



The Global Ocean Observing System



GOOS National Focal Point Forum

Wednesday 25 October 2023, 13:00 – 16:00 CEST

Meeting objectives

The first 'all hands-on deck' NFP meeting

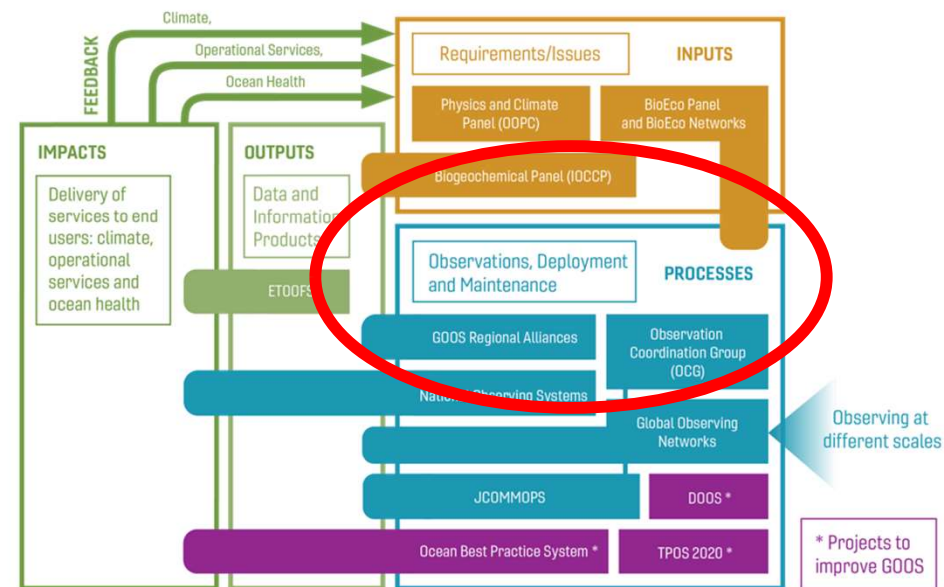


- Opportunity to establish two way dialogue - GOOS-NFPs & between NFPs.
- Discuss the role of GOOS NFPs
- Present communication messages
- Co-develop the NFP role
- Listen to national interests and priorities
- Understand how GOOS can support NFPs



Strengthening national connections

- Main source investment in ocean observing, although fragmented different sources & short-term
- National systems and programmes are already connected in many ways
- **Feedback GOOS Steering Committee - 2018 National connection vital for:**
 - increase in-country coordination
 - request national reports
 - advocacy for long term funding
 - 2-way communication national needs



Importance of the role



Timetable

Time	Agenda item	Speaker
13:00-13:35	Session 1: Introduction and updates on GOOS	Toste Tanhua (GOOS Cochair) Joanna Post (GOOS Director)
13:35-14:20	Session 2: NFPs across the world	Moderator: Venkat (GOOS Programme Specialist)
14:20-14:30	<i>Health break</i>	
14:30-15:00	Session 3: Communication	Laura Stukonyte (GOOS Junior Communications Consultant)
15:00-15:40	Session 4: Developing the Role - GOOS and NFP	Emma Heslop (GOOS Programme Specialist)
15:40-16:00	Next steps, way forward and concluding remarks	Joanna Post (GOOS Director)



