









GOOS Steering Committee Introductory Meeting

28 August 2024 Virtual meeting

Meeting agenda

- Introductions (20 min.)
- Overview of GOOS and Q&A (30 min.)
- Nomination of names for SC Co-Chairs and process for election (10 min.)
- Setting in place upcoming meetings next steps (10 min.)



Introductions



GOOS Overview



Ocean observations: fundamental to society

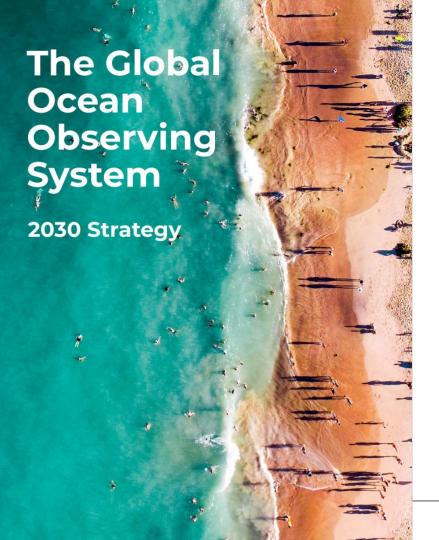


No one country can observe the ocean effectively on its own.



GOOS: A critical infrastructure for ocean observing

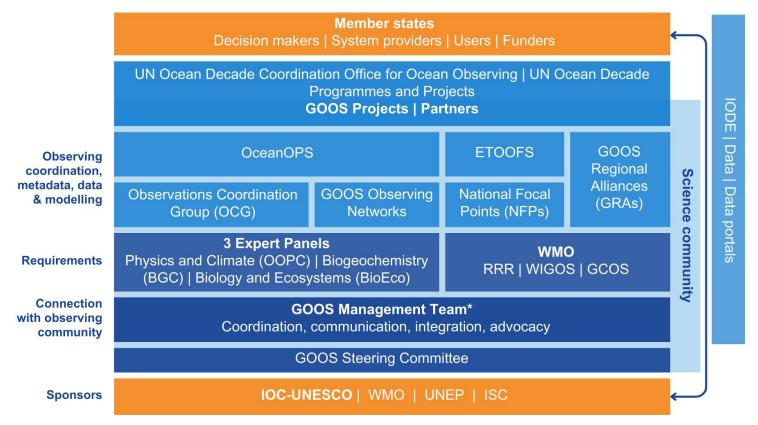




Underpinning a wide range of applications



GOOS Structure





Work areas



Expanding co-design of the system

3 Transformative Ocean Decade Programmes



Enhancing UN Advocacy

UNFCCC, CBD, UN Ocean Conference



Communicating

GOOS Annual Report Card



Engaging Member States

76 GOOS National Focal Points



Strengthening structure & standards

36 Essential Ocean Variables & Best Practices



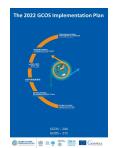
Working with private sector

Dialogues with Industry



Developing forecasting

Guide to Operational Ocean Forecasting Systems



Widening partnerships

Global Climate Observing Implementation (GCOS)



practices REAL TIME 3 META-DATA 5 STATUS² ased meteorological ★★☆ ★★☆ ★★☆ **☆ ★★☆ ased oceanographic ★★☆ *** *** ★☆☆ **☆ *** *** ** *** applicable ★★☆ vel gauges - GLOSS *** *** *** *** series sites -*** ★★☆ **☆ ★★☆ applicable *** *** ★★☆ ★★☆ d buoys - DBCP ** mi buovs - DBCP ★★☆ *** *** **☆☆☆** *** ★☆☆ *** 444 ** *** Emerging *** *** *** ★☆☆ *** a buovs - DBCP *** *** *** ★★☆ ng floats - Argo *** ** & biogeochemistry ★★☆ ★★☆ *** ★★☆ Emerging 1222 **★★☆** ★☆☆ ★☆☆ ★★☆ Emerging ☆☆☆ ★☆☆ ★★☆ ★★☆ ☆☆☆ Emerging Oceanops

Operational delivery

- 84 countries, 8,400+ observing platforms
- More than 120,000 observations per day operational systems
- 13 global networks + 3 emerging
- 12 BioEco EOV communities

"The weather forecasting systems will run off the rails if they don't have the surface pressure information over the ocean to constrain them" - Lars Peter Riishojgaard, Director of the Earth System Branch WMO

