowledge

DIGITAL CONTENT NEEDS

All data types relevant

Focus on **priority data products & underpinning data**

Data-layers as drivers to pull in data

- Address data-gaps, agree on standards & improve interoperability
- Leverage existing communities
- Must be societally relevant (other challenges)
- Must be co-developed in a transparent process

Global layers must be **complemented with local case studies** (global south)

DIGITAL SERVICES NEEDS

1. Global Ocean **Data Discovery and Access Service**
2. Online user-friendly **Digital Atlas of the Ocean**
3. **Marine Knowledge exchange** mechanisms
4. **Help Desk Service**
5. **Capacity Development / Sharing and Training** facility

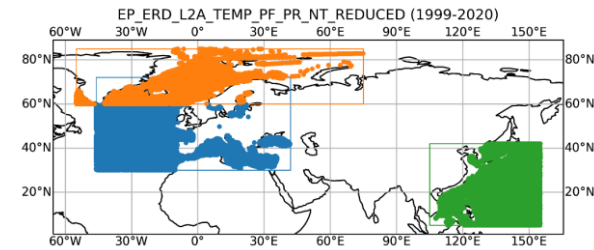
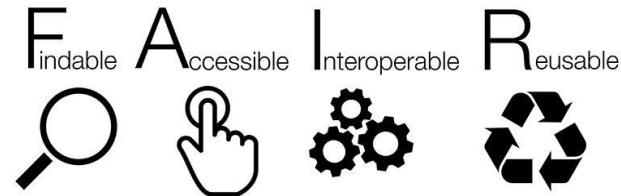
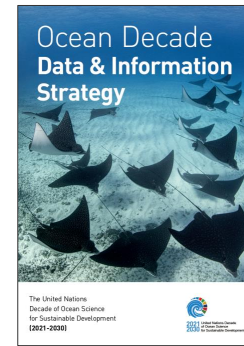
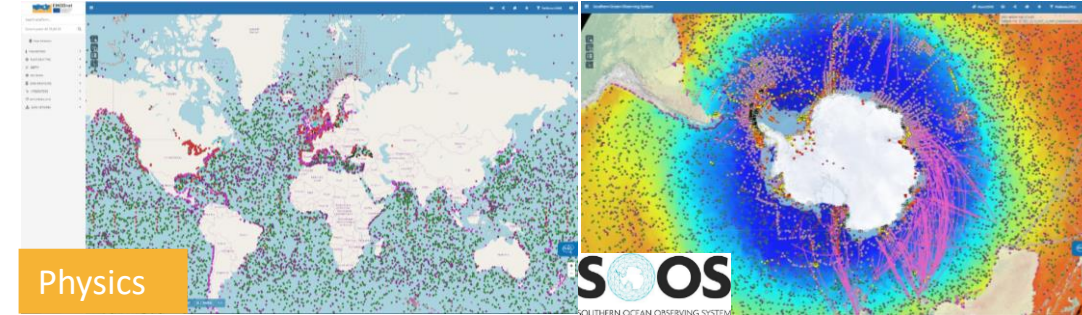
NEXT STEPS

- Agree on globally relevant data products: e.g., marine litter/pollution, MPAs, blue carbon,
- Elaborate service ideas, build on what exists / identify existing best practices
- Synergies with other WGs
- Incorporate feedback on strategic ambition
- Involve relevant Actions
- Draft White Paper

EMODnet as implementor of the Decade Data and Information Strategy



- EMODnet has **European and global remit**
 - *Thematic global coverage*
 - *Connecting to global data sharing initiatives and services*
- EMODnet is a **Decade Implementing Partner (DIP)**
 - *Co-develop/implement Data & Info Strategy*
 - *Contributes to key Decade Actions (Ditto, OD2030, OBPS)*
 - *Contributes to achieve Challenge 8 - A digital ocean*
 - *Support the efforts of the DCO-DataSharing*
- EMODnet **works with other regional services**
 - *Towards a global interoperable data sharing framework based on FAIR data principles and agreed standards for data, metadata and exchange*



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United Nations Educational, Scientific and Cultural Organization



Intergovernmental Oceanographic Commission



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Thank you for your attention

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