Session 1: GOOS, NFP role & key initiatives

Toste Tanhua, GOOS SC Co-Chair

Joanna Post, Director, GOOS Office, IOC/UNESCO

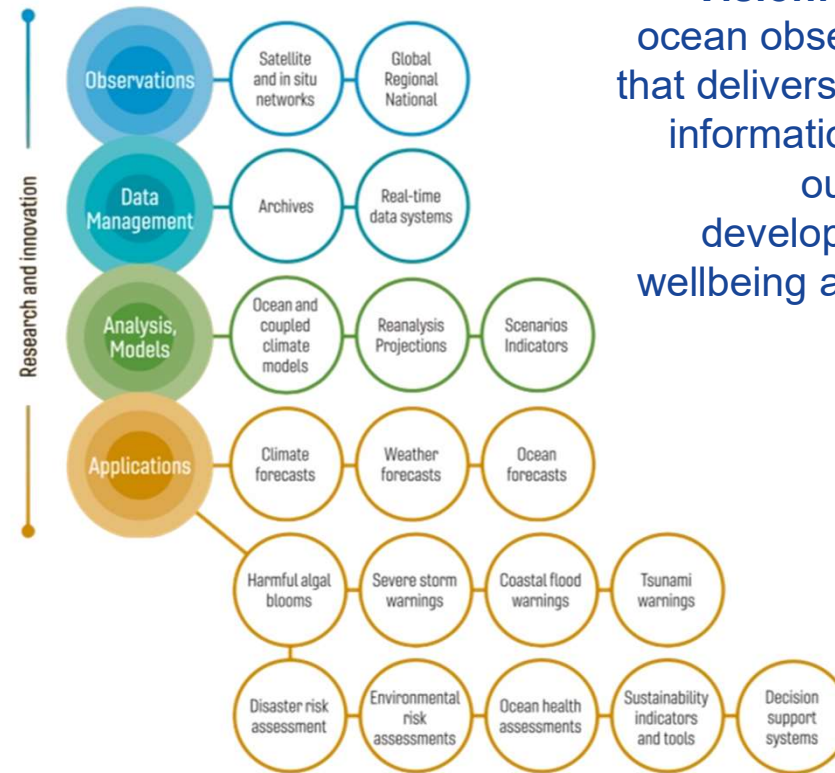


The Global Ocean Observing System

2030 Strategy

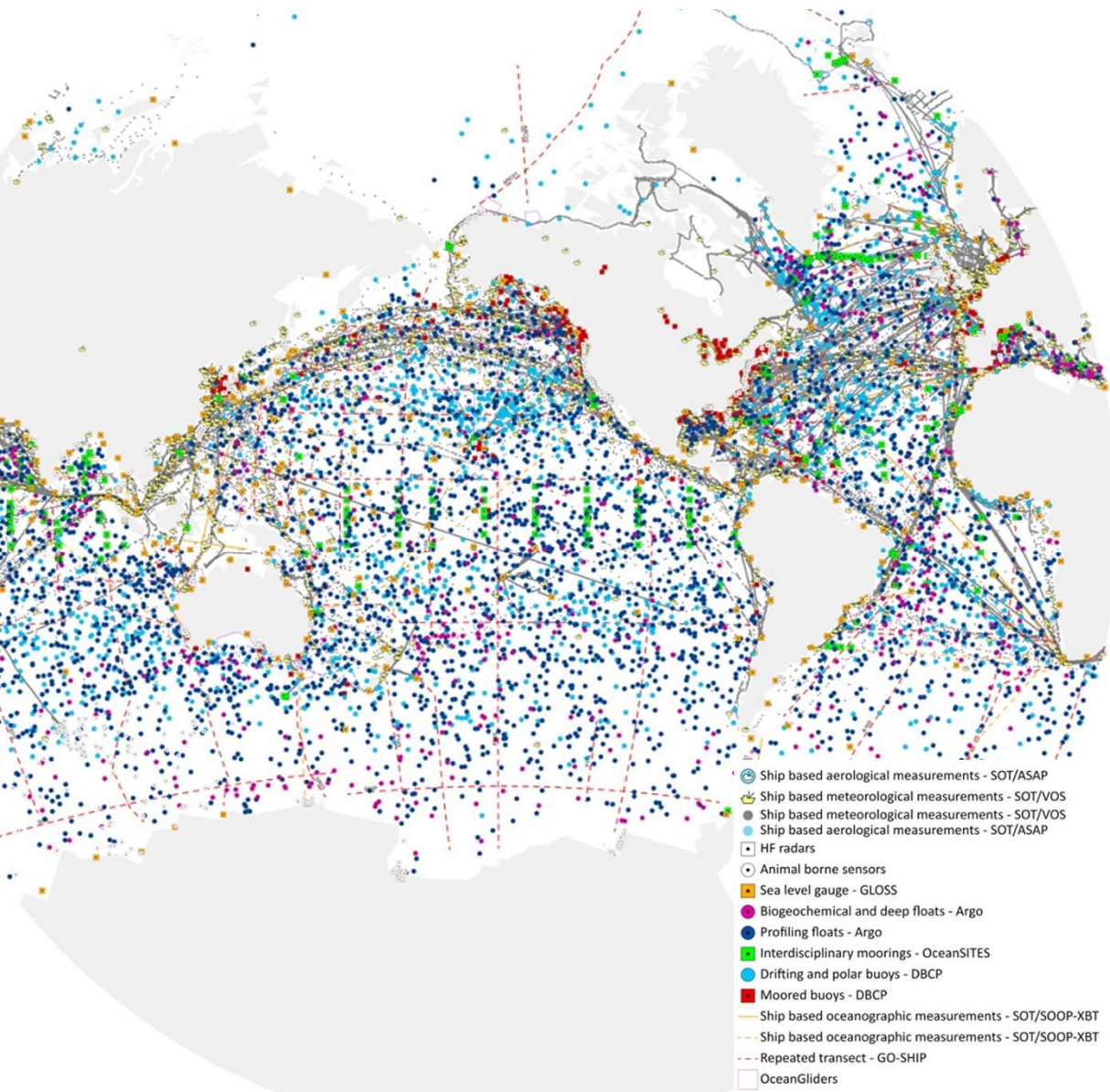
Underpinning a wide range of applications

