



The Global Ocean Observing System

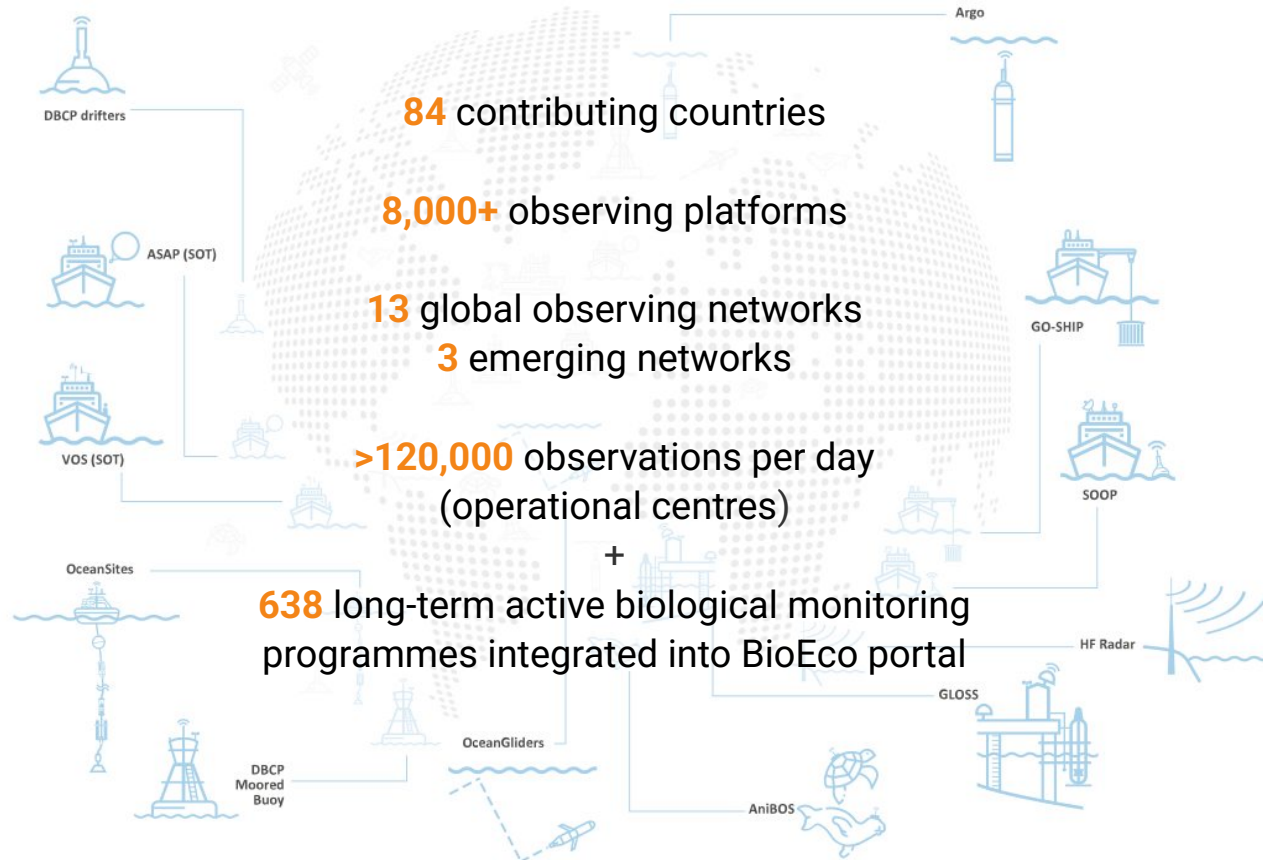


Session 1: Updates and preparations for IOC A-33

Joanna Post

14th GOOS Steering Committee meeting (SC-14) | 19-21 February 2025 | Paris, France

Recent advances – GOOS today



Recent advances



Wallenius Wilhelmsen group, Hoegh, Kongsberg, Gard-marine insurer



[DBCP Training Workshop on Ocean Observations for Weather Forecast and Climate Prediction](#) (6-8 Aug 2024)

