

Developing realistic proposals and hypotheses to carry forward deep ocean observations on the OOI Cabled Array and broader NE Pacific.

OOI Deep Ocean Observing Workshop

27-29 August 2018 Seattle, Washington

Courtyard by Marriott Seattle 925 Westlake Ave N Seattle, WA 98109



MONDAY AUGUST 27, 2018

DAY 1 OBJECTIVE: Provide background information to guide the creation of a set of science questions that can be addressed using the OOI and surrounding observatories.

Time	Agenda Item		Person	Time	
8:00	Continental Breakfast (provided)				
8:30	6	come a. Opening Remarks/Housekeeping b. Welcome from the National Science Foundation	Leslie Smith Lisa Clough	5 min 5 min	
8:40	II. Wor	kshop Participant Introductions	ALL	20 min	
9:00	III. Outl	ine of Workshop Goals and Objectives	Kristen Yarincik	15 min	
9:15	6	Ocean Observatories Initiative a. Overview & Deep Assets in the NE Pacific b. Introduction to the Cabled Array	Kendra Daly Deb Kelley	15 min 30 min	
10:00	á	Deep Ocean Observing Strategy a. Introduction to GOOS b. Introduction to DOOS & DOOS Projects	Andrea McCurdy Lisa Levin	10 min 20 min	
10:30	Break				
11:00	6	Pacific Regional Observatories a. Ocean Networks Canada b. NANOOS	Kim Juniper Jan Newton	15min/each	
11:30	6	ential Ocean Variables a. Introduction to concept of EOVs b. Update on Deep Ocean EOVs i. Biology ii. Biogeochemistry	Henry Ruhl Henry Ruhl Felix Janssen	5 min	
	C	iii. Physics iv. Solid Earth c. Connection between OOI and the EOVs	Bruce Howe Bruce Howe Leslie Smith	10 mins/each	
12:30	Lunch (provi	ded) – Lightning Talks			



AGENDA DAY 1:

MONDAY AUGUST 27, 2018

1:30	I. DOOS Science Questions	Felix Janssen	15 min		
1:45	II. Discussion of working group topics	Henry Ruhl & Felix Janssen	75 min		
	Goal: This discussion will center around determining the key, cross-discipline science questions for each of the 4 initial working groups. Questions will focus on aspects of the deep ocean that can be addressed by the OOI and neighboring observatories in the NE Pacific. Going into the break, folks will be divided into their *preliminary* groups and will reconvene at their working group meeting location.				
3:00	Break				
3:30	III. Individual Working Groups		45 min		
	Goal: Groups explore their science questions in more detail. The aim is to come up with a brief description of how your questions can be addressed using the OOI and nearby NE Pacific observatories. Make sure to focus on the types of measurements needed (what is available and what would need to be added).				
4:15	IV. Working Group Report Out	Group Reps	45 min		
	Goal: Groups present their ideas to receive feedback (10 min each group). This report out will provide a local at how questions have evolved. Questions that have become very similar (e.g. similar measurement needs) may seek to merge and groups with split interest may wish to separate. Additionally, these presentations will give participants the opportunity to see if the focus of another group better fits their interest. After this report out, questions will be solidified for the remainder of the workshop.				
5:00	V. Day 1 Wrap-Up & Day 2 Look Ahead	Leslie Smith	15 min		
5:15	Working Dinner (provided) until 8pm at Art Marble 21 with Data De	no (by Mike Vardaro))		



AGENDA DAY 2:

TUESDAY AUGUST 28, 2018

DAY 2 OBJECTIVE: Solidify working groups surrounding these questions and craft the details of how to address them.

Time	Agenda Item	Person	Time		
8:00	Continental Breakfast (provided)				
8:30	I. Hello and Objectives for Day 2				
0.00	a. Brief review of final group themes/topics	Leslie Smith	15 min		
8:45	II. OOI Data	Mike Vardaro	15 min		
9:00	III. Individual Working Groups		90 min		
	Note: Participants may switch to a new group now but must stay there for the duration. Goal: Draft a brief 10-minute presentation about your group's key science questions and how to address them. In your discussion/presentation, focus on addressing whether existing OOI & nearby regional observatories fully address these questions and if not, what modifications would be needed.				
10:30	Break				
11:00	IV. Working Group Report Out	Group Reps	20 min each		
12:30	Lunch (provided) – Lightning Talks				
1:30	VI. Modelling – what data are available to the region	Chris Edwards	15 min		
1:45	VII. Deep Ocean Sensors & Technology a. Scalable Methods and Approaches b. Cabled Array Technology	Henry Ruhl & Dana Manalang Orest Kawka	15 min each		
2:15	V. Discussion - Deep Ocean Sensors & Technology	Bruce Howe	45 min		
	 Goal: The discussion will address the following topics Difference in sensor technology for global vs regional observational purposes Variation in platform needs (cabled junction box vs float) New sensors in development (prototype vs mature) and sensor readiness testing protocols 				
3:00	Break				
3:30	VI. Individual Working Groups		80 min		
	Goals: (1) Re-group after receiving comments from presentations and finalize group slide set (deliverable). (2) Technology and Sensor needs for you question(s) and respective readiness levels.				
4:50	VII. Day 2 Wrap-Up & Day 3 Look Ahead	Leslie Smith	10 min		
5:00	Adjourn				





WEDNESDAY AUGUST 29, 2018

Day 3 Objective: Create a road map to a project proposal

Time	Agend	la Item	Person	Time			
8:00	Contin	Continental Breakfast (provided)					
8:30	I.	Hello and Objectives for Day 3	Leslie Smith	15 min			
	II.	Proposing to use the OOI (data, adding infrastructure, etc)					
8:45		a. Overview of Science Change Request Process	Leslie Smith	20 min			
		b. Cabled Array Specific Changes	Deb Kelley	10 min			
9:15	III.	Discussion – Adding Infrastructure	Deb Kelley & Paul Snelgrove	45 min			
		2) Does this infrastructure currently exist or is it still in development?					
10:00	IV.	Discussion – Potential Funding Sources	Lisa Clough	30 min			
	Goal: Discuss the potential funding sources that may be able to fund projects like these.						
10:30	Break						
11:00	V.	Individual Working Groups		90 min			
	Goal:	Discussion of infrastructure additions (instruments, platforms) and	potential funding s	ources.			
12:30	Lunch	(provided) – Lightning Talks					
1:30	VI.	Individual Working Groups		90 min			
	Goals: 1) 2) 3)	2) Solidify level of commitment from working group members; identify key leadership individuals					
3:00	Break	Break					
3:30	VII.	Final Working Group Report Out	Group Reps	20 min each			
	Goal: Describe progress, plan moving forward, and any remaining questions/comments for feedback						
4:50	Works	Workshop Wrap up & Farewell Leslie Smith 10 min					
5:00	Works	Workshop Concludes					