

GOOS Steering Committee Meeting XIII

In-person meeting [*optional remote participation*]

14 to 17 April 2024
World Trade Centre, Barcelona, Spain
Room A1

Virtual participation
Join Zoom Meeting

<https://us06web.zoom.us/j/81402959669?pwd=Kxg0Z0TxaXREy8Rvet1bpi0WbYslYi.1>

Meeting ID: 814 0295 9669

Passcode: 895695

DRAFT ANNOTATED AGENDA version 03.04.2024

Objectives

- Discuss progress on GOOS
- Steer priority activities of GOOS
- Examine and explore how co-sponsors and other entities can engage with and support GOOS and vice versa
- Form ambition for digital (data and metadata) across GOOS

Enquiries [see this document]

For substantive enquiries: Joanna Post [j.post@unesco.org], cc Emma Heslop [e.heslop@unesco.org].

For logistical enquiries: Forest Collins [f.collins@unesco.org]

Documentation

Available from 05/04/2024

- GOOS Progress report 2023-2024
- Draft GOOS governance report for EC57 (*agenda item 12*) For comment prior to the SC meeting and for review at the meeting

For review -

- [BioEco Panel Terms of Reference](#) (*agenda item 10*)
- [Arctic Task Team revised Terms of Reference](#) (*agenda item 10*)
- [Decade Challenge 7 Vision White Paper](#) (*agenda item 6*)
- [Draft GOOS Projects procedure](#) (*agenda item 5*)

Additional background documents

- [GOOS OCG Data Strategy](#) (*agenda item 9*)
- [BioEco Panel 1 page Data Backgrounder](#)
- [Steering Committee List of members](#)
- [Ocean Observing Report Card](#)

Guiding Questions for discussions under each agenda item

Included for each agenda item

Proposed action/decision/recommendation

To be decided

Overview Agenda

| Time | Sunday April 14 | Monday April 15 | Tuesday April 16 | Wednesday April 17 |
|--------------|--|--|---|---|
| 9:00-10:30 | | System Integration 4. Updates from key GOOS Components | Deepening engagement & impact 7. Regional and national planning, engagement and support | Building for the Future 11. Five Years into the 2030 Strategy—What Should the Next 5 Years Bring? |
| 10.30-11:00 | | Tea/Coffee break | Tea/Coffee break | Tea/Coffee break |
| 11.00-12:30 | | System integration 5. Proposed procedures and definitions for the management of GOOS projects | Deepening engagement & impact 8. Communications | Next steps 12. Priority activities moving forward |
| 12.30-13:30 | | Lunch break | Lunch break | Close at 13.00 |
| 13.30-15:00 | 13:30: Opening Session SC13 1. Opening Welcome, Introductions and expected outcomes Updates on GOOS Deepening engagement & impact 2. Presentations from co-sponsors | Building for the Future 6. Optimising synergies with the Ocean Decade, and raising awareness and resources | System integration 9. Strengthening operational capacity, metadata and data flow | |
| 15:00-15:30 | Tea/Coffee break | Tea/Coffee break | Tea/Coffee break | |
| 15:30-16:30 | 2. cont | 6. cont... | System integration 10. Updates on TORs of GOOS components | |
| 16.30-18:00 | Deepening engagement & impact 3. GOOS response to mandates for global ocean carbon implementation plan | 17:00 - 18:00 In camera session for SC | 17:00 - 18:00 In camera session for SC | |
| 19:00 | | Group Dinner (at Momo) Carrer Avinyo, 39, 08002 – Barcelona, España | | |

**Sunday, April 14, 2024
[9:00 - 18:00 GMT+1]**

Chair: Joanna

Rapporteur: Otter Al

Call in link: **Join Zoom Meeting**

<https://us06web.zoom.us/j/81402959669?pwd=Kxg0ZoTxaXREy8Rvet1bpiOWbYslYi.1>

Meeting ID: 814 0295 9669

Passcode: 895695

| # | Time | Agenda Item | Presenter | Materials |
|--------------------------------------|---------------|---|--|---|
| LUNCH 60 mins [12:30 - 13:30] | | | | |
| 1 | 13:30-15:00 | Opening Welcome, Introductions and expected outcomes Updates on GOOS | Anya and Toste Joanna Post [in-person] Head of Section OOS Emma Heslop, Program Specialist OOS | Moderator: Toste Rapporteur: Emily Materials: Intro presentation Expected Outcomes Report |
| Coffee break [15:00-15:30] | | | | |
| 2 | 15:30 - 16:30 | Deepening engagement & impact Engagement with co-sponsors | WMO : Albert Fisher (virtual) UNEP : Joanna Akrofi | Moderator: Anya Rapporteur: Emily |
| 3 | 16:30 - 18:00 | Deepening engagement & impact GOOS response to mandates for global ocean carbon implementation plan | Maciej and Adrienne Overview Presentation | Moderator: Toste Rapporteur: Ann |
| Adjourn 18:00 | | | | |