Vision: A truly global ocean observing system that delivers the essential information needed for our sustainable development, safety, wellbeing and prosperity



Providing global coordination





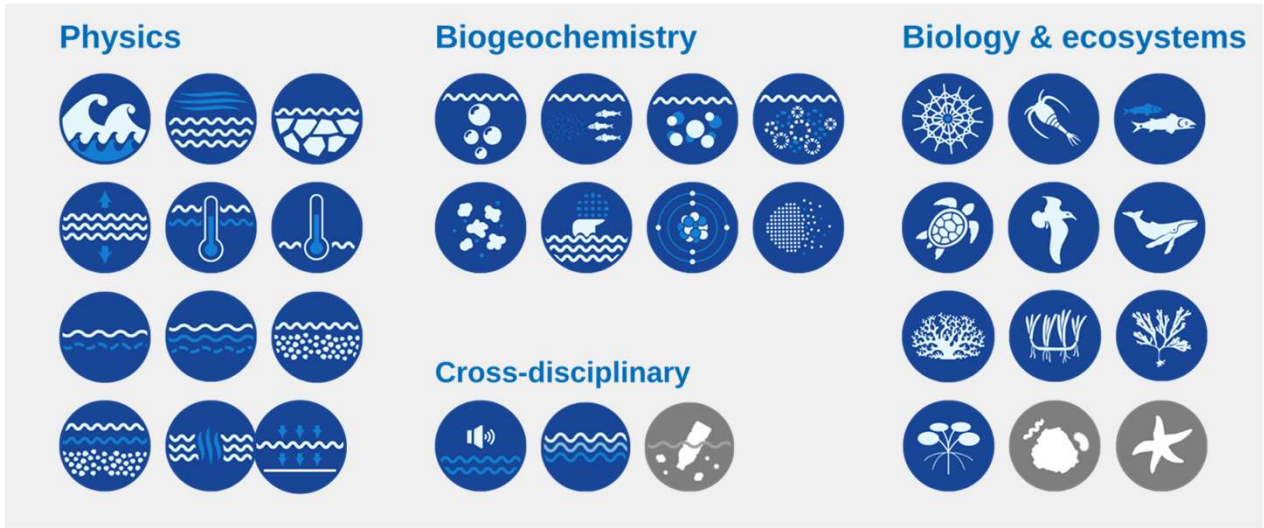
GOOS Today


- 84 countries, 8,700+ observing platforms, 13 global networks
- More than 100,000 observations per day - delivering an accessible, safe and productive ocean
- Global observing networks, e.g. Argo, GO-SHIP, Drifting Buoys, plus emerging networks, e.g., OceanGliders, HF Radar.

