



MLSOC Report

Council Meeting
March 7-7, 2011

MLSOC Committee Members

Graham Kent, UNR (Acting Chair, MLSOC) 02/10 - 12/11
Michael Enachescu, Memorial Univ of Newfoundland 10/06 - 10/12
H. Paul Johnson, UW 10/06 - 10/12
W. Steven Holbrook, U Wyoming 10/06 - 10/12
Mitchell Lyle, TAMU 10/06 - 10/12
David W. Scholl, USGS 02/10 - 02/13
Alexander (Sandy) Shor, U Hawaii 02/10 - 02/13
Nathan Bangs, UT Austin 02/10 - 02/13
Maya Tolstoy, LDEO (ex-officio) 09/98 - XXXX
Suzanne Carbotte, LDEO 09/98 - XXXX
Paul Ljunggren (ex-officio RVOC Rep) 09/98 - XXXX
Jeff Rupert (ex-officio RVTEC Rep) 07/10 - XXXX

MLSOC Recommendations

Data Access and Availability

MLSOC endorses a model that includes three classes of data access:

- **Community programs.** This category includes large programs that, by virtue of their broad interest, are most appropriately planned by a wide community, e.g. in thematic workshops.

MLSOC Recommendation

- **Open-access programs.** These programs, which combine elements of the PI-driven and community models, will stem from proposals written by small groups of PI's, but will produce rapidly processed, open-access data for full release to the community.

MLSOC Recommendations

- **PI-driven programs.** This category describes the current modus operandi of our community: PI-driven projects, with exclusive data rights for PI's within a moratorium period (currently two years).

MLSOC Recommendation

- **Advanced Planning Cycle:**
MLSOC endorses an advanced planning cycle in which proposal calls are issued on a regional basis (e.g., North Atlantic, eastern Pacific) several years in advance. MLSOC will work with the user community, NSF and the facility operator to determine the ship's projected areas of operation, guided by Letters of Intent.

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- **Dedicated Langseth panel:**
MLSOC offers as a suggestion that NSF consider a separate panel for judging R/V Langseth proposals, especially in the context of a new NSF program to fund research using the facility.

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- **Training the Next Generation:**
MLSOC endorses including a strong training component on all Community and Open-Access projects, in which science berths are open to scientists wishing to gain at-sea experience on R/V Langseth.

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- **Data Processing:**
MLSOC endorses commercial processing for all 3D cruises. The intent of commercial processing is to rapidly produce an interpretable data volume, as well as intermediate products that will enable proposals for further analysis.

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- **Improving the Educational Footprint:**
MLSOC endorses (1) expansion of the Langseth website with a focus on public outreach and education, (2) K-12 presence through teacher workshops and teacher-at-sea programs, (3) a “Distinguished Ambassador” program to visit K-12 schools, (4) use of social networking sites to communicate Langseth activities and results to interested parties, (5) exploring use of Langseth transits for training/education cruises, and (6) training of undergraduate and graduate students in use of open-access 3D interpretation software to bring Langseth 3D data into college classrooms and graduate-level research programs.