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

<table>
<thead>
<tr>
<th>Activity</th>
<th>Expected Outcome</th>
<th>Metrics</th>
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<tbody>
<tr>
<td>Session organization &amp; presentation solicitation at National Meetings</td>
<td>• New contacts &amp; ideas&lt;br&gt;• Community feedback on OOI data &amp; systems</td>
<td>• Presentations contributed&lt;br&gt;• Formal feedback&lt;br&gt;• Citation statistics</td>
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<tr>
<td>Town Halls and Booths at National Meetings</td>
<td>• New contacts &amp; ideas&lt;br&gt;• Community feedback on OOI data &amp; systems</td>
<td>• Participation statistics&lt;br&gt;• Follow-up statistics</td>
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<tr>
<td>One-day early career workshops before or after National Meetings</td>
<td>• Contact with &amp; engagement of early-career scientists</td>
<td>• Statistics of participation&lt;br&gt;• Formal post-workshop assessments</td>
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<td>Engagement with major research programs (OSNAP, EXPORTS, …)</td>
<td>• Optimize data delivery&lt;br&gt;• Identify opportunities for infrastructure enhancement</td>
<td>• Statistics of contacts&lt;br&gt;• Formal agreements&lt;br&gt;• Citation statistics</td>
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<tr>
<td>Webinars &amp; individual staff consultations with prospective users</td>
<td>• Enhance use of OOI data &amp; infrastructure&lt;br&gt;• Addition of new sensors</td>
<td>• Formal agreements&lt;br&gt;• Citation statistics</td>
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<tr>
<td>OOI team visits to COL &amp; UNOLS institutions, gov’t labs</td>
<td>• New contacts &amp; ideas&lt;br&gt;• Community feedback</td>
<td>• Statistics of visits&lt;br&gt;• Statistics of new users</td>
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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:
  – 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.
PYI 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:**

• **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.