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57th Executive Council

25-28 June 2024

Item 4.1 GOOS Governance

Joanna Post – Head of Section OOS – 26 June 2024

Overview



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- Overview
- Progress on evolving GOOS governance
- Proposed actions moving forward

“Ocean Observation is a Societal Service”



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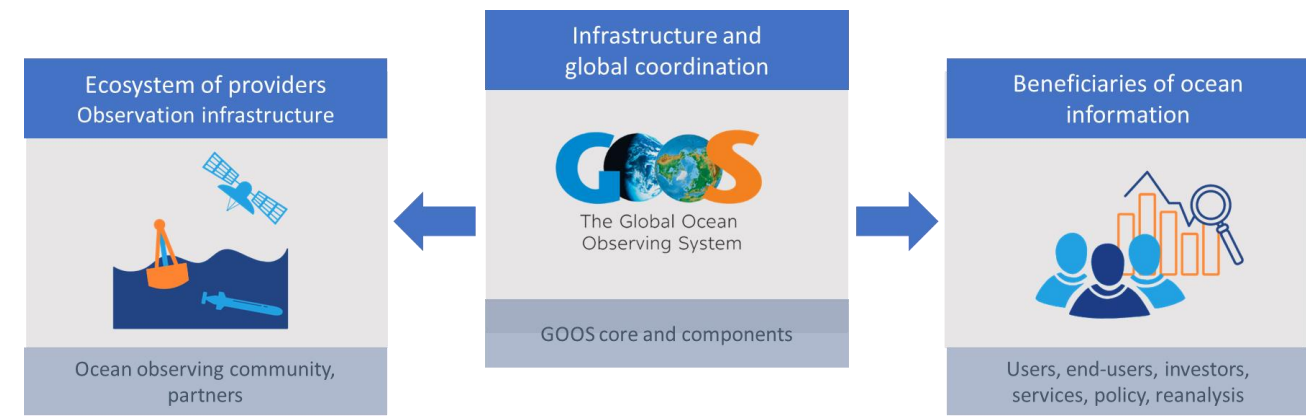
Global Greenhouse Gas Watch (G3W)



United Nations Climate Change



Operational national and regional forecasting



Convention on Biological Diversity

Post-2020 Biodiversity Framework

SENDAI FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030



- Global Environmental Monitoring Service (GEMs)
- International Legally Binding Instrument on Plastic Pollution 2024



