OOI Education Activities

Websites and Workshops
November, 2019
Lisa Rom, NSF/OCE
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>Janice McDonnell</td>
<td>Rutgers University</td>
<td>Project Manager</td>
</tr>
<tr>
<td>Kristin Hunter-Thomson</td>
<td>Rutgers University</td>
<td>Data Activity Development</td>
</tr>
<tr>
<td>Sage Lichtenwalner</td>
<td>Rutgers University</td>
<td>Data Widget &amp; Website Development</td>
</tr>
<tr>
<td>Annette deCharon</td>
<td>University of Maine</td>
<td>Concept Mapping</td>
</tr>
<tr>
<td>Catherine Halversen</td>
<td>Lawrence Hall of Science, University of California, Berkeley</td>
<td>Pedagogy</td>
</tr>
</tbody>
</table>

- **WEBSITE** - https://oceanobservatories.org/
Website Development/Crosswalk to Textbook

• Developed Initial Education Portal for OOI Website

• Developed Data Explorations for Undergraduate audience

• Cross-walked OOI Data Examples to Oceanography Textbook by A. Trujillo
• Exploring Primary Production with OOI Data - May 20-22, 2016

• Exploring Ocean Chemistry with OOI Data - May 19-21, 2017

• Exploring Geology in the Ocean with OOI Data - June 2-4, 2017
<table>
<thead>
<tr>
<th><strong>Physics</strong></th>
<th>Ocean circulation, mixing, and ocean-atmosphere exchange</th>
<th>May 21-25</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biology</strong></td>
<td>Ecosystem dynamics and biophysical interactions</td>
<td>June 18-22</td>
</tr>
<tr>
<td><strong>Geology</strong></td>
<td>Rock-fluid interactions and plate-scale geodynamics</td>
<td>July 16-20</td>
</tr>
<tr>
<td><strong>Chemistry</strong></td>
<td>Ocean biochemistry and the carbon cycle</td>
<td>July 30 to August 3</td>
</tr>
</tbody>
</table>
OOI Ocean Data Labs Workshops (2019)

- NJ: Chauncey Center, Princeton  March 8-13
- NJ: Rutgers University Inn, New Brunswick  June 1-6
- CA: Asilomar Conference Center, Pacific Grove  July 22-26
- WA: Western Washington University, Bellingham  August

Mini-Workshop @ the Earth Educators' Rendezvous  July 16-17

WEBSITE:  https://datalab.marine.rutgers.edu/
Summary Workshop for Education (COL) - April 26-28, 2019.
Ocean Hackweek 2019:
Many other activities are ongoing with other sources of funding.
Two Sessions at OCEANS 2020 in San Diego: 50% of abstracts are OOI-related.
Sixteen new Data Explorations are under development & mini-grant program.

Wu-Jung Lee, Amanda T. Lehr, Valentina Staneva, Univ. of Washington
ED2040 Teaching with Data: Engaging Students in Learning Ocean Sciences Through Large Data Sets II Posters - Cheryl Lee Greengrove, University of Washington Tacoma Campus
ED214A-07 OOI Data Labs Workshops: Equipping professors with the tools to tap into a fire hose of ocean data for undergraduate education - Anna Pfeiffer-Herbert, Stockton University

Other OOI 1.5 Activities
What is next for OOI Education 2.0?

- OOI data access is no longer centralized
- Many more people are involved - using data and developing educational tools and products
- Goal: How best to support distributed efforts for educational development and use of OOI Data?