

**U.S. IOOS Advisory Committee Fall 2016 Meeting
October 11-13, 2016
Seattle and La Push, WA**

**Day 1: October 11, 2016 8:30 a.m. – 1:00 p.m.
Applied Physics Lab -University of Washington
Hardisty Conference Room
Henderson Hall, 6th floor
1013 NE 40th Street
Seattle, WA 98105-6698**

8:30 – 9:00	Breakfast
9:00 – 9:15	Welcome and expectations by Chair: VADM (ret.) Conrad Lautenbacher
9:15 – 9:30	Introduction to “Big Data” – Framing the half day discussion: Tom Curtin and Justin Manley (Committee Members)
9:30 – 10:30	Panel Discussion on “Big Data” and Relating it to IOOS and Ocean Observing¹: Chitra Sivaraman (Dept. of Energy - Pacific Northwest National Lab), Edward Kearns (NOAA – Big Data Project), Aaron Marburg (UW – APL), Nazila Merati (Merati and Associates, PLLC), Felix Chen (Society Consulting), Robert Fatland (UW – APL)
10:30 – 10:45	Break
10:45 – 11:45	Discussion: How might the IOOS enterprise engage in big data efforts?
11:45 – 12:00	Public Comment
12:00– 1:00	Lunch
Afternoon	Travel to La Push

Virtual Log-In Information:

Virtual attendance is only available for the meeting in Seattle.

To connect by WebEx:

[Click on link to join the meeting.](#)

Meeting number: 740 802 865

Meeting password: Committee123\$

To join by phone:

Call-in toll-free number (Verizon): [1-866-759-4289](tel:1-866-759-4289) (US)

Attendee access code: 143 876 9

U.S. IOOS Program
1315 East-West Highway, 2nd Floor
Silver Spring, MD 20910
Email: Jessica.snowden@noaa.gov
www.ioos.noaa.gov/advisorycommittee

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¹Questions for Panel

Given the IOOS Mission: Lead the integration of ocean, coastal, and Great Lakes observing capabilities, in collaboration with Federal and non-Federal partners, to maximize access to data and generation of information products, inform decision making, and promote economic, environmental, and social benefits to our Nation and the world.

Questions:

What analytical and computational breakthroughs can “Big Data” contribute toward maximizing access to ocean data, generating information of value, informing decision making, and stimulating economic and environmental benefits?

What is the potential value of Big Data techniques to the IOOS Regional Associations and Program Office, and what is the best way to extract that value?

Does exploiting Big Data and advance analytics require modifications to data acquisition and archiving that RA’s and the Program Office need to aware of and plan for?

How can IOOS capitalize on the current NOAA experimental “Big Data Project” (NBDP)?

Which of the five partners (CRADAs) is most appropriate to work with in implementing a pilot data set demonstration? What are the candidate pilot data sets?

What kind of organizational change efforts have you seen which helped federated organizations like IOOS transform from traditional collect/manage/archive operations into being able to exploit advanced analytics and cloud based operations?

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**Day 2: October 12, 2016 8:30 a.m. – 5:00 p.m.
Quileute Administrative Building
La Push, WA**

- 8:30 – 9:00 Breakfast
- 9:00 – 9:05 Call to order by Chair: VADM (ret.) Conrad Lautenbacher
- 9:05 – 9:20 Welcome and remarks from Quileute Tribal Council
- 9:20 – 9:35 Pacific Northwest Treaties: Presentation by Katie Krueger of Tribal Natural Resource Program
- 9:35 – 9:50 Remarks from Jan Newton, NANOOS Executive Director
- 9:50 – 10:50 **Panel - Pacific Northwest Ocean Observing: Current Successes, Future Challenges**
Joe Schumacker (Quinault Indian Nation), Dick Feely (NOAA Pacific Marine Environmental Laboratory), John Stein (NOAA Northwest Fisheries Science Center), Carol Bernthal (NOAA Olympic Coast National Marine Sanctuary)
Focus on observing needs and challenges from hosts/regional experts
- 10:50 – 11:10 Break
- 11:10 – 12:00 Panel follow on Discussion
- 12:00– 1:00 Lunch
- 1:00 – 2:00 **Presentation and Discussion - Ocean Observing and Industry: Supporting the NW Economy**
Jeff Hetrick (Alutiiq Pride Shellfish Hatchery), Jan Newton (NANOOS)
How is IOOS working to support the industry; how can IOOS better support it?
- 2:00 – 2:45 Presentation and Update from the IOOS Association from Josie Quintrell (Director)
- 2:45 – 3:00 IOOS Office Update, Jessica Snowden (IOOS)
- 3:00 – 3:15 Break
- 3:15 – 4:30 **IOOS AC and IOOC Discussion: The Challenge of Integration**
David Legler (IOOC Co-Chair)
How do we define it? How do we advance it from the local to global scale? Consider integration exercise focused on one variable from the local to global scale.
- 4:30 – 4:45 Public Comment(s)
- 4:45 – 5:00 Wrap up and adjourn (Chair)

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**Day 3: October 13, 2016 8:30 a.m. – 2:30 p.m.
Quileute Administrative Building
La Push, WA**

- 8:30 – 9:00 Breakfast
- 9:00 – 9:15 Expectations for Day 2 by Chair: Conrad Lautenbacher
- 9:15 – 10:15 **Presentation and Discussion - Navigating the Northwest**
Dan Jordan (Columbia River Bar Pilots)
How is IOOS used in navigation? What gaps remain which IOOS could help fill?
- 10:15 – 10:30 Break
- 10:30 – 12:00 Follow on Discussion
- 12:00 – 1:00 Lunch
- 1:00 – 2:00 Working session: outcomes and next steps
- 2:00 – 2:15 Public Comment
- 2:15 – 2:30 Wrap up and adjourn

****Agenda subject to change. Please refer to the website for the latest version. Italicized names of speakers are not yet confirmed.***