

## Draft Agenda: EPOBS

Day 1	
7:30	Breakfast
8:30	Welcome: Goals of the Meeting <ul style="list-style-type: none"> <li>• Science goals</li> <li>• Facility goals</li> <li>• Overview of PI- and Community-driven experiments</li> <li>• Workshop products</li> </ul>
8:50	NSF Opening Remarks <ul style="list-style-type: none"> <li>• Future NSF Opportunities</li> <li>• Models for managing and funding PI- and community-driven experiments</li> <li>• Models of managing and funding facilities</li> <li>• Procuring new instruments</li> </ul>
9:20	Overview of Current OBSIP Facility (including Amphibious component) <ul style="list-style-type: none"> <li>• Types and number of instruments</li> <li>• Existing Capabilities</li> <li>• Standard Operations</li> <li>• Data Availability</li> </ul>
9:50	Report from User's Retreat
10:05	OBS Primer Present FAQ's for 10 minutes with answers 5 for questions from audience.
10:20	Plenary Discussion
10:45	--- Coffee Break ---
<b>11:00</b>	<b>Talks: Results from OBSIP Experiments</b>
11:00	Highlights of OBSIP Experiments <ul style="list-style-type: none"> <li>• QDG Transform</li> <li>• PLUME</li> <li>• GLIMPSE</li> <li>• MARGINS/CD Active Source</li> </ul>
12:30	--- Lunch ---
<b>13:30</b>	<b>Talks: Emerging Technologies</b>
13:30	Emerging Technologies (Part 1) <ul style="list-style-type: none"> <li>• New Technologies to meet the Grand Challenges</li> <li>• Industry Roadmap for the Future</li> <li>• New Sensors: Inertial, Pressure and Geodetic sensors in development</li> <li>• Reduction of ocean/seafloor noise</li> </ul>
15:20	----Coffee Break----
<b>15:40</b>	<b>Breakout Session #1: Expanding Access and Impact</b>
15:40	1A. Data access and availability 1B. Expanding OBSIP user base 1C. Improving Educational footprint 1D. Community and PI Experiments 1E. Priorities in Technological/Facility Development * Each group will discuss the topics above
16:40	Breakout Reports and Plenary Discussions
17:40	Break
18:00	Dinner
19:00	Poster Session

Day 2	
7:30	Breakfast
8:30	Recap/Plan
<b>8:40</b>	<b>Science Opportunities for EPOBS (Invited speakers)</b>
8:40	Ambient Noise Opportunities
8:55	Body/Surface Wave Studies in the ocean
9:10	Earthquake Mechanics/Fault Studies
9:25	Examples of Community Experiments, i.e., experiments whose scale and interest is such that it requires community cooperation
9:40	Global leapfrogging
9:55	Coordination with USArray
10:10	---Coffee Break---
<b>10:30</b>	<b>5-Minute Science Nuggets: Ideas from the floor</b>
<b>10:50</b>	<b>Breakout Session #2: Science Opportunities</b>
	2A Passive Continental Margins 2B Ridges and Oceanic Mantle 2C Subduction Zones 2D Deep Earth 2E Hotspots *Breakout groups separated thematically; each will have similar charges
12:00	---Lunch---
<b>13:00</b>	<b>Recap of Science Opportunities</b>
<b>13:30</b>	<b>Instrument Development Opportunities and New Strategies for Deployment</b>
13:30	Instrument Development Opportunities <ul style="list-style-type: none"> <li>• NSF/ONR/Other programs for R&amp;D</li> <li>• Absolute Time</li> <li>• Cyberinfrastructure</li> </ul>
14:45	New/Alternative Models for Deployment <ul style="list-style-type: none"> <li>• Autonomous Instruments</li> <li>• Ocean Bottom Cables</li> <li>• Industry Examples</li> <li>• Experience with buried and cabled sensors</li> </ul>
15:30	----Coffee Break----
<b>15:45</b>	<b>5-Minute Technology/Deployment Nuggets: Ideas from the Floor</b>
<b>16:15</b>	<b>Breakout Session #3: Instrument Development and Deployment Opportunities</b>
	3A. Instrument Requirements <ul style="list-style-type: none"> <li>• Types of Instruments/sensors</li> <li>• Duration</li> <li>• Numbers</li> </ul> 3B. Priorities for optimum pool development 3C. Absolute Time 3D. New/Alternative Models for Deployment
17:15	Breakout Reports and Plenary Discussions
18:50	Dinner

Day 3	
7:30	Breakfast
8:30	Recap/Plan
	<ul style="list-style-type: none"> <li>• Report of Langseth Meeting</li> <li>• Breakout groups discussing future of community and PI experiments and of facilities</li> <li>• Overall plenary discussion to synthesize and prioritize</li> </ul>
<b>8:50</b>	<b>Breakout Session #4: Requirements for Future Initiatives and Facilities</b>
	<p>Requirements for Community and PI Experiments</p> <p>4A. Strategies for Developing Community Initiatives</p> <ul style="list-style-type: none"> <li>• Community proposals for initiatives and instrument development</li> <li>• International cooperation</li> </ul> <p>4B. Organizational Requirements of Community Experiments</p> <ul style="list-style-type: none"> <li>• Experiment Design</li> <li>• Proposal preparation</li> <li>• Experiment execution</li> <li>• Collaborative interpretation/ Funding of investigators</li> </ul> <p>4C. Data Requirements</p> <ul style="list-style-type: none"> <li>• Metadata, Data Archiving</li> <li>• Assessment of Data Quality</li> <li>• Data Distribution</li> </ul> <p>4D. Logistical Requirements</p> <ul style="list-style-type: none"> <li>• Support services (engineering, O&amp;M, Deployment Schedules)</li> </ul> <p>4E. Facilities</p> <ul style="list-style-type: none"> <li>• Maximizing scientific return and efficiencies of facilities</li> </ul>
10:30	---Coffee Break---
<b>10:45</b>	<b>Plenary Discussion: Synthesis</b>
12:30	---Lunch---
<b>13:30</b>	<b>Writing Groups</b>
18:50	Dinner