Monday, April 15, 2024
[9:00 - 18:00 GMT +1]

Chair:
 Rapporteur: *Otter AI*
 Call in link:

| # | Time | Agenda Item | Presenter | Materials |
|---|--------------|--|--|---|
| 4 | 9:00 - 10:30 | <p align="center">System integration</p> <p align="center">Updates from key GOOS Components</p> | Overview-Belen Martin Miguez OOPC-Weingdau BGC -Adrienne Sutton BioEco -Gabrielle Canonico OCG -David Legler remote OceanOPS - Mathieu Belbeoch ETOOFS - Enrique Alvarez | Moderator: Anya Rapporteur: Ana |
| Coffee break and group photo [10:30 - 11:00] | | | | |
| 5 | 11:00-12:30 | <p align="center">System integration</p> <p align="center">Proposed procedures and definitions for the management of GOOS projects</p> | Emily Smith [in-person] Projects | Moderator: Toste Rapporteur: Cami |
| LUNCH 60 mins [12:30 - 13:30] | | | | |
| 6 | 13:30-15:30 | <p align="center">Building for the Future</p> <p align="center">Optimising synergies with the Ocean Decade, and raising awareness and resources</p> | Part I <ul style="list-style-type: none"> • WG7 paper-Emma Heslop Part II <ul style="list-style-type: none"> • CoastPredict -Joaquin Tintore • Ocean Observing Co-Design - David Legler (remote) | Moderator: Anya Rapporteur: Emma, Terry and Ann |
| Coffee break [15:30-16:00] | | | | |
| 6 | 16:00- 17:00 | 6 Continued | Part III <ul style="list-style-type: none"> • GOOD/OARS-Kristin • MarineLife2023 -Gabrielle Canonico • OASIS - Meghan Cronin • Overview DCO Ocean | Moderator: Toste Rapporteur: Emma, Terry and Ann Materials: |

| | | | | |
|---|-------------|--|---|--|
| | | | Observing - Terry Mcconnell | |
| | 17:00-18:00 | Executive Session Steering Committee Discussion Session | | |
| Adjourn 18:00 | | | | |
| SC-13 group dinner at Restaurante Momo, Carrer Avinyo, 39, Barcelona [19:00-21:00] | | | | |

| Tuesday, April 16, 2024 [9:00 - 18:00 GMT +1] | | | | |
|--|---------------|--|---|--|
| Chair: Emma Rapporteur: Otter Al | | | | |
| # | Time | Agenda Item | Presenter | Materials |
| 7 | 9:00 -10:30 | Deepening engagement & impact Regional and national planning, engagement and support | Updates from GRA Forum -Carl Gouldman | Moderator: Anya Rapporteur: Alice |
| Coffee break 30 mins [10:30 - 11:00] | | | | |
| 8 | 11:00 - 12:30 | Deepening engagement & impact Communications | Laura and Emmanuela GOOS Comms Update | Moderator: Toste Rapporteur: Forest |
| LUNCH 60 mins [12:30 - 13:30] | | | | |
| 9 | 13:30 - 15:00 | System integration Strengthening operational capacity, metadata and data flow | <ul style="list-style-type: none"> GOOS OceanOPS & OCG Data Implementation Strategy (Kevin, Mathieu) BioEco Panel (Ward, remote) BGC Panel (Veronique) Decade Data Strategy (Kevin) | Moderator: Anya Rapporteur: Ann |

| | | | | |
|-----------------------------------|---------------|---|---|---------------------------------------|
| | | | <ul style="list-style-type: none"> Initial cross-GOOS suggestions (Emma) | |
| Coffee break [15:00-15:30] | | | | |
| 10 | 15:30- 17:00 | System Integration Updates on TORs of GOOS components | Arctic TT update-Craig Lee GOOS projects update- Emily | Moderator: Toste Rapporteur: Alice |
| | 17:00 - 18:00 | Executive Session Steering Committee Discussion Session | | |
| Adjourn 18:00 | | | | |

| Wednesday, April 17, 2024 [9:00 - 13:00 GMT +1] | | | | |
|--|---------------|---|-------------|--|
| Chair: Joanna Rapporteur: Otter AI | | | | |
| # | Time | Agenda Item | Presenter | Materials |
| 11 | 9:00 -10:30 | Building for the Future Five Years into the 2030 Strategy—What Should the Next 5 Years Bring? | Emma Heslop | Moderator: Joaquin Rapporteur: Cami |
| Coffee break 30 mins [10:30 - 11:00] | | | | |
| 12 | 11:00 - 13:00 | Next steps Priority activities moving forward | Joanna Post | Moderator: Suzy Rapporteur: Emily |
| Official End of Meeting Adjourn 13:00 | | | | |

