



The Global Ocean Observing System

STEERING COMMITTEE

Twelfth Session of the GOOS Steering Committee (GOOS SC-12)

The Twelfth Session of the GOOS Steering Committee meeting will take place from Tuesday 25 April to Thursday 27 April 2023, with a reception planned for evening of Monday 24 April, and a GOOS Exec offsite meeting planned for the morning of Friday 28 April.

We are kindly hosted by the Ocean Frontier Institute, Dalhousie University, Halifax, Nova Scotia.

The meeting will take place from 08:30 – 17:30 each day, on site with facilitation for online attendees. The agenda will maximise our discussion time together, keeping presentations succinct and with pre-meeting background reading (see below) as preparation. Documentation will be available 2 weeks before the session.

Background documents are listed and below, these and the presentations will be linked from this agenda, or available for download on the [meeting website](#).

Meeting objectives:

Meeting for the first time in person since 2019, this will be a pivotal session to assess progress across the GOOS Strategic Objectives, 4 years on from the launch of the 2030 Strategy. It is hoped that as many as possible of the GOOS SC and Exec will be able to attend in person, to discuss and identify priorities, opportunities, and resource implications for the GOOS Implementation Plan.

- Assess advancement towards GOOS objectives
- Identify priorities, gaps, opportunities, and resource implications
- Assess advancement of GOOS Ocean Decade Programmes and provide guidance
- Provide feedback to GOOS Expert Panels, the Observation Coordination Group, GOOS Regional Alliances, and the Expert Team on Operational Ocean Forecasting (ETOOFS)
- Assess ToRs and evolving role, ETOOFS, GOOS National Focal Points, OOPC
- Assess new GOOS Project and TT applications
- Plan for evolving GOOS Governance and renewal of SC membership

Major Documents:

- [Highlights and issues from GOOS Components - compiled](#)
- [GOOS National Focal Points updated ToRs](#)
- [New Project proposal for Integrated Marine Debris Observing System \(IMDOS\)](#)
- [Task Team proposal for Arctic GRA development](#)
- [Ocean Integration Paper](#)
- [OOPC revised ToRs](#) (for information)
- [Ocean Decade Vision Document](#)
- CIOOS proposal [TBA]



Timetable Overview

	Monday April 24	Tuesday April 25	Wednesday April 26	Thursday April 27	Friday April 28
	COVE	Dalhousie Campus	Dalhousie Campus	Dalhousie Campus	The Park & PIER
8:30 - 9:00	17:30 meeting point at entrance to Ocean Frontier Institute for transport to reception				
9:00 - 12:30		GOOS SC-12			GOOS Exec Offsite (Detailed programme) Meet 10:00 at park or museum entrance (pending weather)
12:30 - 13:30		Lunch			GOOS Exec Offsite Lunch provided at PIER
13:30 - 17:30		GOOS SC-12			14:00 end
18:00 - 20:00	Welcome reception at COVE (Detailed Programm e)		Delegates Dinner at Five Fishermen		

GOOS SC-12 Overview

Tuesday, April 25, 2023 08:30 - 17:30 ADT [Click here to see what time for you]				
Chairs: Anya Waite and Toste Tanhua Online meeting link				
#	Time	Agenda Item	Presenter	Materials
1	8:30 - 9:00	Welcome and opening of GOOS SC-12, with perspectives from the GOOS Co-Chairs (Part 1). Adoption of the GOOS SC-12 Agenda [30 minutes]	Alice Aiken -Vice President R&I at Dalhousie University Toste Tanhua	Rapporteur: Forest Moderator online: Forest
2	9:00 - 10:00	GOOS Sponsors Perspectives <ul style="list-style-type: none"> • IOC • WMO • ISC • UNEP [4 x 10 min presentations + 5 mins questions]	<i>Vladimir Ryabinin (remote)</i> Albert Fischer <i>Martin Visbeck (remote)</i> Joana Akrofi	Materials: PPT Rapporteur: Mathieu Moderator online: Forest
Coffee break [10:00 - 10:30]				
3	10:30 - 11:35	GOAL 2: S05 Authoritative guidance design [15 min presentation + 50 min discussion]	Sabrina Speich (remote) & Belen Martin	Materials: PPTs Rapporteur: Artur Moderator online: Forest
3	11:35 - 12:40	S06 Strengthen and expand system [15 min presentation + 50 min discussion]	David Legler	Materials: PPTs Rapporteur: Artur Moderator online: Julia
LUNCH 60 mins [12:40 - 13:40]				
3	13:40 - 14:00	Regional and forward looking perspective from Anya	Anya Waite	
3	14:00 - 15:00	S07 Open Data [10 min presentation + 50 min discussion]	Mathieu	Materials: PPTs Rapporteur: Julia

