



OceanPredict OS-Eval Task Team  
The 8<sup>th</sup> web meeting

(Mar 16<sup>th</sup>, 2021, 13:00UTC)

# ★ Today's Agenda

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00:00-00:03: **Introduction**

00:03-00:09: **Presentation 1:** Regional ocean OSEs in support of hurricane forecast improvements ([Matthieu Le Hénaff, U. Miami/CIMAS-NOAA/AOML](#))

00:09-00:15: **Presentation 2:** Benefits of assimilating the SMOS SSS in the Arctic reanalysis ([Jiping Xi, NERSC](#))

00:15-00:21: **Presentation 3:** On the activities in KIOST's ocean and climate prediction system development ([YoungHo Kim, KIOST](#))

00:21-00:27: **Presentation 4:** Impact of near-real-time data on an ocean reanalysis, a demonstration of the value of quality-controlled data ([Peter Oke, CSIRO](#))

00:27-00:33: **Presentation 5:** Canadian regional observing system evaluations: Arctic OSEs and Coastal OSSEs for SWOT ([Greg Smith, ECCO](#))

00:33-00:35: **Short Introduction:** NCEP RTOFS System ([Jim Cummings](#) provide the slides.)

00:35-00:55: **Discussion:** The current status of UN Decade, SynObs, ForeSea, OceanObsCode (by GOOS), and CoastPredict

00:55-01:00: AOB

## ★ OceanPredict's Proposals submitted to the UN Decade

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- ◆ OceanPredict proposed a UN Decade Program named  
“ForeSea: The Ocean Prediction Capacity of the Future”
- ◆ The name of the UN Decade Project proposed by the OS-Eval TT was decided as  
“Synergistic Observing Networks for Impactful and Relevant Ocean Predictions (SynObs)”
- ◆ The proposal of SynObs (<https://docs.google.com/document/d/1GhySy16PA5rFXU67X1yzc-OldcsGuj9R>) was submitted as an attachment of the ForeSea proposal.
- ◆ We plan to submit SynObs as a UN Decade Project mainly belonging to ForeSea but also associated with CoastPredict and OceanObsCoDe (We will consider SynObs as the common comprehensive project among ForeSea, CoastPredict, and OceanObsCoDe)
- ◆ CoastPredict was also proposed as a UN Decade Programme (contributed by the COSS-TT, and now considered as one of the UN Decade programmes proposed by GOOS.)
- ◆ Yosuke joined in the CoastPredict Steering Team as a proposer of SynObs.
- ◆ CoastPredict ST is going to propose a session in the Ocean Science Meeting.

## ★ Contributions to Ocean Observing Co-Design (OceanObsCoDe)

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- ◆ One of the UN Decade programmes proposed by GOOS
- ◆ It aims to implement a comprehensive design of ocean observing systems.
- ◆ It's not only for ocean predictions but also for other purposes such as global warming monitoring, ocean eco-system applications, etc.
- ◆ At the end of Phase 1 (first 3 years), it plans to issue an initial authoritative report on ocean observing status, gaps, and design, using OS-Eval results in the climate and operational services areas as a major output.
  
- ◆ So, SynObs should be contribute to the authoritative report.
- ◆ OS-Eval TT originally have a plan to provide the observation impact annual report, which is also included in the objective of SynObs. So, we can modify the idea to fit the purpose of OceanObsCoDe.



## ★ Future Plans

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- ◆ UNESCO-IOC is currently thinking how they organize UN Decade programmes.
- ◆ Probably, IOC will decide the acceptance of UN Decade programmes by June. And it will start the call for UN Decade projects after that.
- ◆ SynObs proposal will be submitted according to the call for the project.
  
- ◆ We plan to have a joint OS-Eval TT & CP-TT symposium, named “Symposium toward Synergistic Observation Networks for Ocean and Earth System Predictions”, on Nov. 30<sup>th</sup> to Dec. 3<sup>rd</sup> in Tsukuba, Japan. (The first announcement will be circulated in April.
- ◆ I hope we can use the symposium as the kick-off event of SynObs if not postponed due to the pandemic.

## ★ How can we progress SynObs?

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- ◆ SynObs includes the open ocean and coastal ocean observing systems, ocean predictions and earth system predictions, and observations of physical and BGC parameters.
- ◆ The proposal shows several combinations of observation data as the targets.
- ◆ Thus, the focus of SynObs becomes much broader than I originally expected.
- ◆ Probably, we need to confirm what we can include into the observation impact report. Therefore, we need to share information on what OS-Eval studies are implemented or planned in each institute, and we may take a questionnaire for that purpose.
- ◆ Fundamentally, we try to coordinate SynObs so that each members can use results of their own OS-Eval studies to contribute to the observation impact report.
- ◆ But, we may also set a couple of specific collaboration project such as multi-system OSSEs using a common nature run for example.
- ◆ SynObs also encourages to develop data assimilation methods for further observation use, but we need to consider how we promote the development.

# ★ Communications

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## ◆ New OceanPredict web page is opened.

We plan to add some contents such as the use-of-observation table to the TT's web page. We will also add the TT's private page (with passwords).

## ◆ TT Membership

- ✓ Core Member/ Associated Member (shown on the web page)
- ✓ Unofficial Member (Member only in the extended mailing list)

## ◆ Meetings

- ✓ OceanPredict & ECMWF joint Symposium (May 17-20)
- ✓ 2<sup>nd</sup> Operational Satellite Oceanography Symposium (May 25-27)
- ✓ US-CLIVAR Tropical Pacific Observation Need Workshop (May 24-26)
- ✓ PIRATA-24 TAV Meeting (May?)
- ✓ OPST-4 (June)

## ◆ Next Meeting

- Date: In April? (This May will be very busy.)