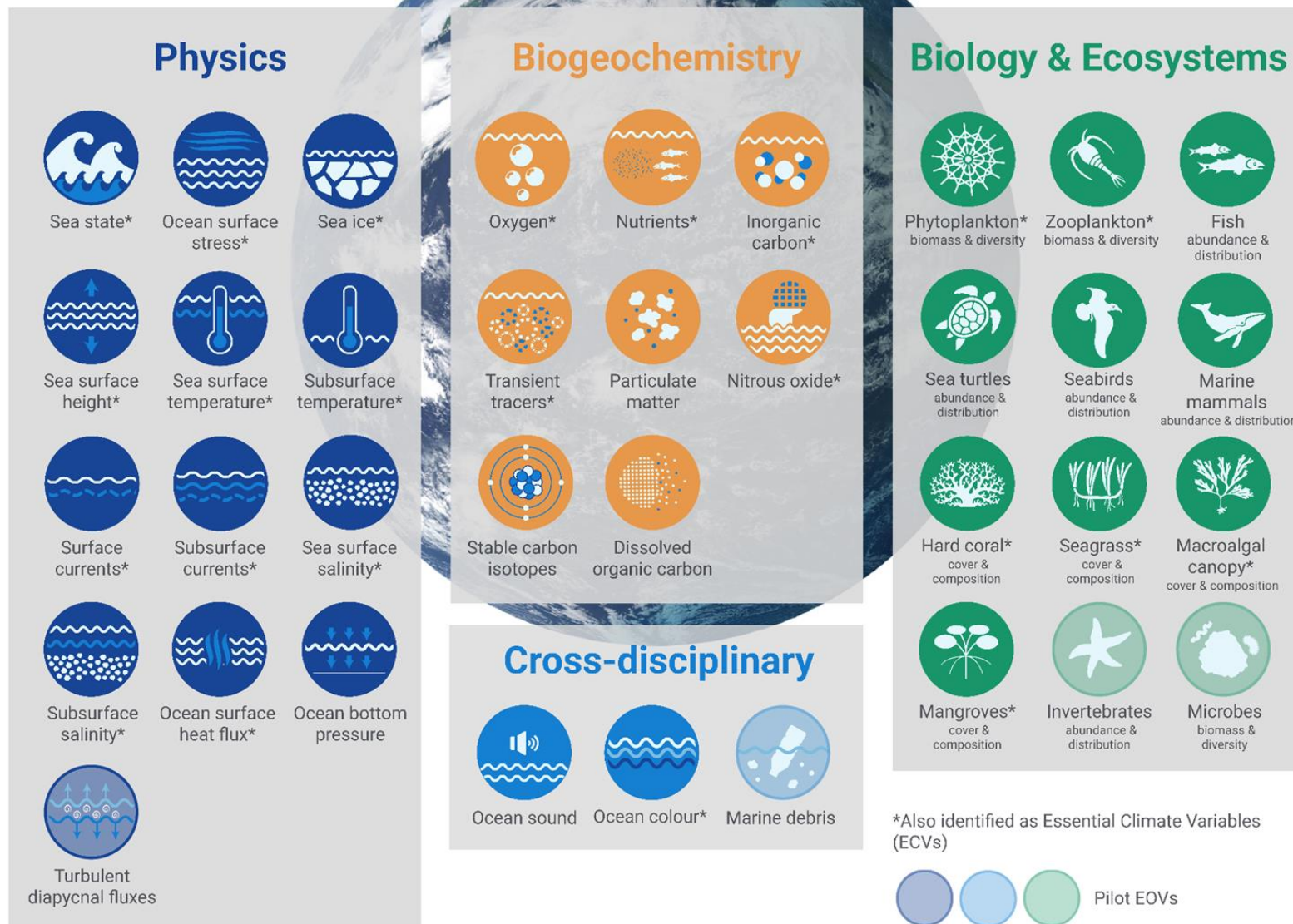
THE LAW OF THE SEA

Biodiversity Beyond National Jurisdiction

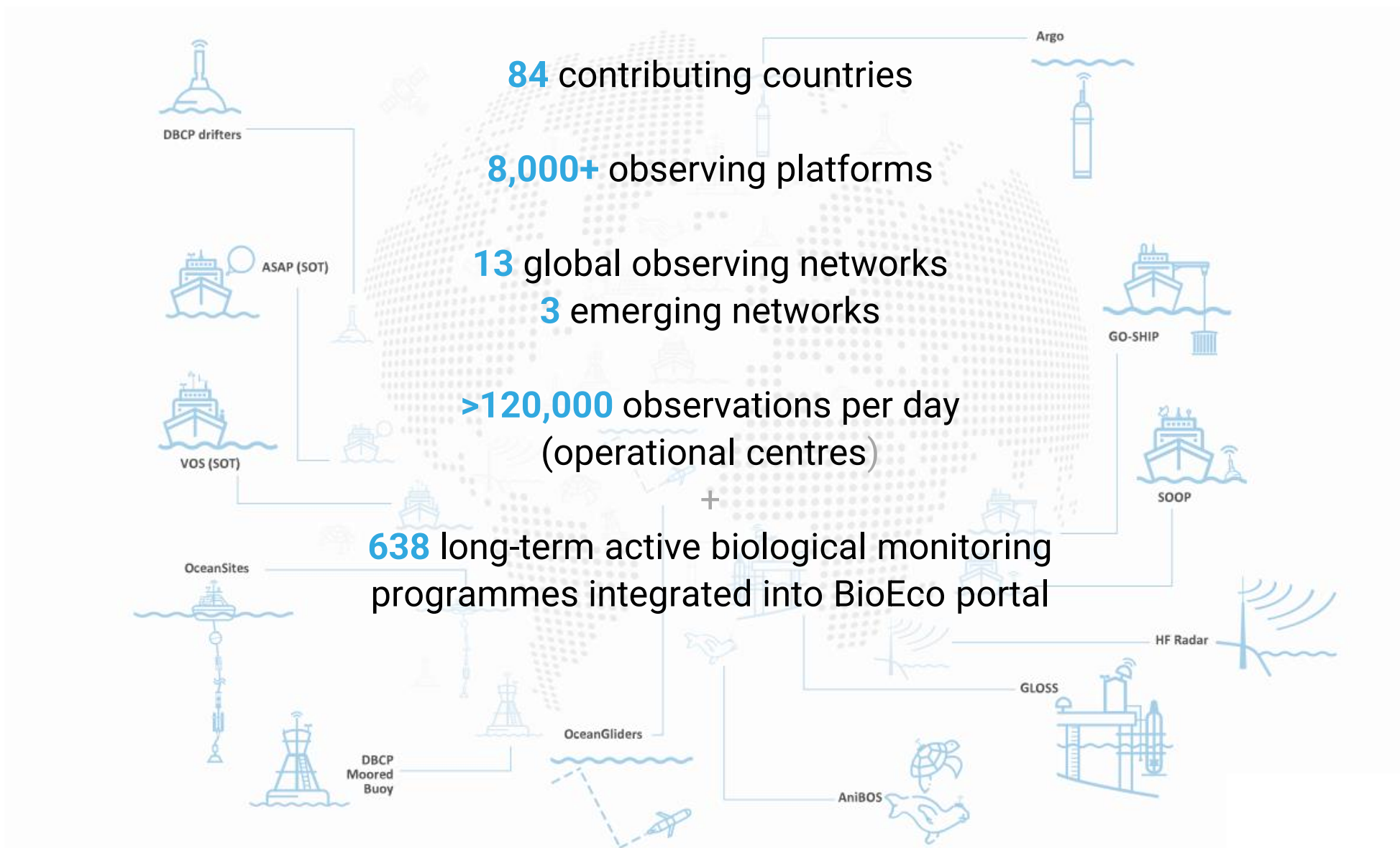