				Moderator online: Forest
4	15:00 - 15:40	GOAL 1 S01 Partnership for Delivery [10 min presentation + 30 min discussion]	Toste Tanhua	Materials: PPTs Rapporteur: Mathieu Moderator online: Forest
Coffee break [15:40 - 16:00]				
4	16:00 - 17:00	S02 Communication & Advocacy [10 min presentation + 50 min discussion]	Anya Waite & Laura Stukonyte (remote)	Materials: PPTs Rapporteur: Mathieu Moderator online: Forest
4	17:00 - 17:40	S03 Evaluate impact [10 min presentation + 30 min discussion]	David Legler	Materials: PPTs Rapporteur: Mathieu Moderator online: Forest
Adjourn 17:40				

Wednesday, April 26, 2023 8:30 - 17:30 ADT [Click here to see what time for you]				
Chairs: Anya Waite and Toste Tanhua Online meeting link				
#	Time	Agenda Item	Presenter	Materials
4	8:30 - 9:10	S04 Empower end user applications [10 min presentation + 30 min discussion]	Pierre Bahurel (remote) & Carl Gouldman	Materials: PPTs Rapporteur: Maciej Moderator online: Forest
5	9:10 - 09:50	GOAL 3 S08 Support Innovation [10 min presentation + 30 min discussion]	Emma Heslop	PPTs Rapporteur: Maciej

				Moderator online: Forest
Coffee break [09:50 - 10:20]				
5	10:20-11:20	S09 Develop Capacity [10 min presentation + 50 min discussion]	Gabrielle Canonico	Materials: PPTs Rapporteur: Ana Moderator online: Forest
5	11:20-12:20	S010 Human impact observations [10 min presentation + 50 min discussion]	Maciej Telszewski & Artur Palacz (<i>remote</i>)	Materials: PPTs Rapporteur: Belén Moderator online: Forest
LUNCH 60 mins [12:20 - 13:20]				
5	13:20-13:45	S011 Evolving GOOS Governance [5 min presentation + 20 min discussion]	Emma Heslop	Materials: PPTs Rapporteur: Belén Moderator online: Forest
6	13:45 - 15:15	GOOS & Ocean Decade <ul style="list-style-type: none"> ● CoastPredict ● Co-Design ● Observing Together ● Ocean Integration (new) ● DITTO ● DCO / Ocean Decade update [3 x 30 min - 2 x 5 min presentation + 20 min discussion]	Joaquin Tintore Ann-Christine Zinkann Alvaro Scardilli (<i>remote</i>) Joaquin Tintore Toste Tanhua Emma Heslop	Materials: PPTs Rapporteur: Belén Moderator online: Forest
Coffee break [15:15 - 15:30]				
7	15:30 -16:45	SC Oversight/Governance: <ul style="list-style-type: none"> ● NFP updated ToRs ● Project Proposal IMDOS ● OOPC Updated ToRs (for info) ● ET00FS ToR update process ● SC membership renewal ● WMO connections update 	Toste Tanhua moderator Venkat (<i>remote</i>) Artur Palacz (<i>remote</i>) Belen Martin Pierre/Denis Chang Seng Toste Tanhua Emma Heslop	Materials: PPTs Rapporteur: Maciej Moderator online: Forest

		[short items 5 min + 5/10 min discussion]		
8	16:45 - 17:20	GOOS Office [10 min presentation + 25 min discussion]	Emma Heslop	Materials: PPTs Rapporteur: Denis Moderator online: Forest
Adjourn 17:20				

Thursday, April 27, 2023
08:30 - 17:00 ADT [Click [here](#) to see what time it is for you]

Chairs: Anya Waite and Toste Tanhua

[Online meeting link](#)

