

MSROC 2022 Annual Meeting Notes

Meeting Date: 11 December 2022

Location: University of Illinois – Chicago, Student Center East, Room 713

MSROC Meeting Webpage: <https://www.unols.org/event/meeting/2022-msroc-annual-meeting>

Attendees: see posted participants list

Agenda: see posted agenda

Presentations: see posted presentations

Meeting Notes:

NSF Presentation – Gail Christeson:

- *Anne Becel* – had a question regarding proposal reviews for international collaborations.
- *Gail Christeson* – NSF & NERC work together for such collaborations. Proposals are reviewed by each agency and then discussed together to determine whether they can be supported.

UNOLS Presentation – Doug Russell

- Doug summarized the recently MSROC approved changes to the committee membership and Chair position.
- **A/I** – the new members and change in Chair position will be sent to the UNOLS Council for concurrence
- Doug provided an update on UNOLS Activities over the past year

OBSIC-OS Presentation – Jim Gaherty

- *Jim Gaherty*- invited community feedback on the recently drafter *OBSIC-OS White Paper titled Modernization and enhancement of active-source Ocean-Bottom Seismic (OBS) Capabilities. The UNOLS Office will forward it for further review and feedback.*
- **A/I** - The OBSIC-OS will be putting out a Call for Nominations for new committee members

OBSIC Presentation – John Collins

- Newly funded projects are being reviewed for support in the following years:
 - Zach Eilon – 2025
 - Samar Naif / Jim Gaherty – 2024
 - Doug Wiens/ Fernando Martinez – 2025

CASSIE22 & SENSOR Review of Results Presentation – Pablo Canales

- Although not on the agenda, Pablo Canales provided a nice review and summary of the recently completed CASSIE22 & SENSOR projects that utilized OBNs

Portable MCS System Update Presentation – Lee Ellett

- There were suggestions from multiple attendees that efforts be restarted to document where all the different portable MCS-like equipment/systems are located across the UNOLS Community to make it easier for PIs to locate & identify for inclusion in their proposals.
 - **A/I** - The UNOLS Office will review MSROC/MLSOC files to see what was already assembled and go from there.

Recent GoM Survey Results using Portable MCS System

- Unfortunately, no one from the recent Contex 2019-38B project could be present to discuss the recent Bathymetric and Seismic Surveys report that included discussion and diagrams of the successful use of the Portable MCS system. The full report has been included in these meeting files for those interested to review.

SZ4D Implementation Presentation – Donna Shillington

- Donna provided a comprehensive report on the SZ4D initiative
- **A/I** – it was agreed amongst participants that it would be appropriate to review this topic regularly during MSROC meetings so all can stay aware of this important initiative.

R/V Langseth Operations Update Presentation – Sean Higgins

- Sean stressed that LDEO is reassessing whether R/V Langseth can continue to operate beyond 2024 without major investments in updates to address obsolete critical systems which provide extend the ship’s life enough to cover the gap created by the planned retirement of Langseth in 2024 and when a replacement vessel can be purchased, converted, and brought on-line.
- The Regional Plan for continuing to operate the Langseth in the Atlantic and adjoining waters was re-emphasized by Gail. LDEO & NSF continue to request that MSROC weigh in with recommendations related to the Regional Plan. Discussions reaffirmed that PIs should be encouraged to continue submitting proposals given the potential to extend the Langseth beyond 2024 and LDEO’s continued focused efforts on obtaining a replacement vessel.

R/V Langseth Replacement Planning Presentation – Sean Higgins

- Sean provided the latest update regarding the conceptual design of what they are looking at as a suitable replacement for the seismic capabilities of the Langseth while also providing good support for general oceanographic research operations.
- LDEO will seek input from MSROC, the Fleet Improvement Committee, NSF and other sources as necessary as they continue to work towards obtaining a replacement vessel

Seismic Mission Requirements for a Replacement Vessel Survey Presentation – Lindsay Worthington

- Lindsay reviewed the results of the survey
- Considerable discussion on the small number of respondents – 22
- Possible reasons for small response – short time frame for response, sent out during summer while many PIs, students, etc. out in the field.
- Need more feedback from MGG Early Career Scientists
- **A/I** – send out the Survey, possibly updated, to the community
- **A/I** – UNOLS Office to re-share the Google drive info to the community for access to previous workshops related to needed future seismic capabilities

Autonomy and OBS Development Presentation – John Orcutt

Additional Items

- There was discussion of having an MGG Town Hall or multiple Town Halls to update folks on MSROC related topics and to help generate more interest within the community
- There was a discussion of the need for conducting OBS Data Processing Training