Ocean Observatories Initiative (OOI) Teaching with Data Workshop
May 20-22, 2016 – Participant Agenda

Prior to Workshop
Participating faculty are asked to complete a concept map of how they teach primary productivity and to upload current biological productivity resources.

Friday, May 20, 2016
4:00 pm	Welcome & Check-in
6:00 pm	**Welcome and Introductions**
6:15 pm	Dinner
6:45 pm	**Introduction to the OOI Context for Teaching with Data**
	Brief introduction to the OOI and objectives.
7:00 pm	**What is our Motivation for Teaching with Data?**
	Explore authentic data experiences in teaching, and common challenges in teaching with data in introductory undergraduate courses.
7:30 pm	**Biological Productivity Activity**
	Engage in that could be augmented with authentic data.
8:00 pm	**Invitation Concept Map of Teaching Primary Productivity Discussion**
	Review and discuss concept maps that participants developed prior to the workshop and then discuss the use of concept maps with students.
8:30 pm	**Share Resources and Weekend Expectations, Overview of Workshop Goals**
9:00 pm	Conclude for the evening

Saturday, May 21, 2016
8:30 am	Updates & Review Plan for the Day
8:45 am	**Reflection on Teaching with Data**
	Engage in reflection and discussion about pros and cons as well as personal strengths and weaknesses in teaching with data.
9:15 am	**Context for How we Got Here**
	Provide the background of process for how the activities were developed.
10:00 am	**Explore OOI Data Activities in Small Groups**
	Engage in an activity as students in small groups.
10:30 am	**Share-out of OOI Data Activities among Small Groups**
	Share with one another summaries of their data activities.
11:30am	**Introduction to the Learning Cycle**
	Introduction to the different parts of the Learning Cycle and why it is important to vary what kinds of activities you use in teaching.
12:15 pm	Lunch
1:00 pm	**Introduction to OOI Vocabulary Navigator**
	Discuss how to access the OOI assets through the vocabulary navigator.
1:30 pm	**Designing Educational Visualizations**
	Discuss what goes into creating educational data visualizations and the needs of helping students understand and visualize data better.

2:00 pm	Break
2:15 pm	**Foundational Ideas of Learning**
	Review instructional design and how foundational knowledge of learning can be applied to our teaching.
2:45 pm	**Modify Data Activities**
	Make modifications/adaptations to the data activities in small groups.
3:45 pm	Break
4:00 pm	**Share Modifications to Data Activities**
	Participants will share with one another what modifications/adaptations they made to their data activities and why.
4:30 pm	**Brainstorm Where to Integrate Data Activities into Teaching**
	Discuss where to add data into their teaching and why.
5:00 pm	**Daily Reflection**
6:00 pm	Leave for dinner at Old Man Rafferty's in New Brunswick, NJ

Sunday, May 22, 2016

8:00 am	Updates & Review Plan for Day
8:15 am	**Reflection Concept Map of Teaching Primary Productivity discussion**
	Review and discuss revisions to concept maps and discuss how to use concept maps to assess students' knowledge and learning.
9:30 am	**Reflection on Effective Practices for Teaching with Data**
	Discuss how to connect the strategies for effective teaching with data and the provided data activities.
10:00 am	Break
10:15 am	**Implementation Plan Development & Share-Out**
	Participants chart out how and where they will incorporate data activities into their course next year.
11:30 am	**Overview of OOI and OOI Data**
	Explore OOI data, what is online now, and what will be online in the future.
12:15 pm	Lunch
1:15 pm	**Using Data to Inform Teaching Practices**
	Discuss how to incorporate data into courses to teach large concepts.
2:00 pm	**Next Steps**
	Brainstorm of next steps as a community committed to helping students build data literacy skills through interacting with authentic data.
2:30 pm	**Reflection, Wrap up**
3:00 pm	Travel Home

Post Workshop

Participating faculty are asked to test two or more of the data activities in their class.