#	Time	Agenda Item	Presenter	Materials
9	8:30 - 10:30	GOOS Components Report Out <ul style="list-style-type: none"> ● OOPC ● BGC Panel ● BioEco Panel ● OCG ● GRAs ● ETOOFS [6 x short 5 mins presentations, (detail in reports) + 15 min discussion]	<i>Weidong Yu (remote)</i> Kim Currie Gabrielle Canonico David Legler Carl Gouldman <i>Pierre Bahaurel (remote)</i>	Materials: GOOS Components Report - compiled PPTs Rapporteur: Denis Moderator online:
9	10:30 - 10:50	<ul style="list-style-type: none"> ● CIOOS Proposal to be a GRA [5 min presentation + 15 min discussion]	Shayla Fitzsimmons	Materials: PPTs Rapporteur: Denis Moderator online:
Coffee break [10:50 - 11:10]				
10	11:10 - 12:00	<i>In Camera</i> SC meeting + lunch [no presentations]	Anya Waite and Toste Tanhua	Materials: none Rapporteur: Denis Moderator online:
LUNCH 60 mins [12:00 - 13:00]				

11	13:00 - 13:50	Report out from SC <i>In Camera</i> Session - priorities, other points [10 min presentation + 40 min discussion]	SC Member (TBD)	Materials: Rapporteur: Denis Moderator online: Forest
12	13:50 - 15:10	GOOS Projects Report Out <ul style="list-style-type: none"> ● TPOS 2020 ● AtlantOS ● DOOS ● OBPS ● SmartCable [5 min presentation + 10 min discussion]	<i>Billy Kessler (remote)</i> <i>Jessica Snowden (remote)</i> <i>Leslie Smith (remote)</i> <i>René Garello (remote)</i> <i>Bruce Howe (remote)</i>	Materials: PPTs: Reports: DOOS Rapporteur: Belén Moderator online: Forest
Coffee break [15:10 - 15:30]				
13	15:30 - 16:20	Forward look 4 years into the strategy, orientation on aims for the future - bigger picture than priority actions - loop back and think together across the meeting, SOs, opportunities [5 min presentation + 45 min discussion]	Toste Tanhua & Anya Waite	Materials:none Rapporteur: Moderator online: Forest
14	16:20 - 17:00	Summarised Actions - across SOs	Emma Heslop	Materials: Rapporteur: none Moderator online: Forest
Close GOOS SC-12 17:00				

Detailed Agenda

(session notes and guiding questions)

Tuesday 25 April 2023

Day 1: Sponsors and GOOS Strategic Objectives (6, 7, 8, 1, 2, 3)

1. Welcome and Opening of GOOS SC-12 - GOOS Co-Chairs / Local Host

(Anya Waite & Toste Tanhua, 30 min: 10 min presentation, 20 min discussion)

Reflect on the big picture: where were we 3 years ago, where are we now? We see nice words about the importance of ocean observing in important documents - but where is the action? Reflect on COP27 and COP15.

Introduce the GOOS SC-12 meeting agenda, structure of the meeting, objectives and the guidance of the SC. Adoption of the Agenda.

2. GOOS Sponsors Perspectives

(IOC, WMO, UNEP, ISC 60 min: 10 min presentation, 20 min discussion)

GOOS Sponsors to each share perspectives that will help GOOS adapt, develop actions and priorities through the meeting, including thoughts about:

- Changing landscape for ocean issues of relevance to GOOS
- Sponsor news of relevance
- Sponsor high level input/guidance
- Opportunities for collaboration or support

2.1 IOC/UNESCO - including links to the Decade of Ocean Science for Sustainable Development and Sustainable Ocean Management - *Vladimir Ryabinin (Executive Secretary, IOC/UNESCO, 10 min presentation)*

2.2 WMO - including the new WMO initiatives, the Earth System approach and GOOS role, key areas for collaboration for weather and climate services - *Albert Fischer (Director WIGOS, WMO INFOM, 10 min presentation)*

2.3 UN Environment - *TBC*

2.4 International Science Council - *Martin Visbeck (Board member ISS, GEOMAR, 10 min presentation)*

Document:

3. GOAL 2 - System Integration and Delivery

- *Document:* [Roadmap to the Implementation of the GOOS 2030 Strategy \(2020\)](#)

3.1 Strategic Objective 5 - Authoritative guidance on observing system design

(OOPC TBC, 60 min: 10 min presentation, 50 min discussion)

SO5: Provide authoritative guidance on integrated observing system design, synthesising across evolving requirements and identifying gaps

OOPC will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

3.2 Strategic Objective 6 - Strengthening and expanding the ocean observing system

(David Legler, OCG, 60 min: 10 min presentation, 50 min discussion)

SO6: Sustain, strengthen and expand ocean observing system implementation through GOOS and partner communities, promoting standards and best practice, and developing metrics to measure success

OCG will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

3.3 Strategic Objective 7 - FAIR Data

(TBC OCG, 60 min: 10 min presentation, 50 min discussion)

SO7: Ensure GOOS ocean observing data and information are findable, accessible, interoperable and reusable, with appropriate quality and latency.

