



Online  
21UTC, Jan. 7th, 2025

# *SynObs Web Meeting 13*

## Agenda

1. Recap of OceanPredict'24 Symposium
2. Future Meetings
3. SynObs Workshop, 2026
4. Frontiers in Marine Science, Special Collection
5. Information on collection and data sharing of the flagship OSE data

# ★ Recap of OceanPrdict'24

- ❓ Held on Nov. 18-23 at UNESCO headquarter in Paris
- ❓ Several Presentations on the SynObs flagship OSEs and other SynObs related activities. (We appealed the potential for supporting ocean observing community.)
- ❓ We announced that we will have SynObs international workshop in 2006 at Mutsu, Japan.
- ❓ Discussion with UNESCO-IOC/GOOS people (E. Heslop and J. Post) and Agreed on enhanced communication
- ❓ The Argo ST co-chair Brian King requested OceanPredict group to provide the information on the quality of observation data generated in the process of operations.  
⇒ It is originally included in the target of SynObs.
- ❓ Discussed about possible collaboration with MER-EP (examining the relation between obs density and sread?) and CP-TT (air-sea flux intercomparison?)



# ★ Future Meetings

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## ➤ [SynObs Session for JpGU 2025](#)

- ✓ May 27<sup>th</sup> (Tuesday), AM
- ✓ Convenors: Y. Fujii, S. Kido, Y. Tseng, and J. Xie
- ✓ Invited Speakers: K. A. Peterson, W. Kessler, T. Lee
- ✓ Call for Abstracts: Jan. 16<sup>th</sup> – Feb. 18<sup>th</sup>  
(Deadline for Early bird: Feb. 6<sup>th</sup>)
- ✓ Additional invited speakers: selected from submitted abstracts
- ✓ We expect round 10 submission from international guests.



## ➤ [Wyrтки Symposium](#) (Mar. 12-14, Honolulu)

- ✓ Poster Presentation & Discussion for AMS special issue on ENSO

## ➤ [Argo Science Team Meeting](#) (Apr. 14-18, Scripps) ???

## ➤ [Joint CP-TT/DA-TT Workshop](#) (May 19-22, Boulder) ???

## ➤ [2025 UN Ocean Conference](#) (Jun 9-13, Nice)

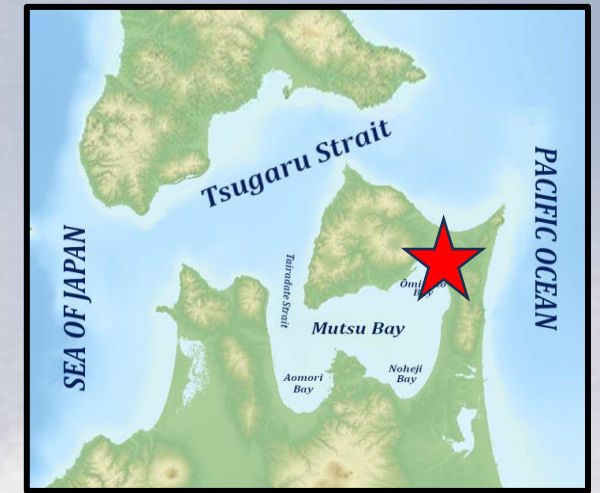
- ✓ Submit to the UN Decade Communication Campaign.

## ➤ [DITTO Summit](#) (Fall, 2025?)

## ➤ We may propose a science session in [AGU Fall Meeting 2025](#) or [Ocean Science Meeting 2026](#)

# ★ SynObs Workshop, 2026

- Period: 24 (Mon) – 29 (Sat), Aug., 2026.
- Location: Mutsu, Japan
- Jointly organized with 30<sup>th</sup> Japanese Summer School on Data Assimilation (JSSDA, 28 (Tue) -30 (Sun))
- We will form the science organizing committee in the fall of 2025.



## Tentative Schedule

Date	Science Events	Social Events
24 (Mon)	Open Session (AM, PM)	Workshop Dinner
25 (Tue)	Open Session (AM, PM)	
26 (Wen)	Open Session (AM, PM)	
27 (Tur)	Open Session (AM)	Excursion and Barbecue (with JSSDA)
28 (Fri)	Inner Meeting (AM, closed)	Special Lecture for JSSDA
29 (Sat)		Town Hall Meeting

# ★ Frontiers in Marine Science Special Collection

- ◆ Almost Completed
- ◆ 15 papers are published
- ◆ 1 paper is under interactive review.
- ◆ Currently writing the editorial paper
- ◆ eBook will be generated.
- ◆ Including the first introductory paper on the SynObs flagship OSEs and other valuable OS Eval Results.