Annotated Agenda

DAY 1 – Sunday 14 April 2024 (13:30-18:00)

| | |
|--|--------------------------|
| Opening Session 13.30-15.00 | Moderator: Toste |
| 1. Opening | Rapporteur: Emily |

1.1. Welcome (60 min)

- Welcome
- Introductions
- Expected Outcomes

1.2. GOOS Updates (30 min)

- Presentation - Updates on GOOS, Joanna Post

Q&A

COFFEE BREAK - 15:00 - 15:30

| |
|---|
| Deepening engagement and impact. Contact: Joanna 15.30-16.30 |
|---|

| |
|---------------------------------------|
| 2. Engagement with Co-sponsors |
|---------------------------------------|

| |
|--|
| <i>GOAL: Sponsors identify key areas for supporting GOOS</i> |
|--|

- | |
|--|
| <ul style="list-style-type: none">• Presentation on how to strengthen engagement to/with GOOS<ul style="list-style-type: none">o IOC,o WMO-Albert Fisher (<i>remote confirmed</i>)o UNEP-Joanna (<i>confirmed</i>) |
|--|

- | |
|--|
| <ul style="list-style-type: none">• Discussion |
|--|

Guiding Questions:

- What does your sponsorship mean for GOOS?
- How can interaction with GOOS community be facilitated?
- What are the current and upcoming areas for engagement?

| |
|--|
| <i>Proposed action/decision/recommendation</i> |
|--|

**Deepening engagement and impact. Contact: Maciej and Adrienne (GOOS BGC Panel)
16.30-18.00**

3. GOOS response to mandates for global ocean carbon implementation plan

GOAL: Proposal to develop a coherent GOOS Ocean Carbon (observations) Implementation Plan in response to mandates from our sponsors

- Setting the scene: overview of relevant mandates:
 - [Overview presentation](#) by GOOS BGC Panel - Maciej and Adrienne (confirmed)
 - Unpacking the mandates driving the need for GOOS to have a carbon implementation plan: [GCOS IP 2022](#), [WMO G3W Implementation Plan 2024](#), [IOC Integrated Ocean Carbon Research Report 2021](#)
 - Draft zero draft of the table of content (ToC), mainly focused on general scope
 - mode of operation (process and activities) and timeline
- Guiding questions
 - Is the proposed plan needed? How should we develop the timeline and draft ToC?
 - What is the right balance between focus on research (if any) and services?
 - Who are the key partners for such a document?
 - What is the role for the Co-Design Carbon Exemplar in developing the GOOS Ocean Carbon Implementation Plan?

Proposed action/decision/recommendation

DAY 2 – Monday 15 April 2024 (09:00-18:00)

System Integration Belen, Karen, and Adrienne

09.00-10.30

Updates from GOOS Components

GOAL: Updates from key GOOS components, discussion on issues raised

- Presentations from each component (except GRAS, as this is covered in Session 7).

- o Brief update from Cross-Panel session previous day - Belen (Confirmed) - 10 minutes
- o Expert Panels - 3 x PPTs and discussion - 40 minutes -1) achievements, important new initiatives, how component work is evolving, 2) Three main challenges, issues, or questions for SC to discuss.
 - OOPC-Sabrina
 - BGC-Adrienne
 - BioEco-Gabrielle (confirmed)
- o Implementers (3 x PPTs and discussion - 40 minutes)
 - OCG-David Legler remote
 - OceanOPS- Mathieu Bel
 - ET00FS - Enrique??
- Discussion

Proposed action/decision/recommendation

COFFEE BREAK and GROUP PHOTO - 10:30 - 11:00

System Integration. Contact: Emily

11.00-12.30

5. Proposed procedures and definitions for the management of GOOS projects

GOAL: Procedure for systemizing GOOS projects, including integration into GOOS infrastructure

- Presentation by ~Emily (confirmed)
 - o [GOOS Projects analysis and proposal](#)
- Discussion
 - To recommend actions

Proposed action/decision/recommendation

LUNCH BREAK - 12:30-13:30 [60 mins]

Building for the Future. Contacts: Emma, Terry and Ann

13:30-17:00 (with break)

6. Optimising synergies with the Ocean Decade, raising awareness and resources

GOAL: Vision for GOOS UN Decade Legacy

GOAL: Opportunities for GOOS resource mobilisation

GOAL: How can we integrate the Programmes and the DCO to achieve transformation and legacy for the ocean observing system?

