

OPEC meeting

16 Jan 2024

12 UTC

Agenda

- **Introduction to the OPEC by meeting chair** → Responsible for decision making, organisation of activities and identification of collaboration opportunities with partner organisations (includes OPST, OPOS-WG and TT co-chairs)
- **Members – round the table question:** Info about expectation of - and plans for participation in the OPEC
- **Topics**
 1. Outreach and engagement with external groups
 - Engagement with WMO/IOC – led by Elisabeth Remy as member of the WMO advisory group on ocean (5+10 min)
 - Feedback from OP to observing agencies/communities on use and impact of observations (OPST action 7 and 9 – see action in appendix)
 2. Class-4 intercomparison progress (action 15)
 - What is the status of this action and how can OPEC support it?
 3. Communication
 - Survey on operational systems organisation (action 11)
 4. ForeSea
 - How can OPEC support ForeSea progress? (action 17)
 5. AOB

Participation

No	Name	Surname	Affiliation	Country
1	Santha	Akella	NASA	USA
2	Eric	Bayler	NOAA	USA
3	Stephanie	Cuven	MOi	France
4	Fraser	Davidson	ECCC	Canada
5	Pierre	De Mey-Frémaux	LEGOS	France
6	Marie	Drevillon	MOi	France
7	David	Ford	Met Office	UK
8	Yosuke	Fujii	MRI-JMA	Japan
9	Pierre-Yves	Le Traon	MOi	France
10	Matthew	Martin	Met Office	UK
11	Kristian	Mogensen	ECMWF	UK/Europe
12	Elisabeth	Remy	MOi	France
13	Gregory	Smith	ECCC	Canada
14	Ann Kristin	Sperrevik	Met.no	Norway
15	PN	Vinayachandran	Indian Institute of Science	India
16	Kirsten	Wilmer-Becker	Met Office	UK
17	Liuqian	Yu	UST	China

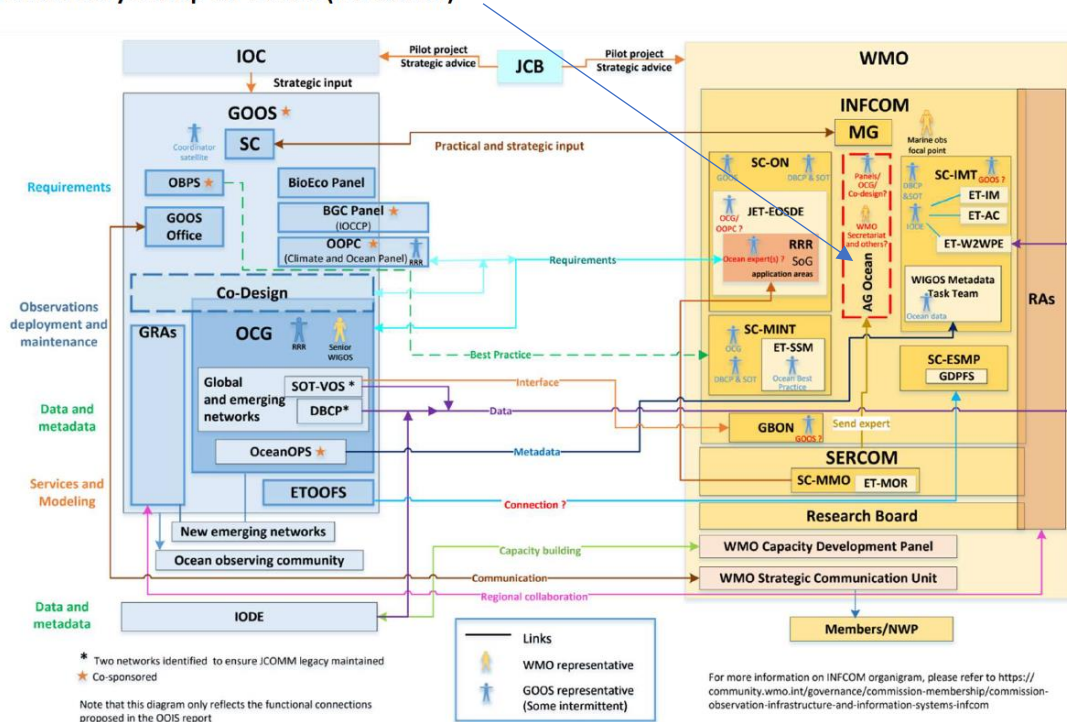
Meeting summary:

Action 1: All TT and WG co-chairs to provide 1 or 2 slides before the next OPEC meeting to give a brief update on the TT or WG status, list questions or suggest discussion items.