“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

35 Essential Ocean Variables (EOVs)

SENDAI FRAMEWORK
FOR DISASTER RISK REDUCTION 2015-2030



 **Convention on Biological Diversity**
Post-2020 Biodiversity Framework



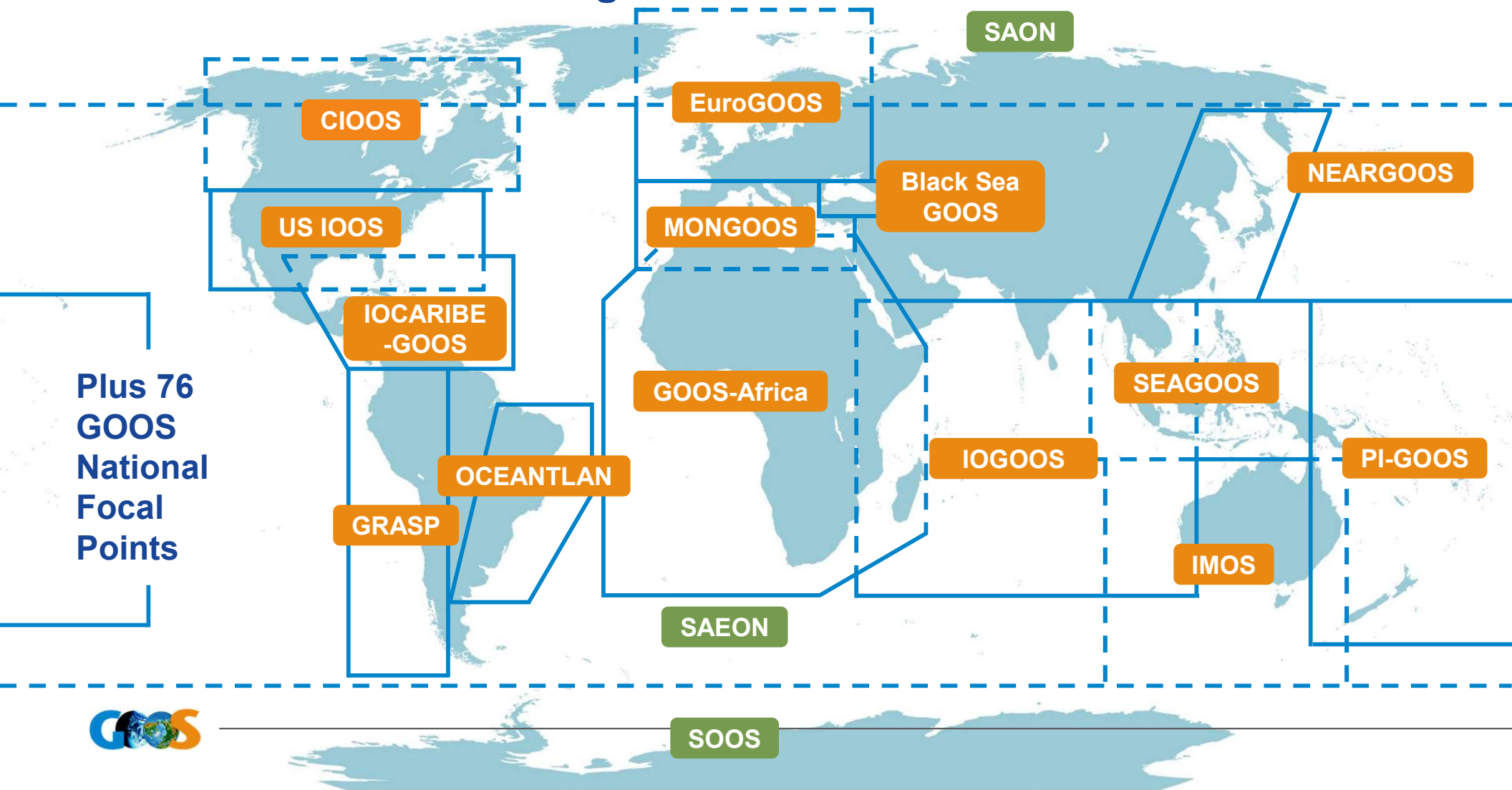
 **United Nations**
Climate Change

 **International Legally Binding Instrument on Plastic Pollution 2024**

 **+ Biodiversity Beyond National Jurisdiction**
THE LAW OF THE SEA

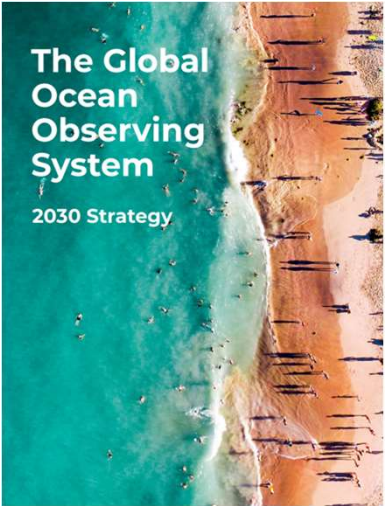


GOOS : Regional & National Alliances



NFP role





An integrated system supporting a wide range of applications



NFP Role

1. Implement GOOS Strategic goals at the national level and help align activities
2. Develop a national hub to coordinate across disciplines and sectors
3. Advocate for national investment in sustained ocean observing
4. Promote strategies that deliver the information users need
5. Create awareness of GOOS work at national level
6. Make sure GOOS is aware of national needs & develop reporting to the IOC
7. Take part in GOOS NFP meetings



Updated [GOOS NFP Terms of Reference](#) approved by the GOOS SC-12