3 Sessions of 1 hour, with a break for coffee

Part 1: The Decade Conference on Challenge 7 Vision

Moderator: Terry

Rapporteur: Ann

- The WG7 Vision Paper and how it was received at the Conference, what are the priorities? - 20 minutes - Emma Heslop (*confirmed*)
- Discussion
 - GOOS - 2: Post 2030: What trends/priorities are visible in the Ocean Decade, how do we respond/start to position ourselves for this?

Part 2: Updates on GOOS Decade Programmes: Assessment of progress towards goals, challenges and opportunities, long term transformation and/or addition to GOOS.

Moderator: Emma

Rapporteur: Terry

- CoastPredict - 10 mins PPT - Joaquin Tintore (*confirmed*)
- Ocean Observing Co-Design - 10 minutes - David Legler (remote) (*confirmed*)
- Discussion
 - What is our assessment of progress in the Ocean Decade - does it meet expectations?
 - How can the programs be better integrated with GOOS now, and how can their work become embedded within GOOS to evolve/transform GOOS?

Coffee break 30 minutes

16:00 - 17:00 approx.

Part 3: Interaction with other ocean observing Decade Programmes: progress, challenges and opportunities, long term transformation and/or addition to GOOS. The GOOS Decade

Coordination Office for Ocean Observing, role, work across the 11 Decade Programmes, and work within the Ocean Decade.

Moderator: Ann

Rapporteur: Emma

- GOOD/OARS - 5 mins TBC (remote?)
- MarineLife2023 - 5 mins - Gabrielle Canonico (confirmed)
- OASIS - 5 mins - Meghan Cronin (confirmed, remote)
- Overview 11 Programmes under the DCO Ocean Observing - 10 mins - Terry (confirmed)

- Discussion
 - What is our assessment of progress in the Ocean Decade?
 - How do we respond to other Ocean Observing Decade Programmes under the DCO - many are connected to GOOS - for example could we nominate focal points?
 - How to continue leveraging the DCO and its work across the programmes and the Ocean Decade - what unique role can it play to support GOOS in the Ocean Decade?

Proposed action/decision/recommendation

Seeking guidance for:

Guidance with regard to the Vision White Paper and its recommendations for goals to expand the ocean observing system within the Ocean Decade - how does GOOS respond?

GOOS Programmes - work plan, connections, and integration of outcomes

Support/integration with other Ocean Decade Programmes - through the DCO, focal points in GOOS?

Advancing the strategic work of the DCO within the Ocean Decade, using the opportunity and connections within the Ocean Decade to advance the ocean observing system

17.00-18.00

Steering Committee Discussion Session

Executive Discussion Session (TBD)

SC 13 OPTIONAL GROUP DINNER - 19:00-21:00

DAY 3 – Tuesday 16 April 2024 (09:00–18:00)

Deepening engagement and impact. Contacts: Emily and Ting (online support)

9:00–10:30

7. Regional and national planning, engagement, & support

GOAL: Options for building capacity and support particularly in IOGOOS, GOOS Africa, PIGOOS and IOCARIBE

- Presentations
 - Updates from GRA Forum–Carl Gouldman, GRA Chair (*confirmed*)
 - Discussions on connections with NFP and other between GRAs
 - Discussion on connections with Projects, Panels and Networks
 - What are the priorities in respective GRA/regions/member states on ocean observing?
- Discussion
 - What advice can you give to the GRAs as they are revising the Regional Policy including how to incorporate NFPs more effectively?
 - How do we work – Which initiatives/projects would you like to see be more engaged/highlighted in ocean observation and related services in the respective GRA/regions?
 - Any recommendations on mechanisms to ensure active participation and representation from member states/countries?

Proposed action/decision/recommendation

COFFEE BREAK - 10:30 - 11:00

Deepening engagement and impact Contacts: Laura and Emanuela

11:00–12:30

8. Communications

GOAL: Identify messaging needs and components needed to optimise report card to be flagship product from GOOS for Member States and others

- Presentation Laura (*confirmed*) and Emanuela (*remote, confirmed*)
 - Update on GOOS Comms and plans for 2024 (messaging, branding) Update on Report Card (noting one will not be available for 2024)
 - Intentions for providing consistent messaging for GOOS
- Discussion
 - Feedback on plans for 2024

- o How does the SC use the Report Card, what did they find useful, how they would like to see it
- o Consistent messaging about GOOS - how do we describe ourselves? What are the key elements we want to tell about GOOS?
- o If you were a new steering committee member, what would have been helpful in terms of messaging about GOOS?
- o What topics could be useful to have GOOS position on?

