



The Global Ocean Observing System



GOOS Work Plan 2023-2025

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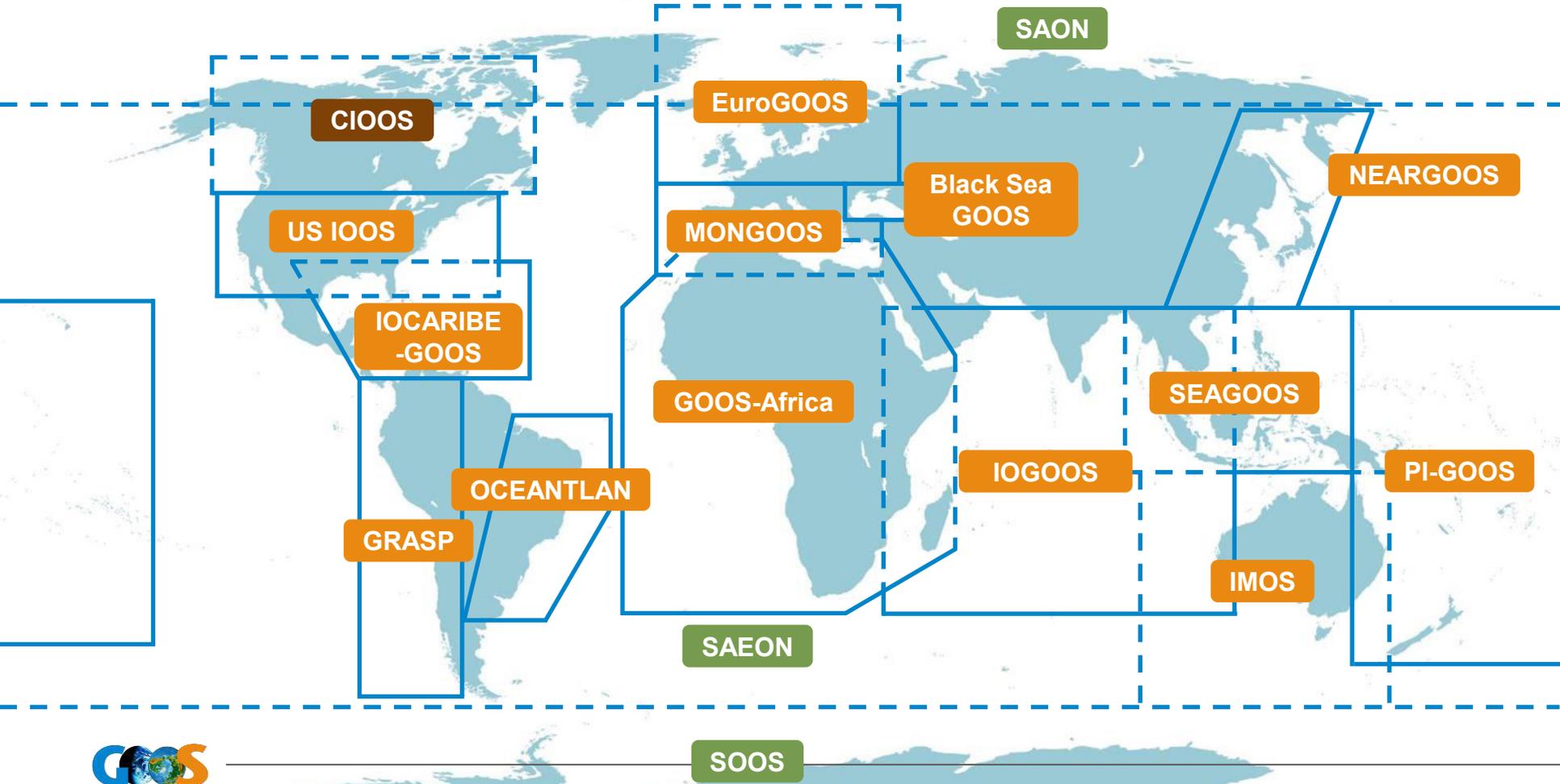
GOOS Co-Chair

Senior Scientist, GEOMAR

Emma Heslop

GOOS Office Acting Director

GOOS : Regional & National Alliances



Welcoming CIOOS

Canadian Integrated Ocean Observing System

Links three major regional hubs:

Atlantic

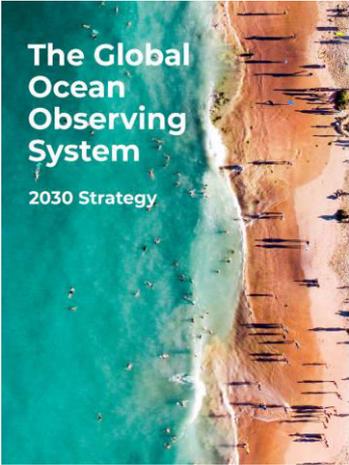
Gulf of St Lawrence

Pacific



CIOOS
CANADIAN INTEGRATED
OCEAN OBSERVING SYSTEM





An integrated system supporting a wide range of applications



System Integration & Delivery



Structure and Standards

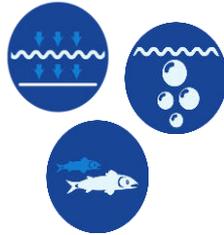
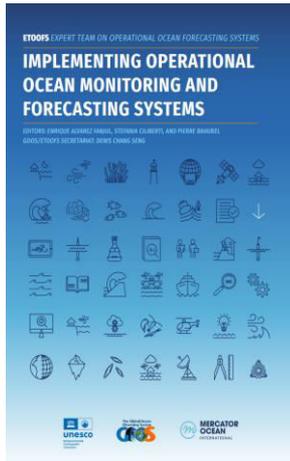
- Operational Ocean Forecasting
- Essential Ocean Variables (EOVs)
- Best Practices

GOOS UN Decade Programmes

- Ocean Observing Co-Design
- Coast Predict
- Observing Together

Open Data

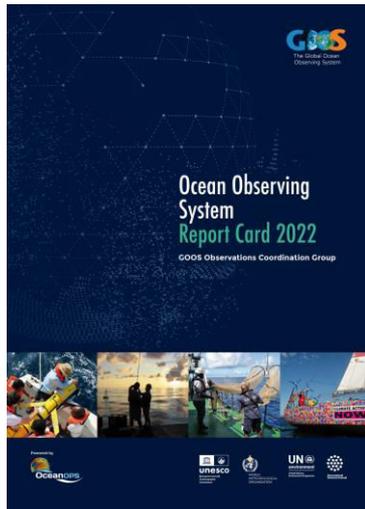
- Data Implementation strategy
- BioEco Portal



Deepening Engagement & Impact



Implementing GOOS Communication Plan

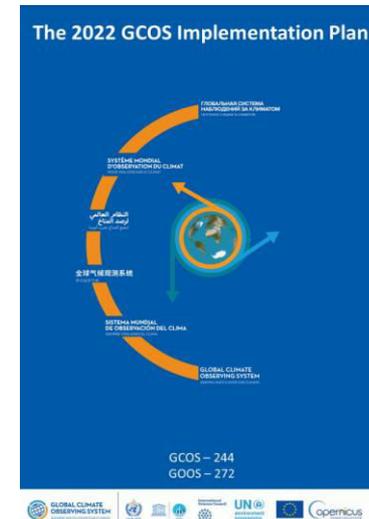


Advocacy within United Nations



2020 UN BIODIVERSITY CONFERENCE
 COP 15 - CP/MOP 10 - NP/MOP 4
 Ecological Civilization-Building a Shared Future for All Life on Earth
 KUNMING - MONTREAL