Advancements in ocean observing

36

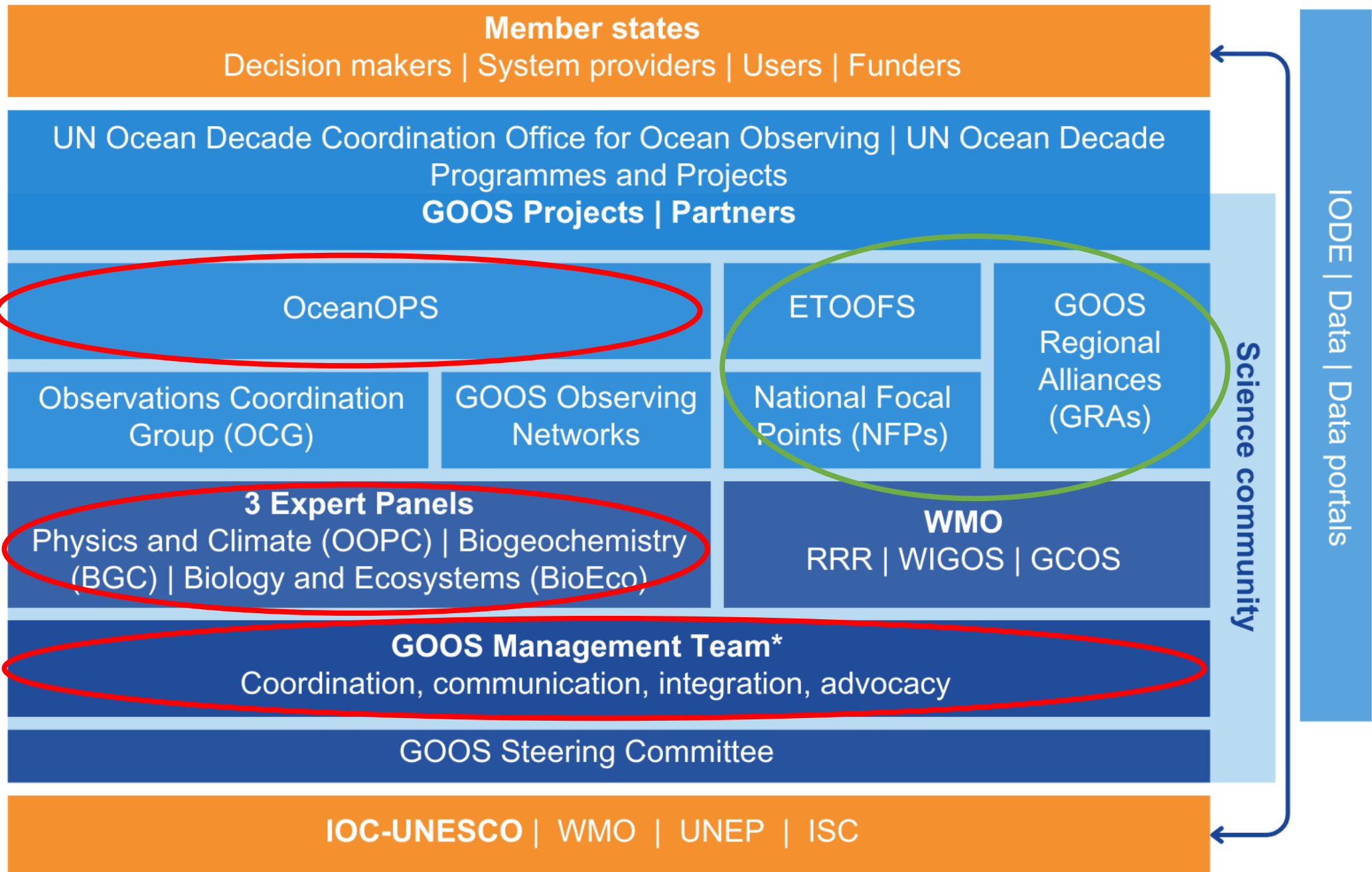
Essential Ocean Variables (EOVs)