1. Outreach and engagement with external groups

Elisabeth informed the OPEC members of her involvement in the WMO Advisory Group on Ocean (AG Ocean) and its plan to strengthen and improve working connections between meteorological and oceanographic infrastructure in the context of the Earth System. (please see presentation sent by Elisabeth)

WMO Advisory Group on Ocean (AG Ocean)



Comments from the OPEC included:

- OP should make sure we have good links with GOOS
- Highlight the importance of regional and larger scale systems integration to both, ocean and atmosphere
- Usefulness of understanding WMO and IOC links
- Confirmation that OPEC and OPOS-WG should work with OP-DCC regarding linking to WMO
- Consideration of the Marine Meteorology and Oceanography Programme (MMOP) as another group within WMO not yet mentioned by Elisabeth
- OPEC could propose for other groups to get involved (filling gaps) but would need to be aware to represent a community view. We can take advantage of the fact that we have well organized networks that should provide input.

- Requirement to avoid duplication of effort, and that WMO takes too much control over the AG Ocean outcomes
- Consideration that OP is serving a lot of communities, not only related to ocean prediction but also ocean observations, climate change monitoring, ecosystems or many things.

Action 2: Elisabeth to keep the OPEC informed about development at the AG Ocean and engage with OPEC members in case of contributions and questions.

2. Class-4 intercomparison progress (action 15 – see appendix)

Fabrice explained that the IV-TT effort wrt class-4 intercomparisons has experienced new issues on the ftp access. Data up- and downloads are impacted. There are still ideas concerning other alternatives in term of mirroring sight and other groups inside or outside OP that could offer facilities to ensure that the class-4 activity is sustained. Facilities are needed that can do both, host and archive files but also allow easy upload/download, easy communication and cataloguing of data. The OPOS-WG is discussed what it can contribute. It will not be able to provide a technical hardware solution but has plans to engage with forecast centres to develop and propose (possibly help implement) ways for sustainable operationalisation of class-4 intercomparison. Building confidence at system level in this matter is critical and therefore involvement with the OP-DCC (Enrique) will also be part of this strategy. It was highlighted that it will be useful to have a document of requirements to describe the plans for the operational set up. The doc would have to acknowledge the status quo and provide a vision of growth. It was suggested that ECMWF could host a server (Kristian will explore the options) and that WMO could be involved to endorse the plans.

Action 3: OPOS -WG co-chairs to draft one-page requirement document and run it via the IV-TT co-chairs for revision. At the moment the requirements would not need 24/7 support.

In future, access to the intercomparison information could be hosted on the OP-DCC or OP website.

3. Communication

Two surveys are currently being of interest following OPST-8.

- Survey 1 on Argo (requested by Peter Oke): This survey has been set up and sent to the SynObs community. It is planned to extend its reach and send it to the OP community for input.

Action 4: KWB and Yosuke to discuss any updates to the Argo survey and agree on recipients (most likely OPOS-WG or even the OP global.)

- Survey 2 on storage of daily forecasting data (length and method of storage) (requested by Do-Seong Byun): This still needs to be set up and might include wider questions (best practice on data handling, plans for digital twins, system approach to ensembles, other..)

Action 5: KWB and OPOS-WG co-chairs to discuss data survey questions and audience, and once agreed run the survey.

4. ForeSea

ForeSea has been slow in its evolution. Yosuke would like to learn more about and connect with the other ForeSea projects. It was decided to dedicate the next OPEC meeting to ForeSea.

5. Next meeting

It was agreed to have the next meeting on 29 Feb 2024, 12 UTC. KWB to invite.

Meeting recording can be accessed here:

Appendix – Extract of OPST-8 actions

- **Action 7: OPPO with the help of OPOS-WG** to prepare and circulate a questionnaire on the Argo use to OPST and the wider community.
 - **Should the questionnaire used by SynObs to collect feedback on Argo be extended to OPOS-WG and the wider OP community?**
- **Action 9: All OPST members (with the help of the TTs and OPST co-chairs and OPAS members)** to develop a mechanism to stronger engage with the observation communities on providing feedback on the utility and impact of observations e.g. SWOT, OneArgo, etc. . This could be done in the form of short statements or recommendations gathered directly from OPST members of via surveys (see action 7) and sent by email or letter. The OPAS group should provide guidance on the best way of communication. Direct interaction of OPST members with observation agencies is also possible, but we need to make sure to provide consistent messages (via a common document) from OP.
 - **What can OP do to set this up?**
- **Action 11: OPPO** with the help of OPOS-WG (or all OPST) to provide feedback on a question about storage of daily forecasting data (length and method of storage)
 - **Should a new survey (requested at OPST-8 as action 11) also look at questions about operational system organisation of data storage/services solutions, best practice on data handling, plans for digital twins, system approach to ensembles, etc.? Are there more questions to be included?**
- **Action 15: OPST co-chairs, IV-TT co-chairs and OP-DCC** to discuss and propose solutions for organising the class-4 intercomparison effort on an operational basis
 - **What is the current status of this action and how can OPEC support it?**
- **Action 17: Moving ForeSea forward**
 - **What can be done by OP to support the progress of ForeSea?**