

Agenda for the 1st meeting of the organizing committee of OceanPredict OS-Eval TT and CP TT joint meeting in 2022

Organising committee members:

- [Santha Akella](#), NASA (CP-TT member)
- [Yosuke Fujii](#), JMA/MRI (OSEval-TT co-chair)
- [Chris Harris](#), Met Office (CP-TT co-chair)
- [Arun Kumar](#), NCEP (TPOS2020)
- [Shuhei Masuda](#), JAMSTEC (OSEval-TT member)
- [Kristian Mogensen](#), ECMWF (CP-TT co-chair) (Added ?)
- [Peter Oke](#), CSIRO (Argo)
- [Elisabeth Remy](#), Mercator Ocean International (OSEval-TT co-chair)
- [Yuhei Takaya](#), JMA/MRI (CP-TT member)
- [Kirsten Wilmer-Becker](#), Met Office (OceanPredict programme office coordinator)

Meeting Title

Symposium toward Synergistic Observation Networks for Ocean and Earth System Predictions (SynObs Kick-off Meeting)

Meeting Data and venue

15 – 18 November 2022

at the [Tsukuba Center for Institutes](#), Tsukuba, Japan, and online. (Hybrid format)

- However, the on-site event at the [Tsukuba Center for Institutes](#) will take place as planned, only if the COVID-19 pandemic has reduced to a point when international travel is more or less normal again, especially travel to and from Japan. If the pandemic has not receded sufficiently, the onsite event will be cancelled, and the meeting will be held only virtually through the web meeting application. (We will not postpone the meeting again this time.)
- Because of the limitation of the time we can use the site, the active time of the meeting will be 00UTC to 08UTC.
- There is some possible to change the venue to the MRI building (also in Tsukuba) if the number of participants of the on-site event is small.

Meeting organization schedule (not fixed but will not largely modified)

May 13th: First Announcement

Until Jun. 30th: - Decide whether we hold the on-site even or not.

Jun. 30th: - Second Announcement (call for papers and registration)

- Open the web page for submission and registration

Aug. 1st: First deadline for abstract submissions

Aug. 22nd: Final deadline (and close of registration for people who need visa)

Aug. 29th: Announcement of the acceptance

Aug. 22nd-Sep. 30th: The 2nd organizing committee meeting(s) for deciding the full agenda including presentations, chairs, rapporteurs, hosting events

Sep. 5th: Deadline for the Japanese visa documents

Sep. 30th: Send the documents for Japanese visa to participants

Oct. 1st: Third announcement (including full agenda)

Oct. 31st: Registration is closed for all people.

Attendance

Not only the members of the two task teams (OSEval-TT and CP-TT) are warmly invited to the meeting, but also

- People who intend to participate in or to contribute to SynObs
- attendees of previous events of either team
- OPST and OP patrons' group members
- OP members of other TT's
- researchers who work in earth system predictions based on ocean data assimilation

OS-Eval TT and CP-TT members or their substitutes are expressly invited to attend.

- Currently, Japanese government request visa for all people entered Japan. The government also requested to show the proof of vaccination or to be isolated for 3 days.
- We may limit the number of on-site participants because we cannot manage large number of visa applicant. Or we may decide 10-20 people who are invited to the on-site event previously, and ask other people to attend through online.
- Anyway, we need to reconfirm Japanese immigration status before deciding that we hold the on-site event.
- We may take a questionnaire to confirm how many people are likely to visit Japan.

Agenda

1. Observing system evaluation showcase

- Impact assessment of present and future observation networks
 - Evaluation of large swath sea level anomaly data (SWOT, COMPIRA, ...)
 - Evaluation of the global Argo Array and its evolution (Argo2020 design, BGC Argo)
 - Evaluation of tropical buoys (TPOS2020 design)
- Evaluation of ocean data impacts on coupled prediction and data assimilation
- New methods for designing and evaluating the observation network
- Best practices for observing system evaluation

2. Development for better use of observation data

- Observation operators
 - For new-type observations (Lagrangian trajectories, Ocean current velocities, etc.)
 - For coupled data assimilation system (Radiance, Scatterometer, etc.)
- Modelling of the background errors across multi-physics/domains
 - Across the atmosphere-ocean boundary
 - Across the open ocean-coastal sea boundary
 - Across physical and biogeochemical parameters
- Methods for dealing with correlated observation errors
 - Data Thinning and modelling of observation errors

3. Earth System prediction and data assimilation

- Model and data assimilation development for coupled prediction
 - Earth System modelling
 - Initialization technique, including coupled data assimilation
- Best practices for coupled prediction and data assimilation
 - Operational coupled system design
 - How to mitigate the coupling shock
 - How to generate ensemble members
- Ocean observation timeliness requirements for operational coupled systems
- Robust metrics to assess improvements (statistics of observational-innovations, forecast skill, score-cards, etc)

4. Discussion on the future activities of OS-Eval TT, CP-TT, and SynObs.

- Setup of SynObs activities
- CP-TT contribution to UN Decade of Ocean Science (ForeSea and SynObs)
- Communication across modelling and data communities for various earth system domains

Meeting Structure

- Having parallel sessions (3-parallel at most) is possible. (It depends on the number of submitted presentation.)
- We accept on-site and virtual oral presentations.
- We also accept poster presentations.
- How about virtual poster presentations? (Should be discussed at the next meeting.)
- Parallel discussion sessions will be held for agenda 4.
- Invited talk? (Should be discussed at the next meeting.)
- Although we have not decided the web meeting application yet, but a strong candidate is using Zoom (or Webex) and Slack (or Google Group). We do not intend to do live streaming.
- Participants of the onsite event may be requested to take body temperature and to do sanitisation hand at the entrance of the site and to wear a nonwoven fabric mask anytime except for the time eating and drinking. We may provide nonwoven fabric masks to all participants. (These are not forced by laws. But organizers have responsibility to request them.)
- We do not have a night symposium reception due to prevention of spreading COVID-19. (It may be possible to have a long coffee break reception or a lunch reception for personal communications.)

Registration

We will collect following information at the registration.

- ✓ name (first, surname)
- ✓ affiliation
- ✓ country
- ✓ email address
- ✓ Onsite or Virtual
- ✓ planned arrival & departure date

- ✓ question about intention to submit abstract(s) and if “yes” , the option to submit a max of three abstracts (title, preferred presentation type, the number of the agenda item the presentation is related to.)
- ✓ Intention of participation in social events reception,
- ✓ Nationality (in order to check the visa requirement)
- ✓ Request of invitation letter for the visa (and other purposes), and until when they need the letter.
 - We will directly request the information we need by e-mail to the people who need the invitation letter.
- ✓ dietary info

Meeting organisation and Registration Fee

- The meeting will be held at Tsukuba Center for Institutes (https://www.mext.go.jp/a_menu/kokusai/kouryucenter/english/index.htm).
- We will take care of providing the meeting rooms, breaks.
- Lunches will not be provided, and participants will be asked to find lunches in the shopping mall nearby (**or take the order of lunch box if necessary**). We may provide information on the lunch for the people who have special eating habitant.
- A list of hotels in Tsukuba will be provided in the 2nd announcement, but we do not make a block reservation.
- We do not collect the registration fee.

Next Meeting

At the End of May or in June, but it will be very busy time...
Maybe we will discuss about invited speakers by e-mails.