Marine Seismic Research Workshop Planning Committee Update

MSROC Annual Meeting
December 9th, Washington DC
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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.