## ◆ Web Page

<https://www.frontiersin.org/research-topics/58025/demonstrating-observation-impacts-for-the-ocean-and-coupled-prediction/overview>

The screenshot shows the Frontiers website interface. At the top, there is a navigation bar with the Frontiers logo, 'About us', 'All journals', 'All articles', a 'Submit your research' button, a search bar, and 'My Frontiers'. Below this is a secondary navigation bar for 'Frontiers in Marine Science' with links to 'Sections', 'Articles', 'Research Topics', 'Editorial board', and 'About journal'. The main content area has a teal header with the breadcrumb path: 'Home > Frontiers in Marine Science > Ocean Observation > Research Topics > Demonstrating Observation Imp...'. The title 'Demonstrating Observation Impacts for the Ocean and Coupled Prediction' is prominently displayed. To the right of the title, two statistics are shown: '2,002 Total Downloads' and '11k Total Views and Downloads'. Below the title, there are tabs for 'Overview', 'Articles 16', 'Authors 86', and 'Impact'.

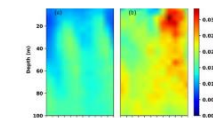


## Recent Articles [See all \(16\) >](#)

ORIGINAL RESEARCH  
Published on 13 Mar 2024

A study of forecast sensitivity to observations in the Bay of Bengal using LETKF

Biswamoy Paul · Balaji Baduru · Arya Paul



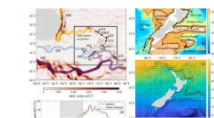
doi 10.3389/fmars.2024.1340129

922 views

ORIGINAL RESEARCH  
Published on 30 Apr 2024

Assessing the impact of subsurface temperature observations from fishing vessels on temperature and heat content estimates in shelf seas: a New Zealand case study using Observing System Simulation Experiments

Colette Kerry · Moninya Roughan · Joao Marcos Azevedo Correia de Souza



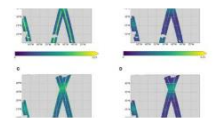
doi 10.3389/fmars.2024.1358193

1,070 views 3 citations

ORIGINAL RESEARCH  
Published on 12 Jun 2024

Impact of assimilating satellite surface velocity observations in the Mercator Ocean International analysis and forecasting global 1/4° system

Isabelle Mirouze · Elisabeth Rémy · Jean-Michel Lellouche · Matthew J. Martin · Craig J. Donlon



doi 10.3389/fmars.2024.1376999

532 views 2 citations

# ★ Collection of the data for the flagship OSEs

## ➤ Data Collection for OP Analysis

System	Center	OSEs	3D TS Data for 2020	Extension to 2022
FOAM	UKMO	?	processing	planned?
GIOPS	ECCC	All	Done	Done
JCOPE-FGO	JAMSTEC	?	processing	planned?
MOVE-G	JMA/MRI	CTL, NoAlt, NoArgo	processing	processing
MOVE-NP	JMA/MRI	CTL, NoAlt, NoArgo	processing	planned
ORA6	ECMWF	?	Done	Done
?	NASA-GNAO	?	Done	?
OPEM_MOM5	Pukyong U.	?	Done	?

## ➤ Data Collection for S2S Analysis (2003-2022)

System	Center	OSEs	3D TS Data	Other data
MOVE-G	JMA/MRI	CTL, NoAlt, NoArgo, NoMoor, NoSST, HalfAlgo, Noinsitu, Free	Processing	not processed yet
ORA6	ECMWF	Oper, Free	Done	Done
GLORe	NOAA-CPC	?	Done	Done

## ★ Information on data sharing

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- ◆ We have completed preparation for sharing the flagship OSE data from the following link.
  - [https://www.jamstec.go.jp/jcope/data/synobs\\_db/](https://www.jamstec.go.jp/jcope/data/synobs_db/)
- ◆ We will put the data as soon as we confirm the approval of each center to put their data as it is.
  - (Please inform the approval of your center by e-mail.)
- ◆ We are now preparing the application for cutting out the data for a sub-domain.
- ◆ We would like to prediction centers and request analysis groups to check the database.
- ◆ We need to decide how we put DOI (a single number or different number for each centers, etc.)
  
- ◆ Yosuke Fujii plans to write a paper for BAMS using the current flagship OSE results
- ◆ We also ask the Tropical Pacific analysis group to create a paper for AMS special issue on ENSO using the 3D TS data of S2S and OP OSEs
- ◆ We probably need to have another meeting to discussion how we analyze the data with analysis groups (not only the tropical group but also another groups).
  
- ◆ Are there any question or suggestion on the analysis of the flagship OSE results?