Proposed action/decision/recommendation

LUNCH BREAK - 12:30-13:30

System Integration Contacts: Emma, Mathieu, Kevin, Ward, Karen, Gabrielle, Veronique (and Nico Lange online)

13.30-15.00

9. Strengthening operational capacity, metadata and data flow

GOAL: Strategy for digital (metadata and data) ambition across GOOS and along the value chain for FAIR data delivery

- Presentations (4/5 slides - perspectives on current status, gaps, envisioned action & how to connect across GOOS)
 - o GOOS OceanOPS & OCG Data Implementation Strategy (Kevin O'Brien, Mathieu Belbeoch) **confirmed**
 - o BioEco Panel (Ward Appeltrans, remote) **confirmed**
 - o BGC Panel (Veronique Garcon) **confirmed**
 - o Decade Data Implementation Strategy (Kevin O'Brien) **confirmed**
 - o Initial cross-GOOS suggestions (Emma Heslop) **confirmed**
- Discussion
 - o Can we agree a strategic ambition across GOOS, e.g. characteristics of a GOOS digital ecosystem - connected to global systems
 - o Can we identify/define elements of the work
 - o What will we need to support future ambition?
 - o How do we label, map, support EOVS products, indicators, GOOS branding along the on data value chain such that GOOS data is visible in a 'data lake'?
- Background docs
 - o [OCG Data Implementation Strategy](#)
 - o [BioEcoPanel 2 Page Backgrounder](#)

- Discussion
 - Can we agree a strategic ambition across GOOS - characteristics of a GOOS digital ecosystem - connected to global systems
 - Define elements of work - e.g. OCG-BioEco-national systems (through ODIS/national nodes - data strategy) data on existing platforms, technical what possible/what efficient, schema/who does what, metadata and data flows, integrated and connected system
 - What will we need to support future ambition - envision a supported infrastructure and to lead the cross vision ask for a high level loan 18 months to lead this - e.g. Kevin, CIOOS, IMOS, IOOS...????
 - how do we label, map, support - EOV products, indicators, goos branding along the on data value chain such that it is visible in a 'data lake'

Proposed action/decision/recommendation

COFFEE BREAK 15:00-15:30

System Integration Contacts: Belen and Emily 15.30-17.00

10. Updates on ToRs of GOOS components and GOOS Projects.

GOAL: Procedure for optimizing GOOS structure including TORs for GOOS components

- Presentations:
 - BioEco Panel Terms of Reference (already presented at last intersessional meeting)
 - Arctic Task Team Terms of Reference - 2-3 factual slides introducing revisions Craig Lee (*remote, confirmed*)
 - Synthesised Report on Projects - Emily and project leads
- Discussion
 - Adopt updated TOR on BioEco and Arctic TT ToRs
 - Discuss issues raised by and across the GOOS Projects (PPT)

Proposed action/decision/recommendation

Decision: GOOS SC has considered the TOR presented and adopts them

17.00-18.00

**Steering Committee Discussion Session
Executive Discussion Session (TBD)**

ADJOURN - DAY 3

DAY 4 – Wednesday 17 April 2024 (09:00-13:00)

Building for the Future Contact: Emma

9:00-10:30

11. Five Years into the 2030 Strategy—What Should the Next 5 Years Bring?

GOAL: Next steps for GOOS Strategy, ambition and KPIs

- Overview PPT (Emma)(confirmed)
 - Update including on feedback from Ocean Sciences Conference Town Hall, including:
 - coordination with satellites community
 - Building operations focused framework and infrastructure
 - Suggestions arising from SC-13 Progress Report - next steps for implementing the GOOS Strategy
 - Key events - for making GOOS/ocean observing visible
- Discussion
 - What are the key high level events in the next 18 months, who are the key partners, key messages
 - What are key elements to connecting the GOOS operational and digital infrastructure

Proposed action/decision/recommendation

COFFEE BREAK - 10:30 - 11:00

Closing Session Contact: Joanna

11:00-13:00

12. Priority activities and next steps

GOAL: Review governance report prepared for EC57 and summarize outcomes from the SC meeting

Presentations

- Looking towards EC57 - GOOS Governance report

Discussion

- Review of the document

Closing presentation

- Key deliverables identified at the SC meeting

Proposed action/decision/recommendation

Close at 13.00

Closing of SC-13

Note: This agenda item can be modified based on the specific needs and focus of the meeting. The format, duration, and topics can be adjusted as needed.