

Agenda
UNOLS Fleet Improvement Committee MEETING
National Science Foundation, Stafford I, Room 375
4201 Wilson Boulevard Arlington, VA
March 8-9, 2011

Important Note: If you plan to attend the Fleet Improvement Committee Meeting, please RSVP the UNOLS Office at office@unols.org. **Your name will be added to the security list for access to NSF.**

Tuesday, March 8th: Joint session of the Council and FIC

0800 Coffee and Pastries

0830 Open Day-2 of the Meeting: Bruce Corliss, UNOLS Chair, will reconvene the meeting.

0845 Facility Renewal Activities:

- Ocean Class Acquisition Update - Chris MacDonald/Mike Prince
- Regional Class Acquisition Status – Matt Hawkins
- Alaska Region Research Vessel, R/V *Sikuliaq*, Status and NSF Perspectives – Matt Hawkins
- Replacement Human Occupied Vehicle Project – Brian Midson
- Ocean Observatories Initiative – Jean McGovern

1015 Break

1035 UNOLS Evaluation of Decline in Ship Time Requests – Preliminary results of community survey on ship usage - Annette DeSilva

1125 Early Career Investigator Oceanographic Research Cruise Training Opportunity – Clare Reimers

1140 UNOLS Outreach Initiatives:

- Outreach Resources – Annette DeSilva
- Suggestions for UNOLS Activities at the 2011 Fall AGU Meeting and the 2012 Ocean Sciences Meeting

1200 *This concludes the joint meeting of the FIC and Council.*

Lunch Break

1315 Fleet Improvement Committee Meeting: Clare Reimers, FIC Chair, will call the FIC meeting to order and provide an opportunity for introductions.

1330 Ship Radiated Noise Panel Discussion – Introduction by Dave Bradley

- Overview of ship radiated noise sources, issues associated with radiated noise measurements, and operational impacts with respect to various missions and noise standards – Chris Barber
- Examples of quiet machinery and propulsion plant designs incorporated into two recently constructed research vessels, including major machinery procurement, vibration isolation mounting and path mitigation strategies – Mike Bahtiarian

- The impact of a noisy ship on the performance of acoustic mission systems such as multi-beam sonars and will provide examples of problems discovered on research vessels and lessons learned from the resulting mitigation efforts – Tim Gates

1500 Break

1515 Science Mission Requirements (SMRs):

- **"Lessons Learned" from the *Sikuliaq*, Ocean Class and RCRV processes** – Marc Willis (30 minutes)
- **General SMR Specifications and Principles** – Discussion on application to current SMR documents. (25 minutes)
 - Consideration of Lessons Learned
 - Consideration of Noise Panel discussions
- **Polar Research Vessel (PRV) SMR Refresh Project** – Brief recap of the PRV Workshop to identify science drivers for a Polar Vessels. – Jon Alberts (10 minutes)
- ***Sikuliaq* Science Planning Workshops** – Marc Willis (5 minutes)

1625 Fleet Improvement Plan (FIP): Appendix on Ocean Acoustics – David Bradley

1645 UNOLS Vessel Ship Classes – Review current UNOLS Vessel Classification and consider revisions as suggested by NSF.

1700 *Adjourn Day One*

Day 2 – Wednesday, March 9th

0800 Coffee and Pastries

0830 Reconvene the Meeting: Clare Reimers

0840: Design and Construction Efforts - Issues that may require FIC attention are listed below:

- **R/V *Langseth*** - FIC liaison report and *Langseth* Improvements - Sandy Shor will provide the Liaison Report and Linda Goad will provide an update on any *Langseth* improvements not covered in the liaison report.
- **Ocean Class Research Vessel (OCRV)** - Suggest members for an Ocean Class Advisory Committee (OCAC) – Clare Reimers
- **RV *Sikuliaq*** – Outcome of mock-up review. – Marc Willis
- **R/V *Barnes* Replacement** – UW update on replacement plans for the R/V *Barnes* – Al Devol

0940 Projected Service Life End Dates:

- Vessel Condition Memorandum from NSF and recommended service life end dates for FIC review.
- Discussion of process for revising retirement dates and SLEP decisions
- Proposed NSF process for removal from service

1030 Break

1045: Keep abreast of new technologies entering the UNOLS fleet:

- **Load Handling Systems – Update on the performance and capabilities of the *Kilo Moana* and *Hugh Sharp* handling systems.** Sandy Shor (15 minutes). Written report on *Sharp* provided by Capt. Bill Byam.
- **WHOI Long-Coring System-** (30 minutes)
 - Past, present, and future projections for long core operations – Candice Major, NSF
 - Discuss future user debrief process - Clare Reimers
 - Status of NSF repositioning plan - Al Suchy, Matt Hawkins
- ***Hugh R. Sharp* User Debriefs** - (15 minutes)
 - Review the *Sharp* 2011 schedule for candidate cruises
 - Summary of debrief interviews
- **UNOLS Green Ship Initiative** - Greening the Fleet: Construction, life cycle, and recycling – Bruce Corliss (20 minutes)

1210 Other Business - Opportunity for Additional Reports

- Research Vessel Safety Standards – Appendix A Workshops – Annette DeSilva
- AGOR Z-drive Spares Pool Planning – Tim Schnoor

1225 FIC Guest Speakers – Identify special topics and potential speakers of interest to FIC.

1230 Adjourn

Lunch Break

1330 FIC Executive/Working Session – The remainder of the day is reserved for FIC members to address tasks and follow-up on activities addressed early in the day. Participation by FIC members only is requested.