

Community Engagement Plan: Background

- A deliverable of OOI 2.0 in Q1 of Program Year I
- Five-year timeframe
- Will inform specific activities in each Annual Work Plan
- Draft 1 currently under review by PI/PS Team
- Further development in close collaboration with OOIFB
- Inputs:
 - COL and SOC recommendations
 - Experience and ongoing commitments of PI/PS Team
- Role models:
 - International Ocean Discovery Program (IODP) – community
 - Ocean Networks Canada (ONC) – metrics
 - National Ecological Observatory Network (NEON) – well developed Community Engagement, Communications, and Evaluation Plans

Community Engagement Plan: Draft Goals

1. Optimize the OOI:

Continuously improve and adapt OOI data, resources, and infrastructure through interactive community engagement.

2. Build a robust, active, and inclusive OOI user community:

Build and leverage community relationships across scales (coastal, regional, and global) to facilitate community-driven research and education using OOI data, resources, and infrastructure. In the near-term, the primary target audience will be the scientific research community.

3. Cultivate future OOI users:

Facilitate collaborative training and professional development for scientists and other potential users of OOI data and research platforms.

Sample Goal 2 Objective: Increase non-IO Participation

Activity	Expected Outcome	Metrics
Session organization & presentation solicitation at National Meetings	<ul style="list-style-type: none"> • New contacts & ideas • Community feedback on OOI data & systems 	<ul style="list-style-type: none"> • Presentations contributed • Formal feedback • Citation statistics
Town Halls and Booths at National Meetings	<ul style="list-style-type: none"> • New contacts & ideas • Community feedback on OOI data & systems 	<ul style="list-style-type: none"> • Participation statistics • Follow-up statistics
One-day early career workshops before or after National Meetings	<ul style="list-style-type: none"> • Contact with & engagement of early-career scientists 	<ul style="list-style-type: none"> • Statistics of participation • Formal post-workshop assessments
Engagement with major research programs (OSNAP, EXPORTS, ...)	<ul style="list-style-type: none"> • Optimize data delivery • Identify opportunities for infrastructure enhancement 	<ul style="list-style-type: none"> • Statistics of contacts • Formal agreements • Citation statistics
Webinars & individual staff consultations with prospective users	<ul style="list-style-type: none"> • Enhance use of OOI data & infrastructure • Addition of new sensors 	<ul style="list-style-type: none"> • Formal agreements • Citation statistics
OOI team visits to COL & UNOLS institutions, gov't labs	<ul style="list-style-type: none"> • New contacts & ideas • Community feedback 	<ul style="list-style-type: none"> • Statistics of visits • Statistics of new users

PY I Activities: OOI-wide

- **Website refreshment**
 - Triage to retain, update, or remove existing content
 - Each IO generates & uploads new content for review
 - PI/PS team responsible for featured content on regular intervals
 - Data Delivery Manager responsible for ensuring data flow
- **OceanObs19 article**
 - Abstract submitted, full article invited, partial draft exists, due 31 Oct 2018
 - Venue: Frontiers in Oceanography
 - Refereed citable article that synthesizes & updates science questions, describes arrays, highlights results, and identifies opportunities
- **Data use and statistics**
 - Analysis of existing information gathered by CI
 - Development of new statistics
- **Data citation & DOI**
- **OOIFB engagement**

PY I Activities: WHOI

- **National meetings:**
 - 2018 AGU Fall Meeting, Washington, DC. Presentation and participation in OOIFB Town Hall.
 - ASLO 2019, Puerto Rico, Coastal Ecosystems Session.
- **Regional Outreach:**
 - 2018 Mid-Atlantic Bight Physical Oceanography and Meteorology Conference, WHOI, Oct 2018. Pioneer Array Presentation.
 - Fishing community: Visit and presentation at Commercial Fisheries Research Foundation, Point Judith, RI.
- **Early Career:** Graduate student and postdoc participation on cruises.
- **Public/Museum:** Proposal to turn Pioneer Array data into "soundscapes" to make ocean data accessible to the visually impaired.

PY I Activities: UW

- Oregon Fishermen's Cable Committee and Fisheries Management
- Ocean Obs19
- Meeting with OOI WA Tribal Communities
- IEEE Oceanic Engineering Society Meeting Seattle Oct 2019
- IEEE OES Autonomous Underwater Vehicle Symposium Spain 2018
- Seismological Society of America Meeting April 2019
- VISIONS19 (~ 25 undergraduate, graduate, early career)
- Ocean411 Seagoing Research and Discovery (~ 20 undergraduate students use OOI data & cruise imagery to produce documentaries, video, senior theses)
- Queens College, NY (undergraduate sea-going experiences and mentoring using CA OOI data)
- West Sound STEM Senior Leadership (several thousand K12 students)
- Several talks/year to K12 schools

PY I Activities: OSU

- **National meetings:**
 - AGU Fall Meeting. 2018. OOIFB town hall.
- **Regional Outreach:**
 - 2019 Eastern Pacific Ocean Conference (EPOC)
 - Sea Grant-sponsored Oregon State of the Coast meeting and Oregon Coastal and Ocean Information Network (OCOIN).
 - Oregon Fishermen's Cable Committee meetings in Newport and potentially other OFCC meetings on Oregon coast.
 - Seminar on OOI data access to Oregon Department of Fish and Wildlife in Fall 2018, prompted by ODFW interest in dissolved oxygen data during hypoxic events on the Oregon coast.
- **STEM/Early Career:** continue undergraduate student participation on cruises.
- **Public/Museum:** Hatfield Marine Science Center Marine Science Day in spring 2019 in Newport, OR; tours of OOI facilities in Corvallis to university students including summer REU fellows from across the US.