National Focal Point Role



Benefits to Nations

Strengthen planning for a national ocean observing system that is fit-for-purpose, integrated and sustained

Increase opportunities for national activities to align nationally, regionally, and globally, lowering cost, increasing efficiency

Visibility of national ocean observing contribution

Communicate with GOOS around national needs



Benefits to GOOS

National advocates for economic and socioeconomic value of sustained ocean observations

Strengthen national and global ocean observing systems through learning and sharing

Increase ocean observing system efficiency and scope through regional cooperation

Strengthen through alignment of priorities, understanding national needs, towards fit for purpose system



Current key initiatives - GOOS

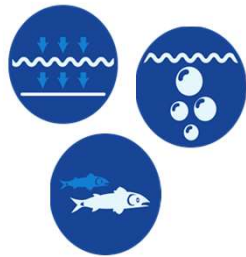


System Integration & Delivery



Structure and Standards

- Essential Ocean Variables (EOVs)
- Best Practices



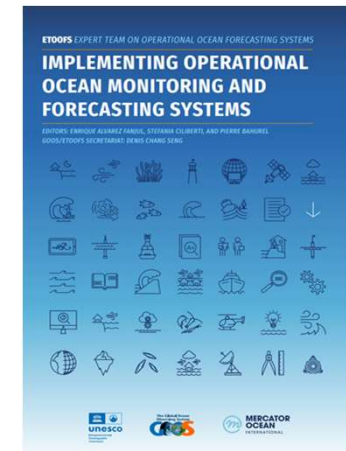
Open Data

- Data Implementation strategy
- [BioEco Portal](#)



