

OPEC meeting

29 Feb 2024

12 UTC

Agenda

1. Discuss actions from last meeting (KWB/SC)
2. TT presentations overview from the each TTs (3-5 min each), including questions for the OPEC and whether the TT needs support with anything. (TT co-chairs)
3. ForeSea
 - a. Eric C to provide current status
 - b. OPOS-WG involvement (possible new project on OP-DCC architecture) – plus class 4 metrics sustainability approach D Ford and F Davidson to lead
 - c. Discussion
4. OP newsletter (if we have time)
5. Any other business (AOB)

Participation

No	Name	Name	Affiliation	Country
1	Santha	Akella	NASA	USA
2	Eric	Chassignet	FSU	USA
3	Stefano	Ciavatta	MOi	France
4	Stephanie	Cuven	MOi	France
5	Fraser	Davidson	ECCC	Canada
6	Marie	Drevillon	MOi	France
7	Fabrice	Hernandez	MOi/IRD	France
8	David	Ford	Met Office	UK
9	Yosuke	Fujii	MRI-JMA	Japan
10	Kristian	Mogensen	ECMWF	UK
11	Elisabeth	Remy	MOi	France
12	Gregory	Smith	ECCC	Canada
13	Ann Kristin	Sperrevik	Met.no	Norway
14	PN	Vinayachandran	Indian Institute of Science	India
15	Kirsten	Wilmer-Becker	Met Office	UK
16	Liuqian	Yu	University of Hong Kong	China

Meeting summary:

1. Action check

Actions (see appendix 1) were discussed and seen to be in progress. No further comments were added.

2. TT and WG summaries

a. COSS-TT

Villy and Pierre will step down on Dec 31 of this year with Alex staying on. The three current co-chairs will shortly be contacting colleagues to find a new co-chair to work with Alex. If this is not successful, support of other co-chairs or the OPEC might be needed to find a suitable person. Other COSS-TT topics, including participation to symposium or the next COSS-TT meeting will be discussed very soon and then communicated with the OPEC.

b. CP-TT

The next CP-TT meeting, including science presentation will be on 14 March 2024. [Information is available on the OP website](#). There are also plans for a joint CP-TT/DA-TT workshop in Boulder in May 2025.

The CP-TT would be open to widening its scope to include modelling in general, but this would need to be discussed among the CP-TT co-chairs and maybe with the wider OP community and could be an agenda item at the upcoming CP-TT meeting.

Action: KWB to provide OP global mailing list to Kristian for further distribution of CP-TT invite.

c. DA-TT

Sergey and Ann Kristin are now officially the new DA-TT co-chairs as Matt and Andy have stepped down but remain members of the TT. A mini review was done for the SynObs special issue by Andy Moore.

In view of possible OP '24 symposium DA training, the TT will check for existing training material (from the last symposium) and it is planned to add questions to the symposium registration to ask for training needs. Being prepared for AI/ML training is likely to be relevant.

d. MEAP-TT

The Horizon Europe project [NECCTON](#) run by MOi with Stefano Ciavatta as PI has officially been endorsed as a project under the UN Decade programme [Marine Life 2030](#). NECCTON will use state-of-the-art techniques and incorporate new data streams to produce a fully integrated modelling system that more closely represents the functioning of the marine ecosystem.

The MEAP-TT runs regular monthly seminars including invited talks and a MEAP-TT business section. The next seminar is on 6 March 2024. The next MEAP-TT in-person meeting is planned as a side event at the [AMEMR conference](#) in Plymouth, UK at PML in July 2024.

e. IV-TT

Greg and Fraser announced the setting up of new server disk space at ECCC to support the class-4 intercomparison efforts of OP. It will mirror the US GODAE server, but has a larger capacity so it can evolve, for example could provide space for IV-TT to work together. In future it may have the option to include class-1 and develop a public outlet showing forecast improvements over time or could display daily graphics. It was requested for the OPAS to get involved to endorse the server and to help advocate for all the OP operational centre to get involved and adopt the use of the server in their operational processes.

Action: KWB to email the OPAS co-chairs to secure a presentation slot for the ECCC server plans at the next OPAS meeting (21 March 2024).

The TT is working on a publication about the development and progress of the class-4 and intercomparison activities between the contributing OP centres. It is expected that this will provide insight on future directions for the TT.

The IV-TT would be willing to contribute to projects develop within OP in support of the UN Decade.

f. OPOS-WG

The efforts of the IV-TT in setting up the new ECCC server is closely linked to the OPOS-WG links to the operational forecasting centre which are represented in the WG. Working towards the integration of the class-4 servers in the operational process at the OP operational centres will require close interaction between the IV-TT and the OSPO-WG.

The WG is planning its next meeting in March/April 2024 and is working closely with the OP-DCC on the ORL (operational readiness level) definition, the online system atlas, and the best practices approach for the Operational Oceanography architecture. A paper is planned by Enrique which is already in progress and ideally to be presented at the OP '24 symposium. There are plans to set up a new UN decade project under ForeSea run by the OSPOS-WG, e.g. focussing on best practices.

g. OS Eval-TT

The OS Eval-TT is focusing its effort mostly on running the SynObs project. They continue to work on a special issue (deadline July 2024) showing early results from the SynObs effort. Two introduction papers are planned to be published in Frontiers and maybe BAMS. The flagship OSSE effort is making progress and is being discussed. Also, the collaboration with Ocean Observing Co-Design is ongoing.

OS Eval-TT/SynObs will take part in the April 2024 Barcelona conference and announcements will be sent by the OPPO. In addition, the OS Eval-TT / SynObs has contributed to various events and groups efforts, including AGU ocean science meeting, WMO impact workshop, and the Argo Steering team which is now an official partner of the OS Eval-TT/SynObs project.

Action: OPPO to provide web stats on the use of the SynObs pages available on the OP website.

3. ForeSea plan

ForeSea is the formal way for OP to provide input to the UN Decade. Eric C explained the two parts he is considering at the heart of ForeSea:

- Communication of the added value or societal benefits OP provides
- Information and distribution of the OP data and forecast products

It is planned to put this into action via an OP/ForeSea newsletter which will also feature information on the ForeSea projects. More discussion are needed to detail the newsletter content.

4. Next meeting

It was agreed to have the next meeting on 25 April 2024, 12 UTC. KWB to invite.

Meeting recording can be accessed here:

<https://oceanpredict.org/docs/Restricted/OPEC/Meetings/Feb-2024/OPEC-meeting-2-Feb2024.mp4>

Appendix – 1 : Actions from OPEC meeting 1 (Jan 2024)

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.

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.

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

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.)

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