Modules and Topics of Workshop

- Session 1: Needs and Requirements of Ocean Data
- Session 2: Data Management and Access
- Session 3: Data Application in Forecasting
- Session 4: Data Application in Climate Prediction
- Session 5: Regional Requirements and Cooperation



WMO/IOC Joint Collaborative Board (4-6 Sep 2024)

1. Global Basic Observing Network (GBON)

- Co-create a definition of the Ocean GBON, incorporating additional ocean variables, in complement to / as a part of WMO's Global Basic Observing Network (GBON).
- [Joint WMO/IOC working group on GBON](#)

2. Data Management and Interoperability

- Enhance interoperability for an integrated observing and data system.
- Improve data sharing between the WMO Information System (WIS) and the Ocean Data Information System (ODIS).
- Develop a structured approach to Marine Climate Data Systems (MCDS) and enhance the integration of observation networks.
- [Joint WMO/IOC technical working group for data management](#)

3. Coastal and Maritime Resilience

- Strengthen coastal and maritime community resilience against hazards like tsunamis
- Supporting the UN's Early Warning for All (EW4All) initiative.
- [IOC and WMO experts contributed to the report "Meteotsunamis: definition, detection and alerting services investigation" \(IOC Technical Series 200, 2025\). For operational purposes these phenomena are the responsibility of National Hydro-Meteorological agencies, whereas scientific work may continue to be supported by IOC.](#)

4. Capacity Development

- Establish a Joint Oceanography and Meteorological Specialized Training Centre.
- Share data management capabilities with developing countries and provide guidance on marine observing systems.
- [IOC and WMO coordination includes Global Campus Initiative and the Ocean Teacher Global Academy](#)

Co-chair of BioEco Panel



Gabrielle Canonico is stepping down from the co-chair position of the GOOS BioEco Panel.

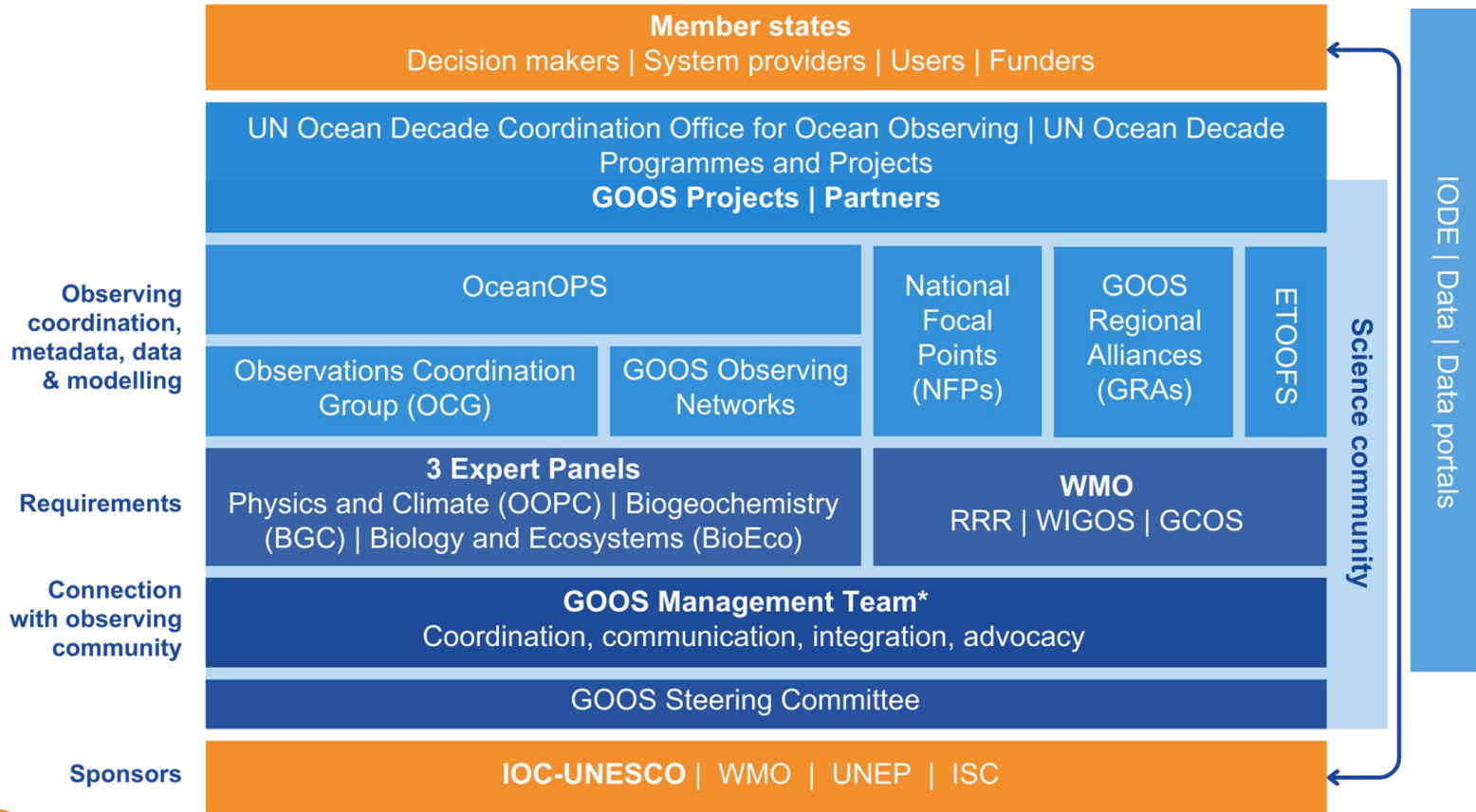
We would like to thank Gabrielle for her leadership and contribution to the Panel.

