



Global Ocean Observing System



33rd Assembly

25 June- 3 July 2025

4.5.2 GOOS Steering Committee Workplan

1st July 2025

Dr Balakrishnan Nair

Co-chair of Steering Committee, Global Ocean Observing System (GOOS)
Director, Indian National Center for Ocean Information Services (INCOIS)

GOOS Today

84 countries

8,000+ observing platforms

13 global observing networks
(**+4** emerging)

12 active Biology and Ecosystems EOV
observing communities

>120,000 observations per day

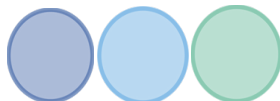
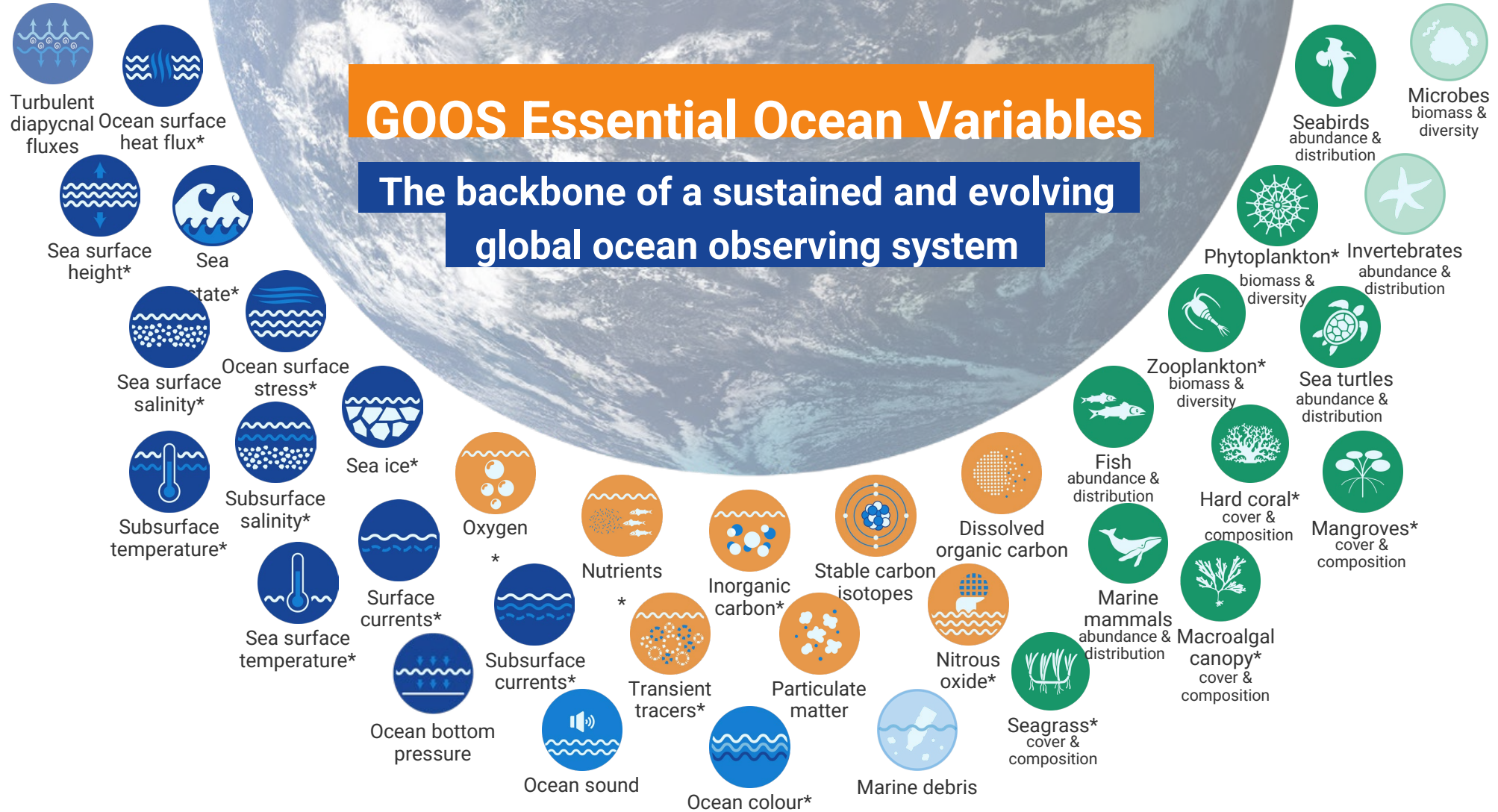
81 National Focal Points