OCG will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

4. Goal 1 - Deepening Engagement and Impact

4.1 Strategic Objective 1 - Partnership for Delivery

(TBC GOOS Office, 30 min: 10 min presentation, 50 min discussion)

SO1: Strengthen Partnerships to improve delivery of forecasts, services, and scientific assessments

GOOS Office will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

4.2 Strategic Objective 2 - Advocacy and Communication

(TBC (Anya and Laura?) 60 min: 15 min presentation, 45 min discussion)

SO2: Build Advocacy and visibility with stakeholders through communicating with key users and national funders (has encompassed visibility within the UN system - interaction with policy - does this belong in SO 11)

GOOS Office and communications function will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

1. What do you need from us to communicate with your governments on what needed

4.3 Strategic Objective 3 - Evaluate Impact

(TDavid Legler 40 min: 10 min presentation, 30 min discussion)

SO3: Regularly evaluate impact to assess fit for purpose

Co-Design Ocean Decade Programme will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

Wednesday 26 April 2023

Day 2: GOOS Strategic Objectives (4, 8, 9, 10), Ocean Decade, Impact and Oversight

4.4 Strategic Objective 4 - Empower end user applications

(TBC 30 min: 10 min presentation, 20 min discussion)

SO4: Strengthen knowledge and exchange around services and products, to boost local uptake

ETOOFS will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

5. Goal 3 - Deepening Engagement and Impact

5.1 Strategic Objective 8 - Support Innovation

GOOS Office (Dialogues with Industry) 50 min: 10 min presentation, 40 min discussion)

SO8: Support Innovation in observing technologies and networks

GOOS Office will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

- Document: [Dialogues with Industry - Draft Synthesis](#)

Questions for the SC are:

5.2 Strategic Objective 9 - Develop Capacity

BioEco Panel 50 min: 10 min presentation, 40 min discussion)

SO9: Develop Capacity to ensure a broader range of beneficial stakeholder participation

GOOS Office will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

5.3 Strategic Objective 10 - Human Impact Observations

(BGC Panel 50 min: 10 min presentation, 40 min discussion)

SO10: Extend systematic observations to understand human impact on the ocean

BGC Panel will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

5.4 Strategic Objective 11 - Champion Effective Governance

(BGC Panel 50 min: 10 min presentation, 40 min discussion)

SO11: Play a leading role in establishing effective governance for global in situ and satellite observing, together with Partners and stakeholders

GOOS Office will lead the presentation of the achievements across GOOS towards this strategic objective, and assess where we are with relation to the outcomes identified in the roadmap and reflect on the gaps, barriers, opportunities and next steps.

Questions for the SC are:

6. GOOS and the Ocean Decade

(90 min: 3 x 30 mins (2 x 5 min presentation, 10 min of discussion)

We are now 3 years into the Ocean Decade, it is time to take stock of the progress and impact of the Ocean Decade and the 3 GOOS Programmes.

The Ocean Decade now has 45 programmes, 214 Projects, 69 Contributions and 420 Actions. It has raised the profile of the need for action across the UN and with governments globally, and been successful in engaging a wider range of actors into the conversation about a better future for our ocean. There are now 7 regional task forces/programmes, 8 Decade Implementing Partners, 32 National Decade Committees, and 9 Decade Collaboration Centres/Coordination Offices. The DCU is initiating a reporting period and a 'Vision 2030' initiative to set the goals/ambition for each of the Ocean Decade Challenges. An international Ocean Decade Conference is planned for 10-12 April 2024, in Barcelona.

The digital ecosystem and observing system challenges lie at the core of the success of the Ocean Decade, and there are more actions and programmes associated with ocean observing than any other challenge. For these reasons the DCU has stepped up to support the Ocean Observing Decade Coordination Office (DCO) for an initial year. The Ocean Observing DCO commenced its work, to

support 10 ocean observing Decade Programmes, GOOS transformation and Decade aims, in March 2023.