THANK YOU GABRIELLE!




The BioEco Panel requests the GOOS SC to approve the Panel's nomination of Audrey Darnaude from CNRS, as their new co-chair

The GOOS

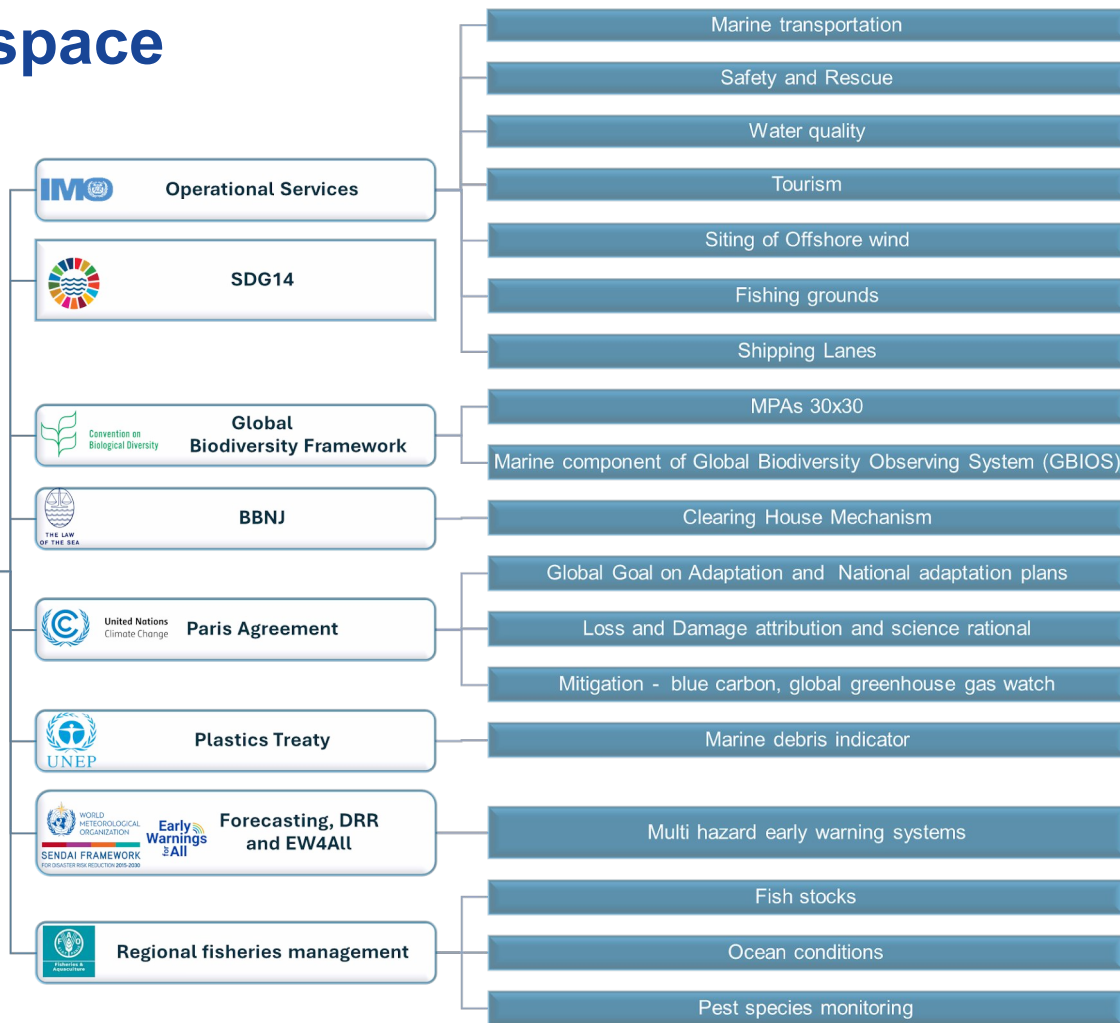


The policy space



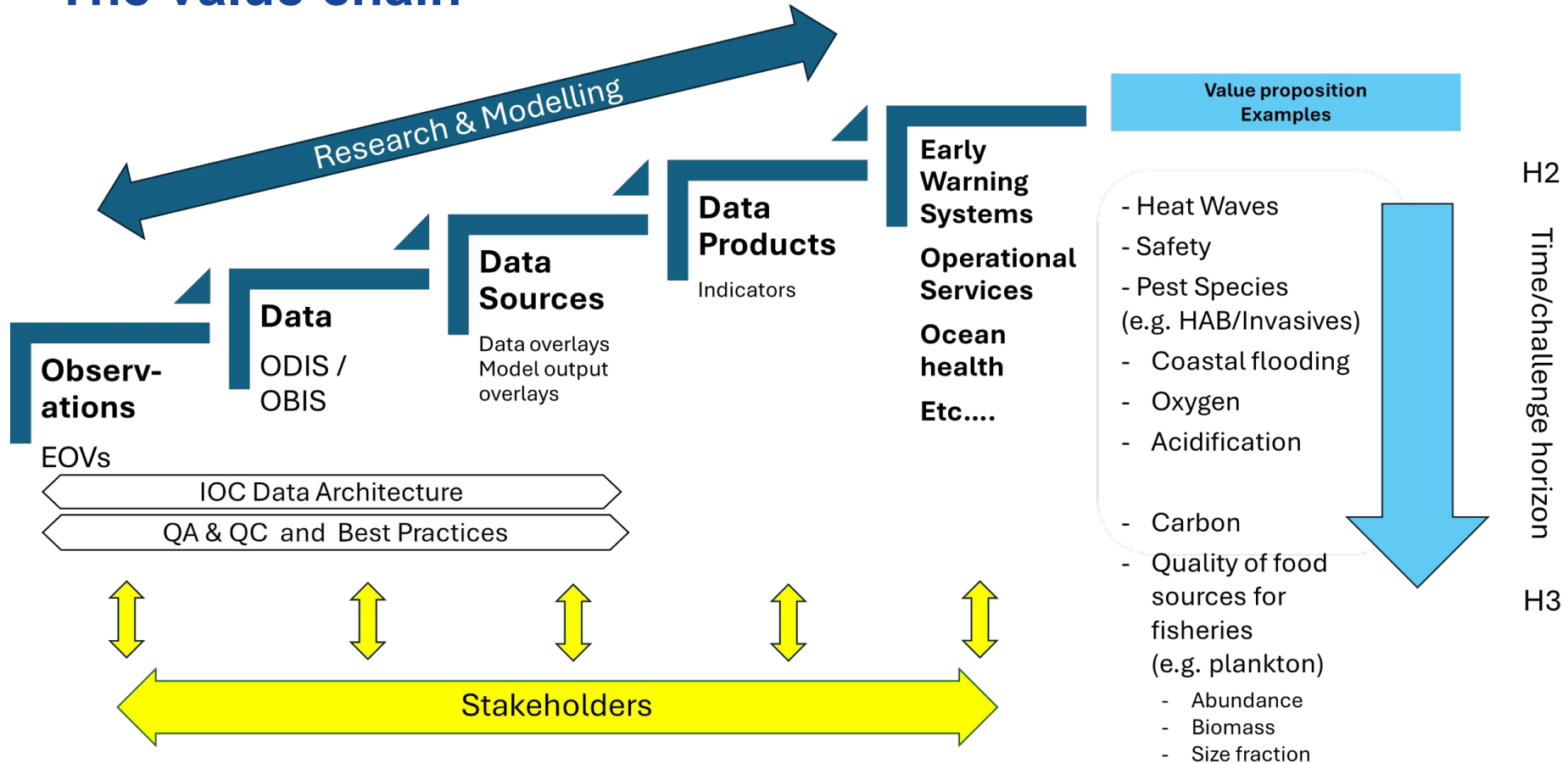
IOC
Unified data delivery system

The capability to systemize and synergize marine information collection and delivery



Examples of delivery spaces

The value chain



IOC Assembly 33, June 2025

1. GOOS Reform
2. GOOS Steering Committee Workplan
3. IOC Data Architecture
4. Joint WMO-IOC Collaborative Board (JCB) strategic advice on joint work to achieve common objectives
5. Progress report on Ocean Observations in areas under National Jurisdiction

Decision IC Executive Council 2024.

A first step – is a proposal for IOC Assembly 2025 – whilst building coordination, integration and advocacy
<https://oceanexpert.org/document/34575>