Forecasting

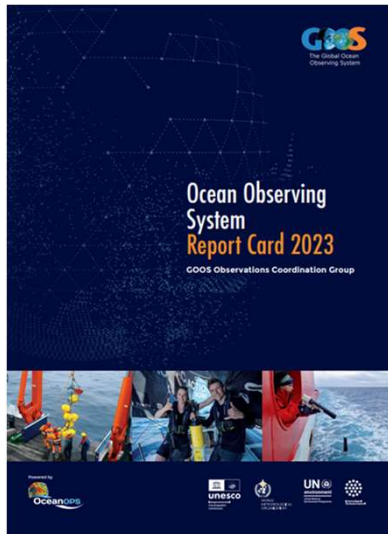
- Operational Ocean Forecasting



Deepening Engagement & Impact



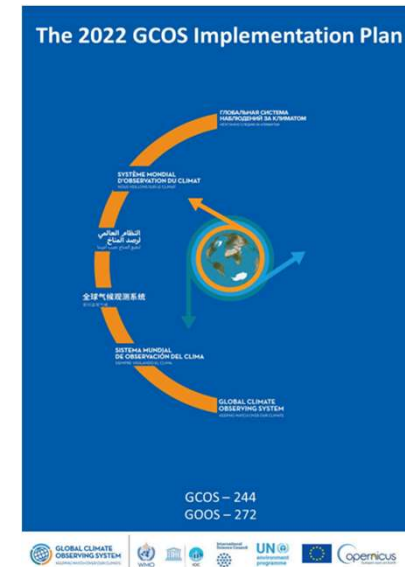
Implementing GOOS Communication Plan



Advocacy within United Nations



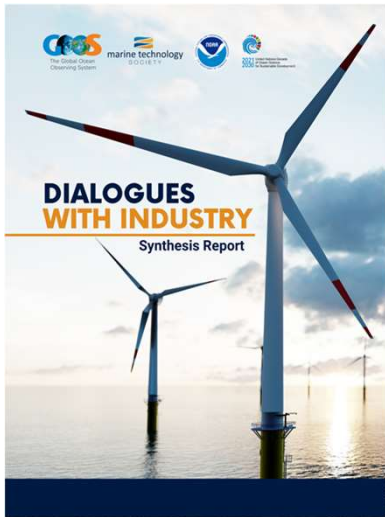
Strengthened partnerships



Building for the Future



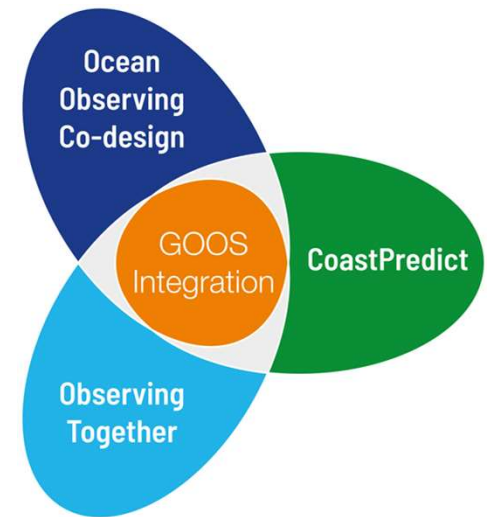
Dialogues with Industry



Marine Debris Observing System



Transformation for the UN Decade



Transformation in the Decade



Ocean Observing Co-Design will develop a more **user-focused co-design process** to evolve a truly **integrated, responsive ocean observing system**.



CoastPredict will revolutionise Global Coastal Ocean observing and forecasting, offering **open and free access** to coastal information and predictions.



GOOS | Ocean Observing Co-Design
by The Global Ocean Observing System

GOOS | CoastPredict
with The Global Ocean Observing System

Co-Design Exemplars

*Each exemplar is at different level of maturity



The Ocean Carbon Cycle

Carbon data to inform climate targets & mCDR



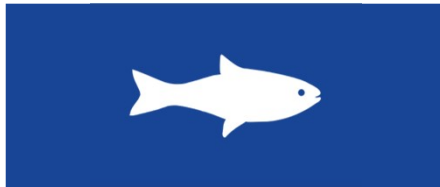
Tropical Cyclones

Advancing cyclone forecasting to save lives & property



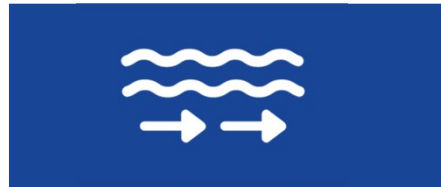
Storm Surge

Improving prediction to minimise impact on vulnerable communities



Marine Life

Conserving marine biodiversity and supporting sustainable use of resources



Boundary Currents

Key current systems that significantly influence productivity, weather and climate



Marine Heatwaves

Monitoring marine heatwaves for biodiversity and economies

CoastPredict implementation

'GlobalCoast' Pilot Sites*

118

Pilot Sites

29

Regions of the
Global Coastal Ocean

227

institutions
in 64 countries



GOOS Steering Committee April 2023

Focus areas for the next period:

- Communications and advocacy
- Regional coordination
- UN Ocean Decade - Co-Design
- Evolving GOOS Governance - key 2023
- Strengthening GOOS core support is absolutely vital

Plus, updated NFP ToRs approved



Questions?