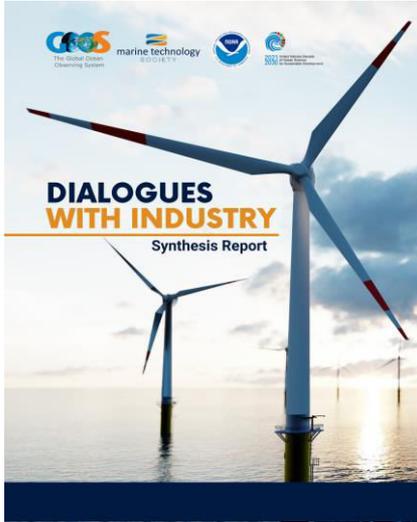
Strengthened partnerships



Building for the Future



Dialogues with Industry



Marine Debris Observing System



UN Decade: Ocean Observing Co-Design

*Each exemplar is at different levels of maturity



The Ocean Carbon Cycle



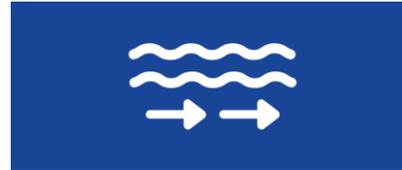
Tropical Cyclones



Storm Surge



Marine Life



Boundary Currents



Marine Heatwaves



GOOS Steering Committee

April 2023

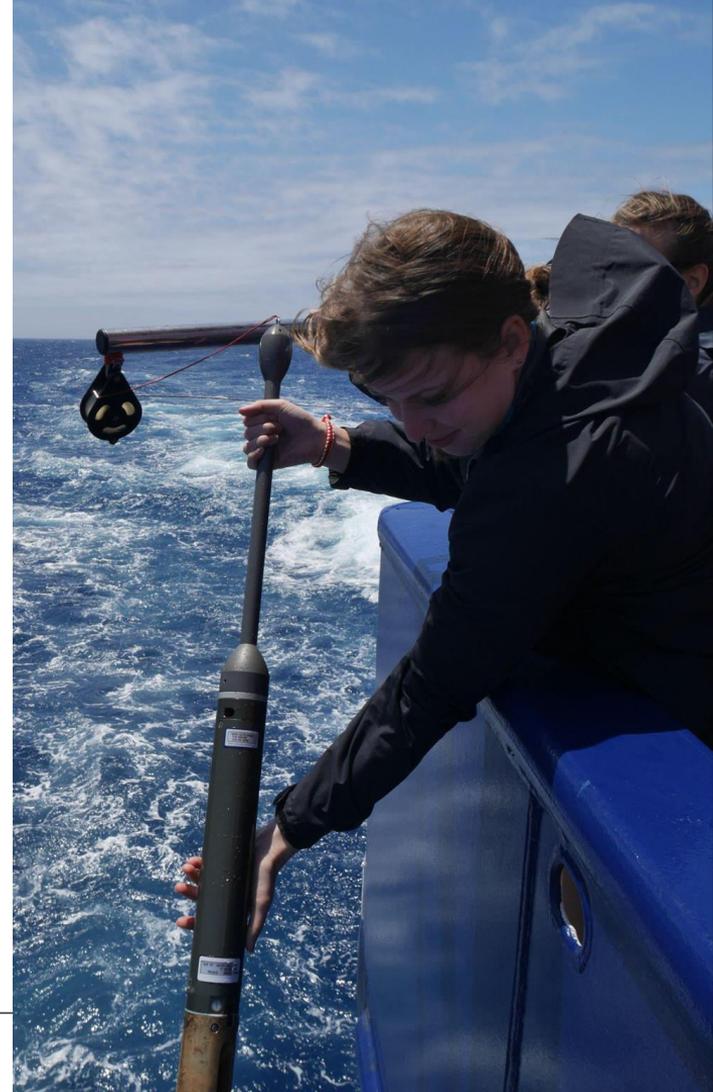


GOOS' Future:

Society requires a **step-change** in ocean observation

- Climate adaptation
- Coastal forecasting and management
- Support governments in managing net-zero
- Report on indicators

Strengthening **core coordination** is an urgent need.



GOOS Support Structure (FTEs)

BioGeoChemical Panel

Now	2024	2026
2	3.5	4

GOOS HQ Office

Now	2024	2026
5.4	10	13

Ocean Obs Physics Climate Panel

Now	2024	2026
1	2	2

OceanOPS

Now	2024	2026
8.5	12	16

ETOOFS

Now	2024	2026
0.25	1	1

Obs Coord Group

Now	2024	2026
2.4	4	4.5

GOOS Regional Alliances

Now	2024	2026
0.25	1	1.5

BioEco Panel

Now	2024	2026
0.8	0.8	0.8

Ocean Decade Total

Now	2024	2026
2	8	10

GOOS Total

Now	2024	2026
20	35	45



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Thank you

goosocean.org