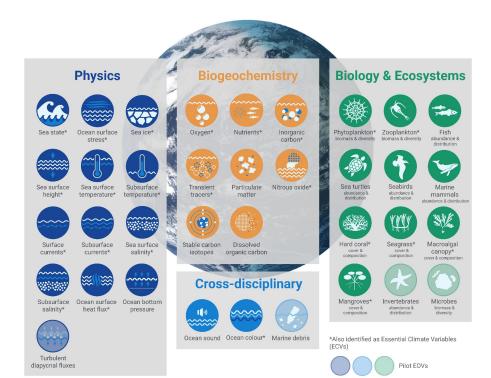
www.ocean-ops.org/reportcard2023

36 Essential Ocean Variables (EOVs)











Post-2020 Biodiversity Framework

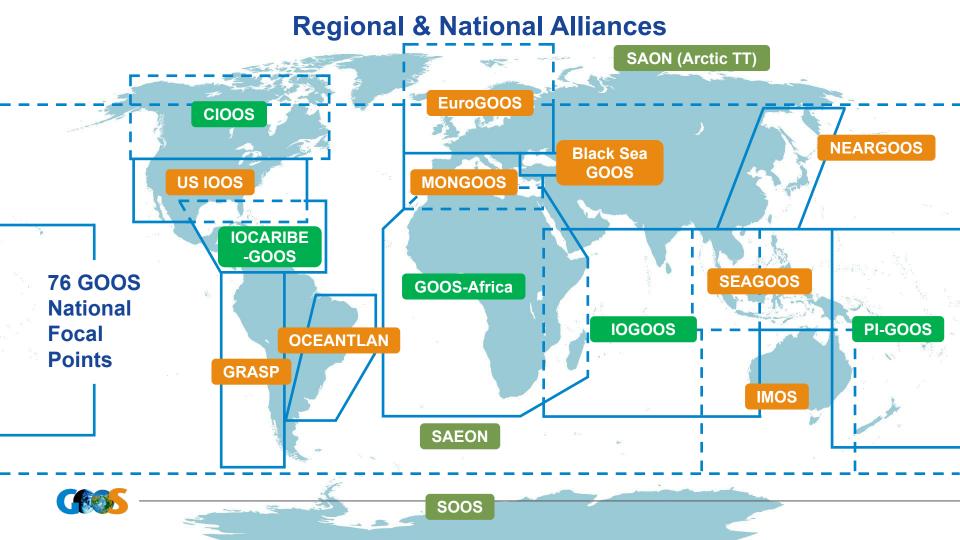




+ Biodiversity Beyond National Jurisdiction



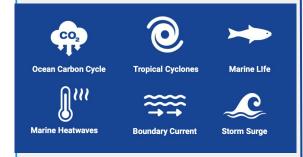






Ocean Observing Co-Design

Co-Design observing-modeling-users
Establish clear investment priorities
Accessible ocean information
Effectively meet global challenges
6 Co-Design Exemplar Projects



CoastPredict

GlobalCoast - implementation
125+ Pilot Sites
65+ countries
Multiple regions
Revolutionise global coastal
observing and forecasting



GOOS Decade Coordination Office: Ocean Observing

11 Ocean Decade Programmes91 Projects30% Ocean Decade Actions



Ocean Decade Challenge 7

Vision 2030 White Paper



https://oceanexpert.org/document/33599



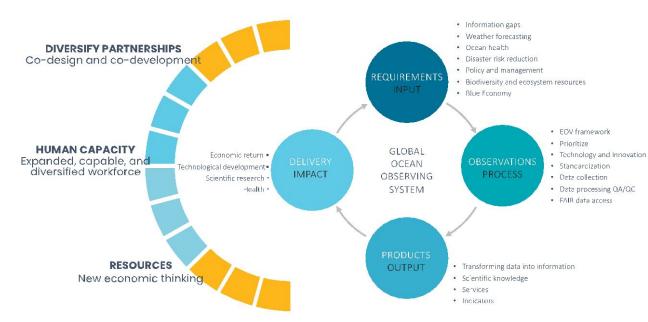
Vision 2030 White Paper



The United Nations Decade of Ocean Science for Sustainable Development (2021-2030)



Expanding the Global Ocean Observing System



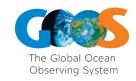
Recommendations include expanding global ocean observation capabilities, the translation of observations into information, fostering diversified partnerships, building a capable and diversified workforce, and emphasising a new economic thinking for resourcing ocean observing



A sustained and sustainable critical ocean observing infrastructure

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

Executive Council 57 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
- 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

Questions?



Election of Co-Chairs



Election of SC Co-Chairs

Volunteers needed

Co-chair responsibilities:

- Chairing GOOS SC meetings
- Representing GOOS at IOC governing body meetings (1 week/year in June)
- Representing GOOS at WMO INFCOM Sessions (½ -1 day/year and INFCOM management group meetings ½ -1 day/ year in person or virtual)
- Co-Chair meetings with IOC secretariat once a month (1h virtual)
- Meetings with GOOS Executive team (90 mins approx. 4 6 times/year)
- Representing GOOS at UNFCCC COP, CBD COP, UN Ocean Conference in 2025, and other relevant international meetings (roles can also be divided across SC members, expertise and location)

Email: Joanna Post (j.post@unesco.org cc e.heslop@unesco.org)



Meetings & Next steps

Quarterly virtual meetings

Next: 19 September (substantive discussions with focus on Evolving GOOS Structure and Governance - consider process to develop proposal for IOC Assembly 2025, consultation etc.)

Dec 2024/Jan 2025

Annual in-person meeting (4 days, generally April)
Week of 7 April provisionally hosted by NIOF (Alexandria, Egypt)







Thank you

goosocean.org