14 Regional Alliances (3 Associate)

**GOOS resourcing is subcritical:
system and coordination**

GOOS Essential Ocean Variables

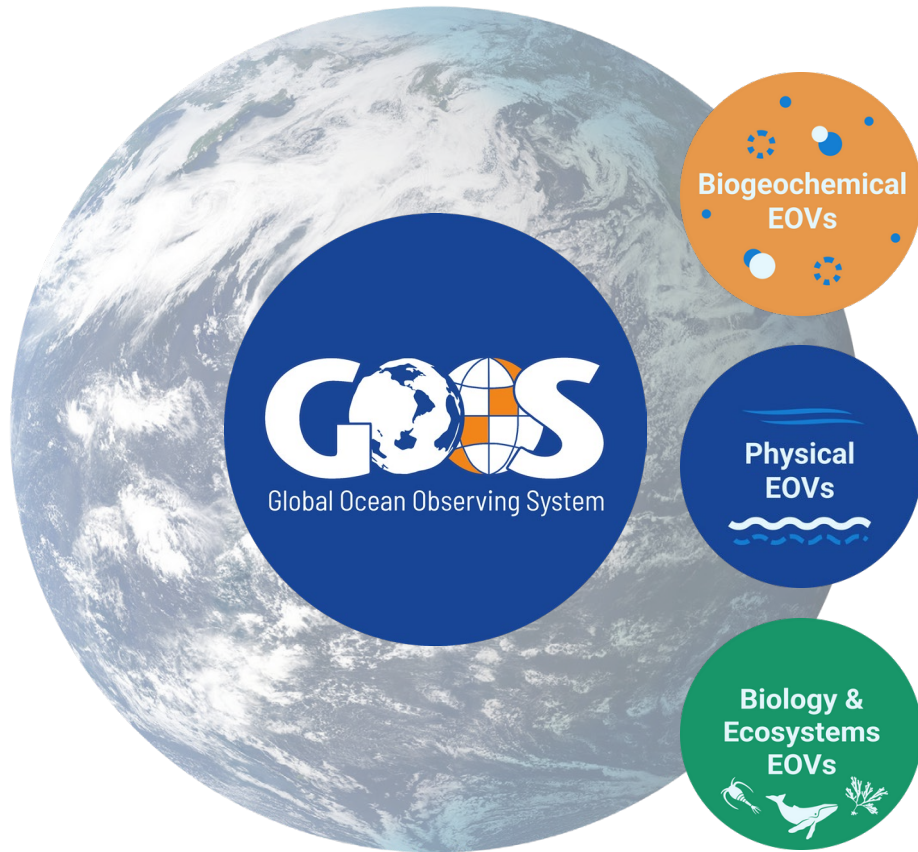
The backbone of a sustained and evolving global ocean observing system



Pilot EOVs

* EOVs also identified as Essential Climate Variables (ECVs)

Foundational data for many multilateral agreements



OPERATIONAL SERVICES

SENDAI FRAMEWORK
FOR DISASTER RISK REDUCTION 2015-2030

Disaster Risk Reduction



Safety at sea, optimised routing, energy optimisation



Tsunami and Harmful Algal Bloom warnings



WORLD
METEOROLOGICAL
ORGANIZATION

Weather forecasting and hazard warnings

CLIMATE



United Nations
Climate Change

Paris Agreement



**Sustainable Ocean Management
SDG 14**

OCEAN HEALTH



Convention on
Biological Diversity

30x30, Global Biodiversity Framework



Plastics Treaty



THE LAW
OF THE SEA

Biodiversity Beyond National Jurisdiction

GOOS Steering Committee

- ✓ Reconstituted the 10 expert members in 2024*
- ✓ New co-chairs appointed in August 2024: David Legler (NOAA, US) & Balakrishnan Nair (INCOIS, India)
- ✓ Five regional representatives elected during A-32 in 2023*
 - Group I: Patrick Gorringer (Sweden)
 - Group II: Vladislav Shaimardanov (Russia)
 - Group III: Matias Sifon (Chile)
 - Group IV: Balakrishnan Nair (India)
 - Group V: Suzan El-Gharabawy (Egypt)
- ✓ Ex-officio members GOOS components and IODE
- ✓ Representatives from sponsors

** The GOOS Steering Committee expert members and regional representatives can serve up to two consecutive two-year terms.*

Nominations for regional representatives (2026-2027) received and will be reflected in decision text.