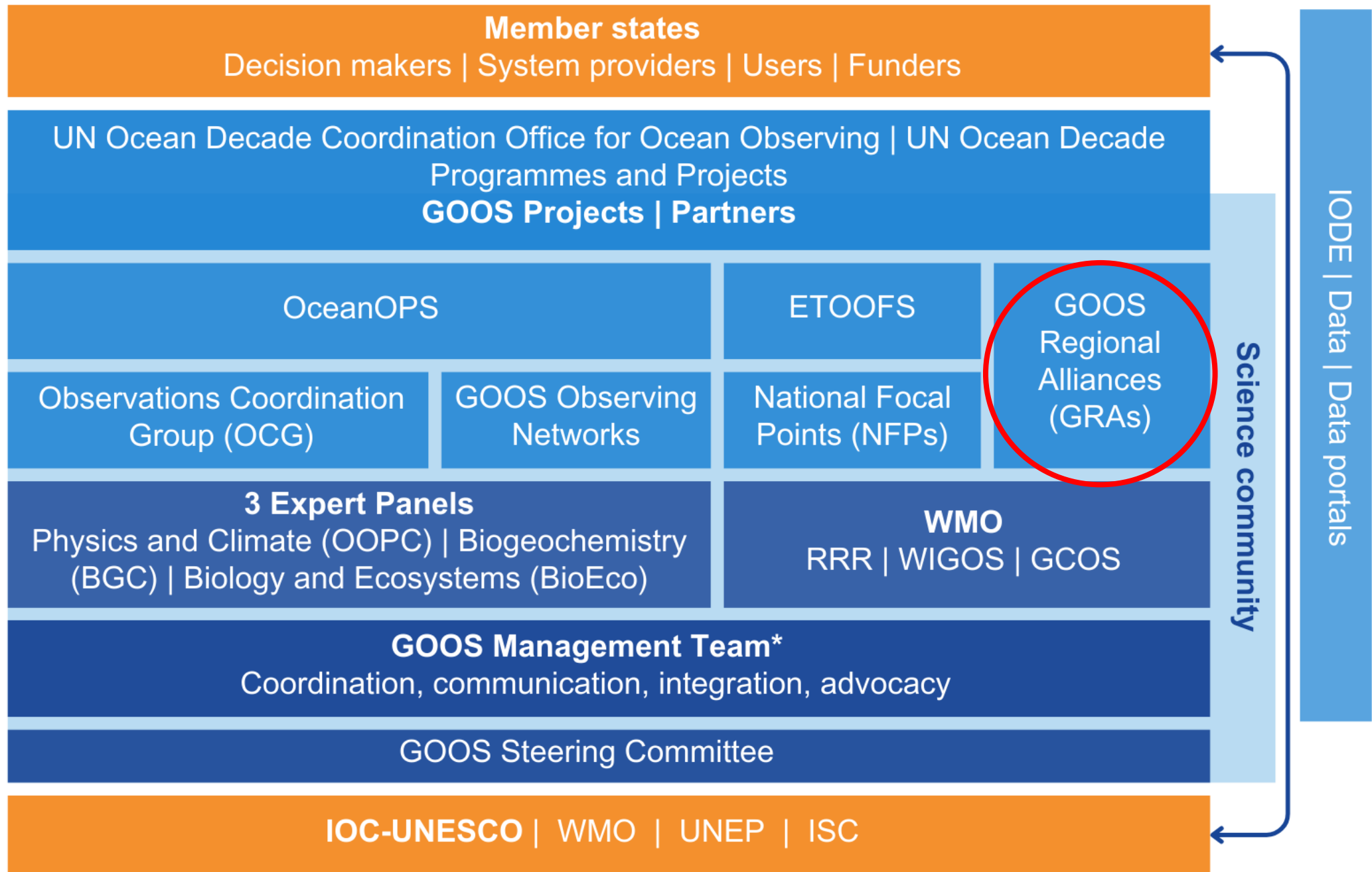
Advancements in ocean observing



GOOS Structure



GOOS Structure



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GOOS mandate



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Resolution XXVI-8 (2012) includes TOR for GOOS Steering Committee