The 3 GOOS Ocean Decade Programmes have 18 months now in developing the transformative elements and implementation pathway. The Ocean Observing Co-Design Programme, has identified a pathway for ocean observing co-design, initiated partnership with modelling communities for system design evaluation experiments, and developed project outlines for a set of 6 initial exemplars (at varying stages of maturity) for areas of high societal need and all focused on delivering information to defined stakeholders. CoastPredict has developed several endorsed projects under 6 focus areas that tackle the scientific advances required, and will pilot implementation through the Global Coast Experiment, which will focus on a limited and diverse set of regions and stakeholders to simultaneously advance the science and the services. CoastPredict has been successful in attracting interest from the private sector for its plans and concepts. Observing Together has 5 endorsed programmes that are slowly developing, and is focused on supporting with advice and connections, advancing step by step.

Although great progress has been made across all 3 of the GOOS Ocean Decade Programmes in developing and implementing transformational work, as with many other Ocean Decade Programmes, there has been little direct and new funding support. The Programmes seek transformation and so are by nature risky, GOOS and the Ocean Decade could articulate more clearly the type of project that needs to be supported to make change. Perhaps not all of the ambition of the Ocean Decade Programmes can be achieved in the first phase, thoughts and advice are sought from the SC with regard to how to best focus these initiatives, and how the transformation integrates with GOOS work, given the strong interaction with the SOs.

6.2 Ocean Observing Co-Design - David Legler (5 min presentation)

6.3 CoastPredict - Joaquin Tintore (5 min presentation)

6.4 Observing Together - Alvaro Scardili (online, 5 min presentation)

6.5 Ocean Integration (new Programme proposal) - Joaquin Tintore (5 min presentation)

6.6 Ocean Observing DCO and Vision 2030 - Emma Heslop (5 min presentation)

6.7 DITTO Programme - Toste Tanhua (5 min presentation)

Reference Documents:

- ToRs for the Ocean Observing Coordination Office (DCO)
- [Vision 2030 - Decade goal setting](#)
- [Ocean Integration Article](#)

Decision

Ocean Decade 2030 Vision - Ocean Observing Challenge

An open call will be sent to the GOOS Community for two Co-Chairs and 10 members for a 2030 Ocean Decade Vision for 2030. The members will be selected, ensuring diversity in geographic

location, knowledge, experience, and gender, to serve for 6 months to develop the 2030 Vision, supported by the Ocean Observing DCO.

7. SC Oversight and Governance

(Toste Tanhua lead discussions, 75 min: 5 min presentation, 10 min of discussion)

A series of items for the SC to discuss, approve and/or request amendments,

- 7.1 ETOOFS Evolving Role and ToRs** - aims, principles and process to evolve ETOOFS ToRs. With the integration of ETOOFS into GOOS, following the disbandment JCOMM, the advent of the Ocean Decade and the new opportunities presented by the development of an Ocean Prediction Decade Collaboration Centre (DCC Ocean Prediction), the developing maturity of operational ocean services, and the need to integrate observations and modelling towards service delivery across GOOS, ETOOFS aims to update its ToRs under GOOS. The aims, principles and process to evolve ETOOFS ToRs will be presented for discussion - *Pierre Bahurel (5 min presentation)*
- 7.2 NFP updated ToRs** - Following suggestions to the GOOS SC (Action xxx) the GOOS National Focal Point ToRs have been updated (work of the GOOS NFP TT) and sent to the IOC Member States for comment (February 2023). the comments received have been incorporated and the revised ToRs presented for Sc approval - *Venkat, Consultant GOOS National Focal Points (5 min presentation)*
- 7.3 OOPC membership and updated ToRs** - Following the WMO GCOS Study Group the ToRs and membership of OOPC have been slightly updated - for GOOS SC info - *Belen Martin (OOPC, WMO, 5 min presentation)*
- 7.4 WMO Connections** - including links the WMO RRR, and recommendations from the OOIS - *Emma Heslop (GOOS, IOC/UNESCO, 5 min presentation)*
- 7.5 SC membership renewal and evolving the Co-Chairs renewal** - An update on the renewal of plans several SC members are stepping down. Evolving Co-Chairs renewal process

Reference documents:

- Updated ETOOFS ToRs
- [Updated GOOS NFP ToRs \(with new input in blue\)](#)
- OOPC ToRs
- WMO connections

Decisions x, x, x

WMO Connections

GOOS SC approves the set of priorities for development of connections. SC requests AG Oceans to report to GOOS SC on issues?