Proposal for evolving GOOS (outlining what needs to be done as a first step)

1. Focus GOOS to be fit for purpose to meet the needs of Member States
2. Review components and revise TOR, as well as MoUs with sponsors and partners
3. Create a functioning Digital Ecosystem to enable end user applications
4. Evolve a user and uptake strategy
5. Determine a process to set a new GOOS strategy synergised with Decade Challenge 7
and across IOC processes

Management Team

Coordinate and advocate international, regional and national support and engagement, with clear communications and process

Continue to engage with Member States and other stakeholders for transparency and support

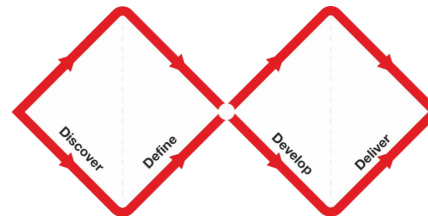


Decision EC-57/4.1 Request to ES

Agenda item 4 – part of the process

Consultancy to support

Proposal by the Executive Secretary to evolve GOOS governance in consultation with the GOOS Steering Committee, representatives from Member States and GOOS sponsors.



Work plan – Agenda item 7.1	GOOS Strategy 2030
I. Introduction	
II. Observation system design and development	Deliver an integrated, 'fit for purpose' observing system built on the systems approach outlined in the Framework for Ocean Observing (GOOS Strategy 2030, Strategic Goal 2).
III. Strengthening data integration and delivery	GOOS SC identified strengthening data integration and delivery as a needed new area of emphasis for GOOS
IV. System implementation	Deepen engagement and partnership from observations to end users to advance the use and impact of the observations and demonstrate their benefits (GOOS Strategy 2030, Strategic Goal 1)
V. Outreach and Partners	Building for the future through innovation, capacity development, and evolving good governance (GOOS Strategy 2030, Strategic Goal 3)
VI. Reform	





The Global Ocean Observing System

Thank you

goosocean.org