GOOS Steering Committee comprises 15 nominated members plus ex-officio and invited experts
The GOOS Steering Committee members can serve up to two consecutive two-year terms

15 nominated members:

- 5 experts appointed by Member State “Electoral Groups” @**IOC Assembly in 2023**
- 10 scientific and technical experts appointed by the Executive Secretary, in consultation with the IOC Officers and the cosponsors – **priority for 2024**

GOOS SC Selection process

- IOC Circular Letter [No 2983](#), January 2024
- 56 Nominations by deadline 8 March
- Experience (Graded 0-3 by secretariat in consultation with ES)
 1. Heading prominent OO Systems and/or large scale international programmes/organisations
 2. Ocean observing (in situ and/or remote sensing/satellite)
 3. Familiarity with UN/Intergovernmental processes
 4. Data management
 5. Data products, modelling and services delivery
 6. Risk management or governance
 7. Resource sourcing and management inc blue/green finance
 8. Technology development in all areas
 9. Capacity development/exchange
 10. Outreach and communications
- Geographical representation
- Gender representation
- Balanced skill sets to meet the needs of GOOS strategic objectives and vision
- Final list agreed with GOOS sponsors and IOC Officers
- New members now confirmed – with institutional knowledge also maintained

GOOS SC Members June 2024

Jerome	Aucan	Pacific Community Center for Ocean Science	New Caledonia	M
Caroline	Cusack	Marine Institute Ireland	Ireland	F
Patrick	Heimhach	University of Texas at Austin	US/Germany	M
Dwikorita	Karnawati	Indonesia Agency for Meteorology, Climatology and Geophysics	Indonesia	F
David	Legler	NOAA	US	M
Pooja	Mahapatra	Fugro	Netherlands	F
Lebogang	Neelo Makgati	South African Weather Service	South Africa	F
Joanne	O’Callaghan	Oceanly Science Limited	Australia	F
Alvaro	Scardilli	Jefe Departamento Meteorología, Servicio de Hidrografía Naval	Argentina	M
Yi	Wang	National Ocean Technology Center, MNR	China	M
Patrick	Gorringe	Regional Expert Group I	Sweden	M
Vladislav	Shaimardanov	Regional Expert Group II	Russian Federation	M
Matías	Sifón	Regional Expert Group III	Chile	M
Balakrishnan	Nair	Regional Expert Group IV	India	M
Suzanne	El-Gharabawy	Regional Expert Group V	Egypt	F

Recommendations for GOOS in the Neville Smith report

Recommendation 1. Reconsider GOOS structure

Recommendation 2. Rejuvenate national engagement

Recommendation 3. Recognize regional networks as part of the support structure

Recommendation 4. Recognize research contributions

Recommendation 5. Develop a plan for showcasing user uptake

Recommendation 6. Form capacity building, education and training study group to provide guidance

Recommendation 7. Develop a high-level description of the architecture of the ocean system and put out for public comment and feedback

Recommendation 8. Further develop the framework for GOOS support, along with a 5-10-year strategy

Recommendation 9. Renovate and rejuvenate the current hub-and-spoke arrangement

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A sustained and sustainable critical ocean observing infrastructure

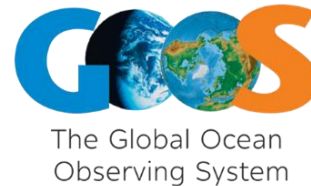


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From the coast to the open ocean – From the surface to the sea floor

national – regional – global



1. Co-designed ocean observing system for operational services, as well as research
2. FAIR data for the Essential Ocean Variables with clear standards, QA and QC
3. Equitable, federated global ocean digital ecosystem and data community
4. Global, regional and national coordination, integration and advocacy
5. Build new economic thinking, literacy, capacity, innovation and partnerships

Decision: Proposal for Assembly 2025 and ongoing outreach

A first step – is a proposal for assembly 2025 – whilst building coordination, integration and advocacy

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 proceses

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

"Facts have to be
discovered
by **observation**,
not by reasoning"

Bertrand Russel
(1872-1970)



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THANK YOU

