# GOOS Steering Committee Eighth Meeting

*Wednesday-Friday 1-3 May 2019*

GEOMAR West shore campus, Düsternbrooker Weg 20, Kiel, Germany

Documents available for download on meeting website: [goosocean.org/goos-sc-8 »](http://goosocean.org/goos-sc-8)

# Agenda

*Version 1 (12 April 2019)*

**Meeting objectives:**

* Identify near-term plans to improve implementation by Strategic Objective across GOOS structures and with partners, in particular:
	+ Strengthen partnerships for delivery
	+ Advocacy and communication
	+ Implement and promote best practice
	+ Open data
	+ Guide capacity development
	+ Champion effective governance
* Work on the integration of the legacy of GOOS projects, including on evaluation and observing system design
* Provide feedback to GOOS panels, the OCG and GRAs
* Identify resource implications, priorities, and opportunities
* Plan for renewal of SC membership

***Overview timetable***

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| --- | --- | --- | --- |
|  | *Wed 1 May***Strategy & evolution** | *Thu 2 May***Implementation & opportunities** | *Fri 3 May***Implementation planning** |
| *morning* | 1. Opening2. Strategy review3. Implementation planning (IP): introduction4. Sponsor views5. Disbandment of JCOMM and implications for GOOS | 8. GOOS panels, OCG, and GRA reporting and advice | 10. IP focus (cont'd): * open data
* best practice
* partnerships
* advocacy/ comms
 |
| *lunch* |  | *12:08 Ferry to East shore campus* |  |
| *afternoon* | 6. Projects legacy 7. Ocean observing governance and OceanObs'1911. GCOS partnership | Public lectures on the Decade of Ocean Science for SD and GOOS9. GEOMAR perspectives: AtlantOS and the OSCM*16:54 return ferry*10. IP focus: Guide CD | 11. IP focus: overall resourcing12. SC renewal13. Review of past actions14. Review of actions*end of meeting at 4 pm* |

*Wednesday 1 May 2019*

# Day 1: Strategy and evolution

## 1. Opening

The 8th meeting of the GOOS Steering Committee (SC) will open at 9 am on Wednesday, 1 May 2019. Please note this is a holiday in Germany and so public transport will be on a reduced schedule.

## 2. Strategy review *(30 min)*

* *Document:* Global Ocean Observing System 2030 Strategy including IOC and WMO annexes
* *Document:* launch plan

Reminder of the broad vision, specific mission, and Strategic Objectives; and discussion of the launch plan for the Strategy.

## 3. Implementation plan: introduction *(30 min)*

* *Document*: Draft GOOS Implementation Plan

The GOOS Implementation Plan, aligned with the ambitious Global Ocean Observing System 2030 Strategy, focuses on near-term plans of the structures within the GOOS program. It will be an evolving document, and we aim to finalize a first detailed draft by OceanObs'19 in September. A high-level version, with overall resourcing, will be submitted for approval to the IOC Assembly. This quick introductory session will set the stage for more detailed discussions on implementation of specific objectives under item 10.

## 4. Sponsor views*(40 min of presentation, 20 min roundtable discussion)*

How GOOS sponsors view the Strategy and its Implementation Plan, how they see their role in supporting implementation, and how can GOOS support the objectives and engage in the work of each of its formal sponsors, creating a working partnership.

**4.1 IOC/UNESCO** - including links to the Decade of Ocean Science for Sustainable Development - *Vladimir Ryabinin (Executive Secretary, IOC/UNESCO)*

**4.2 WMO** - including the new WMO structure, the Earth System approach to observing in WIGOS, and ocean observations for weather and climate services - *tbc*

**4.3 UN Environment** *- written input from Hartwig Kremer*

**4.4 International Science Council** - *Martin Visbeck (GEOMAR, member of ISC Governing Board)*

**5. Disbandment of JCOMM and implications for GOOS**
*(45 min)*

* *Reference Documents:* Report of the co-chairs of the Joint WMO-IOC Consultation Group on the Future of JCOMM, and Draft Resolution creating a new Joint WMO-IOC Collaborative Board

The WMO and IOC foresee the disbanding of JCOMM after a transition period in 2020, with GOOS taking on sponsorship of the Observations Coordination Group and its observing networks (elevated from its previous level of reporting), and the work of the Expert Team on Operational Ocean Forecast Systems. Functional connections to WMO structures and processes regarding the definition of observing requirements, negotiation of observing system design in response to those requirements, flow into real-time data systems and forecast systems, and feedback from operational providers of weather, marine and climate services, as well as climate research, will need to be created. This development will need to be created in a spirit of mutually beneficial partnership. The SC will discuss the opportunities and challenges created by the coming changes.

## 6. Projects legacy*(60 minutes)*

* *Document:* Capturing the legacy of GOOS projects
* *Reference documents:* AtlantOS Vision document, TPOS 2020 Second Report

The AtlantOS project funded by the European Commission will formally end in late 2019, with a vision to launch an All-Atlantic Ocean Observing System (AtlantOS) as a program. TPOS 2020 has published a second report focused on a proposed future design of the Tropical Pacific Observing System, and will turn in its final year to considering the future long-term system organization needed.

