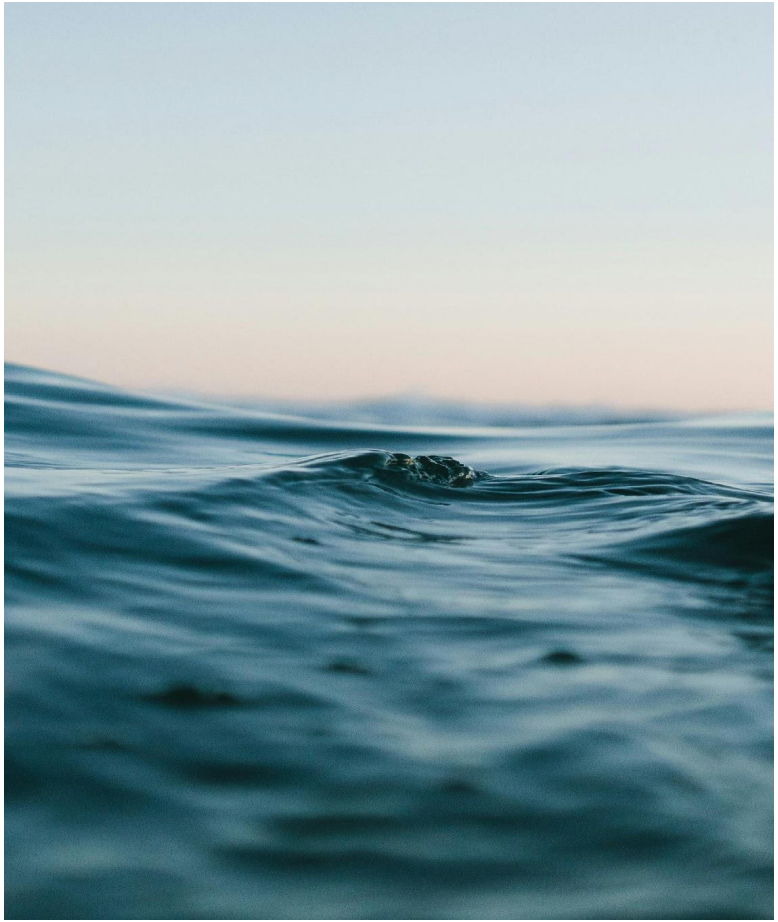
The Global Ocean Observing System

# Session 4:

## Working Session on GOOS 2.0

**Agenda and Working Group Templates**

**14th GOOS Steering Committee meeting (SC-14) | 19-21 February 2025 | Paris, France**



# OBJECTIVE

*Catalyze discussion and opinions on the future role of GOOS 2.0 – wild and woolly ideas to be used as feedstock for the GOOS 2.0 consultancy*

# AGENDA

**01** Expected outcomes of GOOS 2.0 process
09:00 – 09:30 – Joanna, Lovisa, Terry

**02** Crystal ball
09:30 – 10:30

***Break***

**03** What value and who cares?
11:00 – 12:00

**04** Between the Antipodes
12:00 – 13:00

***Lunch***

**05** What are our guardrails?
14:00 – 15:00

**06** Wrap up
15:00 – 15:30

# Exercises 2 and 3

| Last name | First name | Room IX |
|---|---|---|
| SCARDILLI | Alvaro | A |
| HEIMBACH | Patrick | A |
| POST | Joanna | A |
| GALLAGE | Champika | A |
| MARTIN MIGUEZ | Belen | A |
| Ramage | Steven | A |
| PISSIERSSENS | Peter | A |
| GORRINGE | Patrick | A |
| McMahon | Clive | A |

| Last name | First name | Room IX |
|---|---|---|
| SPEICH | Sabrina | B |
| SIFON | Matias | B |
| MCCONNELL | Terry | B |
| NAIR | Balakrishnan | B |
| STUKONYTE | Laura | B |
| FYRBERG | Lotta | B |
| WANG | Yi | B |
| Danaude | Audrey | B |
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| Last name | First name | Virtual |
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| Last name | First name | Room |
|---|---|---|
| CUSACK | Caroline | C |
| Evans | Karen | C |
| LEGLER | David | C |
| Popovici | Anda | C |
| HESLOP | Emma | C |
| TELSZEWSKI | Maciej | C |
| BELBEOCH | Mathieu | C |
| BAHUREL | Pierre | C |

| Last name | First name | Room |
|---|---|---|
| Lemcke | Signe | D |
| FISCHER | Albert | D |
| MAKGATI | Lebogang Neelo | D |
| ALVAREZ | Enrique | D |
| Helgesen | Vidar | D |
| GARCON | Véronique | D |
| McBride | Vanessa | D |
| Demargne | Louis | D |

