

**UNOLS - OOI Coastal Arrays Workshop
Pioneer and Endurance and the Coastal Cabled Arrays
National Science Foundation
4201 Wilson Blvd.
Arlington, VA 22230
January 5-7, 2016**

Tentative Agenda

In December 2015, the Ocean Observatories Initiative (OOI) infrastructure will be fully commissioned. Ocean scientists can then integrate OOI observations into their research proposals and programs. This workshop provides a forum for potential researchers to further their understanding of the capabilities of coastal observatory component (Pioneer and Endurance and the Coastal Cabled Array) of the OOI and to learn optimal approaches for accessing and using the data.

Day 1 – January 5th – Tuesday

The goal of day 1 is to familiarize participants with OOI, its capabilities and how to access the data.

0800 **Coffee & Check-In** – NSF Room 375

0830 **Welcome from Organizers and Review of goals of the workshop**

0840 **Welcome from NSF** – Rick Murray

0910 – **Overview of the OOI** -Bob Weller, Science Oversight Committee Head (10 min)

0920 OOI – The Big Picture - Scott Glenn, Oscar Schofield, Manish Parashar
QA/QC philos, best practices, cruise data pre/post

0940 Overview of Endurance and the Coastal Cabled Array – Jack Barth, Project Scientist and Orest Kawka

1000 Overview of Pioneer Array – Al Plueddemann, Project Scientist

1020 Q&A

1040 **Break**

1100 **OOI Cyber Infrastructure (CI) Team** –Mike Vardaro and Mike Crowley - Initial familiarization with CI - Overview of the GUI, test of the system, logins, help system, ticketing, etc.

1200 **Lunch** (purchase lunch)

1300 **Breakout Session Instructions** (Room 375)

1315 **Breakout Session – Observatories**

- Coastal Endurance Array and the Coastal Cabled Array (including sampling strategies) – Jack Barth and Kristen Davis (Room 375)
- Coastal Pioneer Array (including sampling strategies) – Al Plueddemann and Wally Fulweiler (Room 340)
- Modeling – Mike Vardaro and Chris Edwards [addressing CI issues relevant to modeling (eg. Machine to machine) - John Kerfoot available via Webex - Data acquisition, data uncertainty, model assessment] (Room 360)
- Education and Outreach – Scott Glenn & Sage Lichtenwaler (Room 380)

1430 **Afternoon Break**

1445 **Breakout Session - Observatories** (*continued*) – This might be a good time to switch sessions IF you identify with more than one.

- Coastal Endurance Array and the Coastal Cabled Array (including sampling strategies) – Jack Barth and Kristen Davis (Room 375)
- Coastal Pioneer Array (including sampling strategies) – Al Plueddemann and Wally Fulweiler (Room 340)
- Modeling – Mike Vardaro and Chris Edwards [addressing CI issues relevant to modeling (eg. Machine to machine) John Kerfoot available via Webex - Data acquisition, data uncertainty, model assessment] (Room 360)
- Education and Outreach – Scott Glenn & Sage Lichtenwaler (Room 380)

1600 **Plenary:** Report out from each Breakout Session identifying issues and topics to address in Day 2 (Room 375)

15 Minutes each – inclusive of Q&A.

At this point attendees should understand the two observatories, understand how to get at data, understand a bit about what kind of science can be done with the observatories.

1700 **Adjourn Day 1**

1700 Leadership meeting to do mid-course adjustments to agenda

6:30 Evening Group Dinner – A buffet dinner is planned for all workshop participants at the Holiday Inn at Ballston.

**UNOLS - OOI Coastal Arrays Workshop
Pioneer and Endurance and the Coastal Cabled Arrays
National Science Foundation
4201 Wilson Blvd., Arlington, VA 22230
January 5-7, 2016**

Day 2 - January 6th - Wednesday

The goal of day 2 is discussing science themes driving data prioritization.

- 0830 **Welcome back** – Review agenda – Larry Atkinson (Room 375)
- 0840 **OOI Data Status as of January 6, 2016** – Oscar Schofield & Scott Glenn
- 0900 **Overview of Proposal Submitting Guidelines (NSF)** – Eric Itsweire and Jean McGovern - Topics will include:
- Proposals to use the data
 - Proposals that will add/modify sensors - science-operational interface and how it will be set up to enable shifts to mobile asset and mooring sampling rates and patterns
 - Proposals for ship opportunities
- 0940 **Access to IOOS data relevant to OOI** - Kathleen Bailey, IOOS Office
- 1000 **QA/QC and Timeline of Data Availability** – Bob Weller
- 1015 **Break**
- 1030 **Participant Slides (Session 1)** – Kristen Davis - How do you see using OOI? – One slide from each workshop participant
- 1100 **Plenary: Climate warming events and linkage between the Pioneer and Endurance Observatories** – Glen Gawarkiewicz and Jack Barth (Room 375)
- 1130 **Participant Slide (Session 2)** – Evelyn Lessard - How do you see using OOI?
- 1230 **Lunch** (purchase lunch and return to workshop for plenary session)
- 1330 **Plenary – NetCDF and THREDDS Training** – OOI/CI Team
- 1445 **Break**
- 1500 **Breakout Session – Science themes** (Discussion of Science Themes driving Data Prioritization)

Breakout 1 – Pioneer Array

- Biogeochemical processes – Wally Fulweiler
- Cross shelf dynamics – Ruoying He
- Ecosystem dynamics
- Coastal climate impacts that span both coasts – Glen Gawarkiewicz

Breakout 2 – Endurance and Coastal Cabled Arrays

- Biogeochemical processes
- Cross shelf dynamics
- Ecosystem dynamics
- Coastal climate impacts that span both coasts

1600 **Plenary with report out from Breakout Sessions**, general Discussion (Room 375)

Report out and feedback discussion – Bob Weller

1630 **Plenary discussion of critical topics and plan for Day 3**

1700 ***Adjourn Day 2***

1700 Agenda readjustment meeting – workshop leadership

Evening – on your own. There is space in the Holiday Inn lobby for conversation and networking.

Day 3 – January 7th – Thursday

The goal of day 3 is to summarize the experience and plan for the future

0830 **Welcome and workshop updates** – Larry Atkinson (Room 375)

0840 **Review Action Item List** – Bob Weller

0900 **Summarize Priorities and Next Steps** – Oscar Schofield and Scott Glenn

0930 **Community Communication/Outreach** - discussion

- Data Portal is Open
- Communications to the Science Community
- Announcing Events

0945 **Open Discussion/Comments**

1000 **Final Comments** from NSF, OOI and emerging leaders in the attendees - Rick Murray, Eric Itsweire, Jean McGovern, others

1015 **Adjourn Workshop**

1030 **Executive Session** – Steering committee, OOSC members, OOI Project team

Meeting Presentations are available at:

<https://www.unols.org/event/meeting/unols-ooi-coastal-arrays-workshop>