ETOOFS revised ToRs

GOOS SC approves ETOOFS revised ToRs (or requests the following comments to be taken into consideration and the ToRs to be re-submitted to the SC for approval:

GOOS NFP revised ToRs

GOOS SC approves GOOS NFP revised ToRs,

Evolving the Co-Chairs role

GOOS SC asks the Co-Chairs to assess the options of evolving the Co-Chairs role, as presented and taking into account the discussion, and to report back to the next SC with a suggestion for consideration.

8. GOOS Office

(Emma Heslop, 40 min: 10 min presentation, 30 min of discussion)

Report on GOOS Office actions, IOC Assembly items of relevance and JCB, interaction across the IOC and UN, IOC support next biennium.

Impact - a section in the Roadmap, related to priorities in ocean observing, communication and evidence of success.

Reference Documents:

- Brief paper outlining the topic
- [The Roadmap](#)

Thursday 27 April 2023

Day 3: GOOS Component and Projects Reporting, Innovation, In Camera, and Forward look

9. GOOS Components Report Out

(120 min, see for each item: 5 min presentation, 15 min of discussion)

Each of the GOOS Components will report out on highlights from their work, and with questions for the SC.

- 9.1 OOPC** - Weidong Yu *(5 min presentation)*
- 9.2 BGC Panel** - Kim Currie NIWA *(5 min presentation)*
- 9.3 BioEco Panel** - Gabrielle Canonico, NOAA *(5 min presentation)*
- 9.4 OCG** - David Legler, NOAA *(5 min presentation)*
- 9.5 ETOOFS** - Pierre Bahaurel, Mercator *(5 min presentation)*
- 9.6 GRAs** - Carl Goldman, NOAA *(5 min presentation)*

10. In Camera GOOS SC

GOOS SC In Camera *(an extra long lunch for observers and Exec)* all reconvene after lunch for the report out.

11. In Camera GOOS SC - report out

Report out from GOOS SC In Camera session, look at priorities across GOOS, highlight key actions and cross cutting or emerging issues.

12. GOOS Projects Report Out

12.1 TPOS 2020 - Billy Kessler (remote) (5 min presentation)

12.2 AtlantOS - Jessica Snowden (remote) (5 min presentation)

12.3 DOOS - Leslie Smith (remote) (5 min presentation)

12.4 OBPS - René Garello (remote) (5 min presentation)

12.5 SmartCables - Bruce Howe (remote) (5 min presentation)

13. Forward Look

Four years into the GOOS 2030 Strategy, orientation on aims for the future and discussion of the bigger picture - loop back and think together across the meeting, SC Priorities, SOs, opportunities.

14. Summarised Actions across SOs

Summary of actions captured across the Strategic Objectives

Close of Session

ANNEXES**Detailed Programme for Welcome Reception [subject to update by OFI]**

5:30 PM	Bus departs OFI/Steele Ocean Sciences building for COVE
6:00	delegates arrive – Colin MacLean Hall
6:00-6:05	Welcome remarks by Eric Siegel, OFI
6:05-6:20	Keynote by Melanie Nadeau
6:20:6:30	Tour details and introduction to guides by Eric Siegel, OFI
6:30 – 7:00	Tour of Cove – Richard Davis and Michel Lechmann
7:00-8:00	Wine & Cheese Reception at Colin MacLean Hall
8:00	Bus departs to take delegates back to meeting point at OFI

Detailed Programme for GOOS Exec [subject to update by OFI]

10:00	Meet at Park or Museum at PIER (weather to determine) Transport not provided. We will facilitate coordination of groups to take taxis/ubers
10:00 - 11:30	Park walk or museum visit.
11:30 - 12:00	Working/Discussion time
12:00 - 1:00PM	Working Lunch (lunch provided by PIER)
1:00 - 1:20	Walking tour of PIER
1:20 - 2:00PM	Working/Discussion time
2:00PM	Close of exec, participants make their own way back to accommodations

AGENDA for EXEC:

- Finalisation of EOv paper
- Modalities of working across GOOS
- Priorities coming out of GOOS