# Exercises 4 and 5

| Last name | First name | Room IX |
|---|---|---|
| SCARDILLI | Alvaro | 1 |
| HEIMBACH | Patrick | 1 |
| POST | Joanna | 1 |
| GALLAGE | Champika | 1 |
| SPEICH | Sabrina | 1 |
| CUSACK | Caroline | 1 |
| Evans | Karen | 1 |
| Lemcke | Signe | 1 |

| Last name | First name | Room IX |
|---|---|---|
| MARTIN MIGUEZ | Belen | 2 |
| Ramage | Steven | 2 |
| SIFON | Matias | 2 |
| MCCONNELL | Terry | 2 |
| LEGLER | David | 2 |
| Popovici | Anda | 2 |
| FISCHER | Albert | 2 |
| MAKGATI | Lebogang Neelo | 2 |

| Last name | First name | Virtual |
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| Last name | First name | Room |
|---|---|---|
| NAIR | Balakrishnan | 3 |
| PISSIERSSENS | Peter | 3 |
| STUKONYTE | Laura | 3 |
| HESLOP | Emma | 3 |
| TELSZEWSKI | Maciej | 3 |
| ALVAREZ | Enrique | 3 |
| BELBEOCH | Mathieu | 3 |
| Helgesen | Vidar | 3 |
| | | |

| Last name | First name | Room |
|---|---|---|
| FYRBERG | Lotta | 4 |
| GARCON | Véronique | 4 |
| GORRINGE | Patrick | 4 |
| McMahon | Clive | 4 |
| WANG | Yi | 4 |
| Danaude | Audrey | 4 |
| BAHUREL | Pierre | 4 |
| McBride | Vanessa | 4 |
| Demargne | Louis | 4 |

# Crystal ball *(60 mins)*

**Objective: Prepare for multiple possible futures of global ocean observing**

1. **Future scenarios 2035** *– 10 mins*
   - What are the ***possible futures*** of global ocean observing?

2. **Early Signals** *(three scenario stands) – 20 mins*
   - What ***early signals*** tells us this scenario is becoming reality?

3. **Scenario planning** *(break-out) – 30 mins*
   - What is the ***most probable*** scenario? What ***shifts*** are needed to respond to this future?

# Business-As-Usual
# ”Fragmented Observations”

| | |
|---|---|
| **Data** | Reliance on scientific community, aging infrastructure |
| **Governance** | Competing national interests, bureacratic inefficiencies, limited industry involvement (defense, insurance) |
| **Funding** | Unpredictable, dominated by high income countries |

# Transformative
# ”The AI Ocean”

| | |
|---|---|
| **Data** | Radical breakthroughs (AI-powered, quantum modelling), risk of uneven global access |
| **Governance** | Private tech giants, cybersecurity discussed globally |
| **Funding** | Data monetization, privitized commodity |

# Optimistic
# ”One Ocean”

| | |
|---|---|
| **Data** | Global, open-access, seamless, real-time twin oceans |
| **Governance** | Multilateralism thriving, UN-led negotiations |
| **Funding** | Private and public investments in ocean intelligence |

# Exercise 1
# Crystal ball *(three scenario stands) – 20 mins*

What ***early signals*** tells us this scenario is becoming reality?

# Exercise 2
# Scenario planning *(break-out) – 30 mins*

- What is the ***most probable*** *of the three* scenarios?

- What ***shifts*** are needed to respond to this future?

# Exercise 3
# What value and who cares? – *60 mins*

**Objective: Who and what is GOOS today?**

| | |
|---|---|
| **Key partners: Today**<br><br>Who are our key partners today?<br>What are their interests? Expertise? Mandates?<br><br>What are our current relationships? | **User relationships: Today**<br><br>Who are the end users of ocean observations?<br><br>What do they get now?<br><br>What are their desired beneficial outcomes?<br><br>Global, regional and national. |
| **Key activities: Today**<br><br>What activities do our current value propositions require? | **User segments: Today**<br><br>For whom are we creating value? Who are our most important users? |

# Exercise 4
# Between the antipodes – *60 mins*

**Objective: What might GOOS 2.0 look like?**

| **Key partners: Future** | **Who are we?: Future** |
| --- | --- |
| Who should be our key partners in the future?<br><br>What are their interests? Expertise? Mandates?<br><br>What should our future relationships look like? | Who should we be?<br><br>The world's largest ocean observing system? A think tank? Or something inbetween?<br><br>Observing? Data management? Knowledge provider? |
| **Key activities: Future** | |
| What key values should we deliver to our users and partners?<br><br>What activities should our value propositions require? | |

# Exercise 5
# What are our Guardrails? – *60 mins*

**Objective: How might GOOS 2.0 be brought into existence?**

| | |
|---|---|
| **Key resources**<br><br>Can Ocean Observing be declared Critical Infrastructure?<br><br>What key resources do our value propositions require? | **Governance**<br><br>What governance options are available to GOOS?<br><br>What are we allowed to do?  Who are we allowed to be? |
| **Cost structure**<br><br>What costs are hardwired?<br><br>What other costs should we consider? | **Revenue streams**<br><br>Who might pay us?<br><br>Why? For what? |

# **Wrap up** – *30 mins*

Final words of advice for the Consultancy

The Global Ocean Observing System

# Thank you

goosocean.org

unesco
Intergovernmental Oceanographic Commission

WORLD METEOROLOGICAL ORGANIZATION

UN environment programme

International Science Council