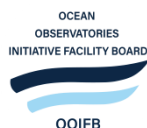


## Final Agenda



Ocean Observatories Initiative Facility Board (OOIFB) and  
Data Systems Committee (DSC) Meetings  
Wednesday, and Thursday, November 13-14, 2024  
University of Washington (UW), Oceanography Teaching Building  
RM 155 (main level)

**Zoom Login Information for Virtual Participants:** The log-in information will be provided separately by email. To receive the Zoom invite, please [RSVP HERE](#).

### **General Meeting Schedule:**

- Wednesday, November 13th – DSC Meeting
- Thursday, November 14th – Joint meeting of the OOIFB and DSC, end of day BBQ
- Friday, November 15th – site visits and other activities (“Field Trip Friday”)

### **Meeting Goals for the DSC:**

- Hear from different groups about their data service activities, including data use cases and cloud services
- Discuss cloud-optimized data model zarr to understand how this could benefit OOI data services
- Discuss how to bring new concepts into the data process and ways to help develop them with user input.
- Review plan for other DSC 2024 actions; prep for annual report; brainstorm future activities

### **Meeting Goals for the OOIFB:**

- Continued identification of strategies that refine the OOI user experience
- Program & MIO updates; coordinate OOIFB and NSF OOI activities
- Discuss OOIFB community engagement activities
- Hear from outside presenters on research and other efforts that can inform OOIFB engagement activities
- Think big about future OOIFB activities and objectives

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**[All times are local, Pacific Time]**

### **Day 1, Wednesday, November 13, 2024**

**\*\*Vans depart the Silver Cloud Hotel by 8am to take participants to UW campus; meet in lobby by 7:45am**

08:30 Coffee

0900 Welcome, Introductions & Review agenda – *Jim Potemra, DSC Chair*

- Brief membership recap/view [welcome Jacqui Degan and Meghan Paulson]

0915 OOI Data Delivery System Presentation – *Jeff Glatstein*

1015 Artificial Intelligence (AI) Data Processes – *Charles Varderman (University of Notre Dame Center for Research Computing)*

1045 BREAK

11:00 External presentations (different groups/agencies and data service activities)

- Global Ocean Observing System (GOOS)- Observation Coordination Group (OCG) and ERDDAP – *Kevin O'Brien (NOAA PMEL/UW)*
- Deep Ocean Observing Strategy (DOOS) overview – *Leslie Smith (Your Ocean Consulting, LLC)*
- Using Machine Learning/Computer Vision with RCA Imagery – *Katie Bingham (UW)*

1230 LUNCH

1330 OOI Data Working Session: Zarr Files (2, 20 min presentations and 10 min Q&A)

Goal of this working session: Learn about cloud optimized data model zarr and discussion whether OOI can benefit from this and what it would “cost” to do so

*Presentation I: Zarr as a data model for the cloud (feasible for OOI?) Deepak Cherian (NCAR)*

*Presentation II: How OOI is using zarr now: RCA as a case study Joe Duprey (UW)*

1430 OOI Data Working Session: DSC data levels document – *Jim Potemra*

Goal of this working session: Decide whether a data classification document is needed and if so what to include

[Additional discussion: OOI data levels and the current scheme for community-provided datasets, *Kristen Fogaren*]

1530 BREAK

1545 Revisit Activities outlined in the 2023 DSC Annual Report (review recommendations, master timeline of activities, updates) – *Jim Potemra*

1615 DSC annual report prep; future activities brainstorming – *Jim Potemra*

1645 DSC Other Business – *Holly Morin*

1650 Around the Table – *Jim Potemra*

1700 DSC Closing Remarks – *Jim Potemra*

1710 Adjourn for the day, vans depart for Silver Cloud Hotel (dinner on your own)

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**Day 2, Thursday, November 14, 2024**

**\*\*Vans depart the Silver Cloud Hotel by 8am to take participants to UW campus; meet in lobby by 7:45am**

08:30 Coffee

0900 Welcome, Introductions & Review agenda – *Dax Soule, OOIFB Chair*

- Brief membership recap/review [applications to close 11/18/2024]
- Reminder, in-person meeting plans: OSU in Spring 2025 (dates?); NSF Fall 2025

