

Marine Seismic Research Workshop Planning Committee Update

MSROC Annual Meeting
December 9th, Washington DC

Workshop Planning Committee

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- Workshop Planning Committee – MSROC+, committee formed to complement and work with the the MSROC+ Seismic Working Group (SWG) to facilitate community input to the effort at
 - providing guidance towards a solution that will continue to provide deep seismic reflection capability to the marine seismology community following the retirement of R/V Langseth in 2020
- SWG is coordinating with NSF to work toward this goal, now within the context that NSF plans to sponsor a “Focus Workshop” on this topic next winter/spring (March).

- The WPC is charged with developing plans for a broader workshop that encompasses:
 - the range of marine seismic facilities that fall under the MSROC
 - the range of research topics supported or enabled by these facilities
 - Likely to be held likely in **Winter 2020** - January/February 2020
 - May represent a scientific scope and scale similar to the series of workshops organized by the OBSIP (Symposium) under IRIS in 2013, 2015, and 2017.
 - We have encouragement from the NSF-OCE program to write a proposal for a workshop of this sort.
- WPC will likely remain a sub-committee of MSROC under UNOLS
- Other members are being considered who could contribute additional perspectives

Scope of the workshop should:

- Focus on science drivers and challenges facing the various facilities under MSROC oversight:
 - Ocean Bottom Seismometer facility
 - Deep Crustal and Portable High Resolution multichannel seismic reflection systems
- Provide a venue for whole community, but especially early career scientists, to connect and communicate
- Build on output from the Focus Workshop and SWG for replacing capabilities with the seismic community
- Provide resources in the near-term for scientists who are unsure of how to pursue science programs that require large-source/offset tools. (i.e. how to do science with no MGL?)
 - Could potentially set up community for science in 2021 under new model?

How do we do this?

- **Focus on international collaborations:**
 - Recent successful projects that have used international partnerships
 - Participation from international organizations with seismic facilities (Japan, Germany, others).
 - Facilitate dialogue regarding mechanisms for NSF to fund seismic work using international tools:
 - Coordinated collaborations
 - Future international agreements/contracts or MOU/MOAs with NSF

Stay Tuned for more information - Community Marine Seismic Workshop Winter 2020 (Jan/Feb)

Current priorities for meeting:

- Results and Recommendations that came out of the NSF Ideas Lab
- International Cooperation
- Synergistic Ocean Bottom Seismology and Active Source
- Science:
 - Regional Framework going forward?
 - Early Career Focus, both nationally and internationally.
 - Alaska Community Experiments
 - Summary of Work Completed to date- previous workshops, history of how we got here.
 - Survey Results, Letters from Community, Response to Dear Colleague Letter.