Dr. David Legler



Dr. Balakrishnan Nair

GOOS Steering Committee



GOOS Steering Committee: Focus 2025-2027



**I. Core
Coordination and
Collaboration**



**II. Observation
system design
and development**



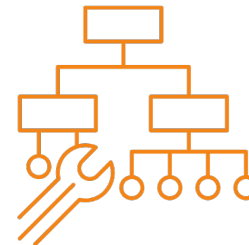
**III. Strengthening
data integration
and delivery**



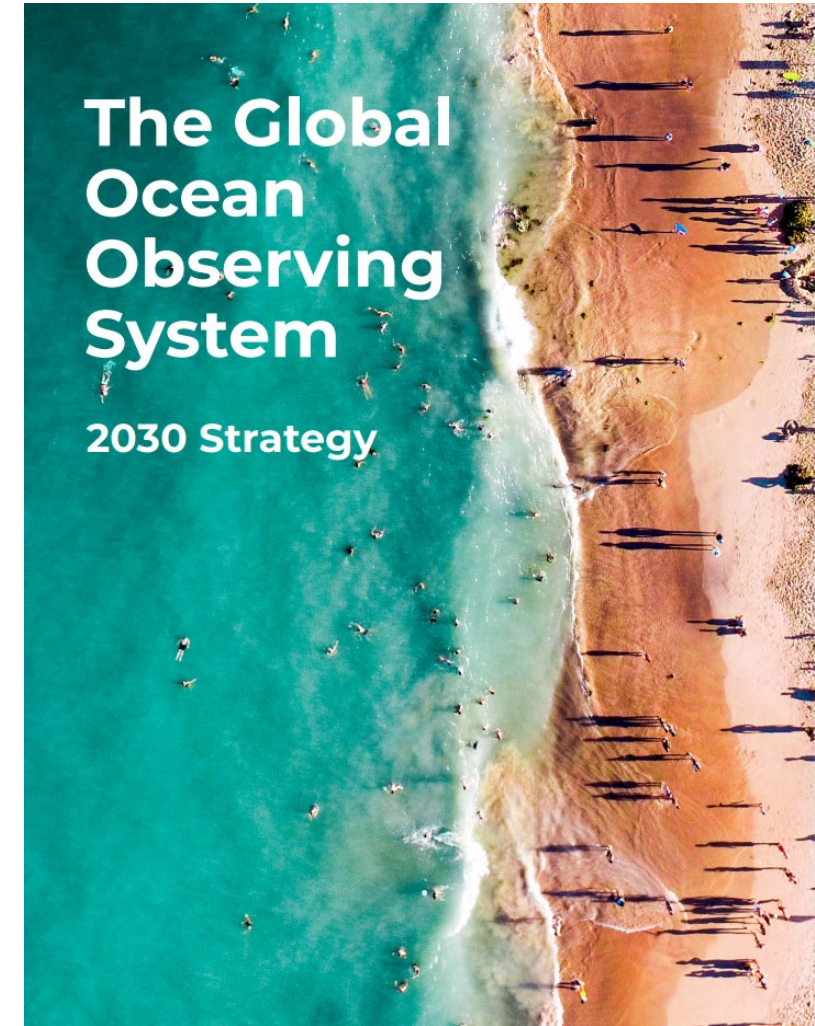
**IV. System
Implementation:
regional/national &
applications**



**V. Outreach,
partners and
communications**



VI. Reform



GOOS SC-14 Report (GOOS-305)
<https://oceanexpert.org/downloadFile/58819>

Key Deliverables (dependent on resource availability)

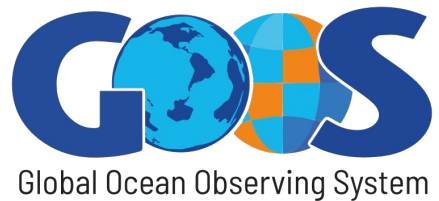
- GOOS biodiversity plan coordinated with OBIS
- GOOS carbon and GHG plan
- International framework of ocean indicators
- WMO Rolling Review of Requirements (RRR) Ocean Earth System Application Category (ESAC)
- IOC-wide data architecture plan and demonstration products
- Support the JCB, including on the WMO GBON
- Prioritised partnerships - e.g. Space4Ocean Alliance, 10 000 ships, Ocean Enterprise Initiative
- GOOS report card and rebranding
- GOOS reform

GOOS is evolving to meet increasing needs of Member States

GOOS invite Member States to support the work plan and implementation of deliverables

GOOS want to increase interaction with Member States

GOOS seek increased exchange on how best the global ocean observing system can evolve including to become a critical infrastructure for disaster risk reduction, sustained ocean economy and policy



Thank you

goosocean.org



Argo Program / Scripps Institution of Oceanography at UC San Diego