0910 Updates from NSF – *George Voulgaris, NSF Program Director*

0930 Update from the DSC – *Jim Potemra, DSC Chair*

- DSC focus areas and activities
- Recap of DSC Discussions from November 13, 2024

0950 Report out from OOIFB-DSC Knowledge Base Subcommittee – *Karen Bemis, Subcommittee Chair*

1020 Updates from the OOI Program Office and MIOs – Updates will include information about operational updates, sensor refresh activities, community engagement efforts, and user metrics. There will be time for questions after each report, with a discussion period at the conclusion of the session.

- 1020: OOI 2.5 Program Update
  - OOI PMO Report – *Jim Edson* (15 min)
  - Community Engagement activities – *Amber Coogan* (10 min)
- 1045: Break (15 min)
- Status of each array and community engagement activities
  - 1100: Regional Cabled Array – *Deb Kelley* (UW)
  - 1120: Endurance Array – *Ed Dever* (OSU)
  - 1140: Pioneer & Global Arrays – *Al Plueddemann/Derek Buffitt* (WHOI)
  - 1200: Discussion

1215 LUNCH

1315 External presentations I (diff groups/agencies- informative to both the DSC and OOIFB)  
Stone Soup & Christmas Trees -- A story of Station Papa – *Meghan Cronin* (NOAA PMEL)

1340 NSF Education Update – *Lisa Rom, NSF Program Director*

- Marine Technology Society (MTS) Microdentials Program – *Liesl Hotaling* (MTS Director of Program Development)

1400 CI and Data Delivery Updates

- OOI Data Delivery Manager Report - *Jeff Glatstein* (10 min)
- OOI Cyberinfrastructure/Data storage - *Craig Risien* (10 min)

- Q&A (10 min)
- 1430 External presentations II
- Designing Mental Wellness at Sea – *Nichole Sams (UW Equitable Mental Health Technologies Researcher)* (20 min)
  - Ocean Networks Canada (ONC) updates (including details on engagement with tribal communities) – *Meghan Paulson (ONC, Director Observatory Digital Operations)* (20 min)
- 1510 BREAK
- 1525 External presentations III
- Seismology, oceanography, and bioacoustics with Distributed Acoustic Sensing (DAS) on the OOI RCA – *Ethan Williams (UW)*
- 1550 OOIFB and the Community (30 min) – *Dax Soule/Holly Morin*
- Update/Discussion: Summer School 2025, Acoustics Workshop (University of Washington)
  - Update: AGU 2024 (Washington DC)
  - Discussion: Axial Seamount Eruption (potential community engagement?)
  - Discussion: JupyterHub data access forum (?)
  - Discussion: Early Career Scientist engagement (starting with AGU 2025?)
  - Discussion: OSM 2026-Glasgow
- 1620 BREAK
- 1630 Afternoon Keynote: [Digital Twins: Key to Sustainable Stewardship of “Urban Sea Systems”](#) – *John Delaney (UW)*
- 1720 Wrap up and closing remarks – *Dax Soule*
- 1730 Adjourn for the Day, vans depart for Silver Cloud Hotel
- 1830 Dinner at [Cafe Arta](#), 6504 20th Ave. N.E. Seattle, WA 98115  
**Vans will leave the Silver Cloud Hotel around 6:15pm** to drive to the restaurant (you could walk from the hotel, but if it is raining, grabbing a van ride would be best)

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**Day 3, Friday, November 15, 2024 (“Field Trip Friday”)**

**\*\*Vans will depart the Silver Cloud Hotel at 9am- meet in the lobby no later than 8:45am**

- 0900 Vans depart Silver Cloud Hotel
- 0915 Arrive, Sand Point Logistics Facility
- 1045 Depart Sand Point

1100 Arrive Ben Hall, UW Applied Physics Laboratory (APL)

1140 Depart Ben Hall

1145 Arrive OPS Center

1230 Vans depart UW campus; back to Silver Cloud