The SC will consider how aspects of definition of requirements, observing system design, regional organization of observing systems, and connection to delivery partners, should be coordinated between projects and the ongoing (and new) structures of GOOS.

## 7. Ocean observing governance

*(90 min)*

* *Document:* Background document for the governance workshop

Trying to implement the Framework for Ocean Observing in the last 7 years, and the preparation to engage with the legacy and outcomes of regional/basin-scale projects like AtlantOS and TPOS 2020 raise a number of issues.

The new Global Ocean Observing System 2030 Strategy demands a step change in the level and effectiveness of partnerships across the scientific and end-user communities. It will also need a deep commitment to building human capacity and a more multi-disciplinary observing system capability.

GOOS has the objective to champion effective governance of the ocean observing system. Activity in global, basin-scale, and regional coordination, and the link to national ocean observing systems where funding is sourced, remains a *'bricolage'* that has evolved over time.A centralized hierarchical system to govern ocean observing is essentially unthinkable, and governance theory suggests another architecture of polycentric decision-making can have its advantages.

GOOS is helping to prepare for a broad discussion and future action to improve ocean observing system governance, with a few milestones: a 30 April workshop with partners, a consultation at the GOOS Regional Forum (5-7 August), a direct consultation with its sponsors planned for August, and a community consultation in a session at the OceanObs'19 conference. This session will allow the SC to review and add to the outcomes of the governance workshop, and input into the planned process of discussion with community and funders of the observing system.

*Thursday 2 May 2019*

# Day 2: Implementation and opportunities

## 8. GOOS panels, OCG, and GRA reporting and advice *(2 hours)*

The GOOS Panels, the Observations Coordination Group, and the GOOS Regional Alliances each have a detailed work plan and objectives. They will report briefly on their activities and accomplishments of the past year, with a look to the future, including resourcing opportunities and challenges. The SC will be asked to provide feedback, and use this as background for the discussion of GOOS implementation by Strategic Objective.

**8.1 Ocean Observing Panel for Physics and Climate (OOPC)** - *Bernadette Sloyan and Katy Hill*

**8.2 GOOS Biogeochemistry Panel / IOCCP** - *Kim Currie, Masao Ishii, Artur Palacz*

**8.3 GOOS Biology and Ecosystems Panel** *- Nic Bax, Daniel Dunn, and Patricia Miloslavich*

**8.4 Observations Coordination Group** - *Emma Heslop*

**8.5 GOOS Regional Alliances** - *Glenn Nolan*

**12:08 Ferry to the East Shore**

12:30-13:30 Lunch at *Alte Mühle*

14:00 *Wissenschaffen* ("Creating knowledge") public lecture by Vladimir Ryabinin on the UN Decade of Ocean Science for Sustainable Development 2021-2030 and Toste Tanhua on GOOS

## 9. GEOMAR perspectives*(14:45, 45 min)*

Presentations for the SC on GEOMAR, AtlantOS, and the Ocean Science Center Mindelo (Cabo Verde).

15:30-16:00 Coffee break

16:00-16:45 Tour of the GEOMAR East campus facilities

**16:54 Return Ferry**

## 10. Implementation Planning: by Strategic Objective*(60 minutes)*

**10.1 Guiding Capacity Development**

Including perspectives of the regionally-appointed members of the Steering committee

*Friday 3 May 2019*

# Day 3: Implementation and planning

## 10. Implementation Planning: by Strategic Objective (cont'd)

The focus under each item will be to improve the specificity of actions in the Draft GOOS Implementation Plan (see item 3).

**10.2 Open data**

*[5 flash presentations: IODE Sergey, WIGOS/WIS, OCG Kevin, CMEMS/PY Toste, OBIS/Patricia/Ward] - priorities for actions*

*outcome a TT?*

**10.3 Best practice**

*reference document: Ocean Best Practices System project proposal*

*Emma*

**10.4 Partnerships for delivery**

*[presentation based on the material prepared in Exec]*

*Nic Bax: paper on ocean health partners for delivery*

**10.5 Advocacy and communications**

*Focus on the GOOS National Focal Points, GRAs, IOC focal points - how does this fit together - what might national ocean observing systems expect from GOOS?*

## 11. Implementation Planning: overall resourcing*(30 min)*

The SC will discuss and approve the overall resourcing message in the Implementation Plan (see document in item 3) provided to the IOC Assembly, and identify opportunities and actions for improving the funding situation for GOOS activities.

**12. Steering Committee renewal**
*(30 min)*

* *Document:* renewal plan for SC membership

In light of discussions about the development of partnerships, implementing the ambitious strategy, and governance of ocean observations, the SC will discuss and approve a process to renew its membership and several vacant positions.

## 13. Review of past actions of the Steering Committee*(30 min)*

Review of those actions not completed, should be maintained for the next period within the GOOS Strategy and Implementation Plan, what is required to complete.

## 14. Review of decisions, recommendations, and actions*(60 min)*