

February 28, 2013

Tentative Agenda
UNOLS FLEET IMPROVEMENT COMMITTEE MEETING
Scripps Institution of Oceanography
Scripps Seaside Forum
La Jolla, CA 92037
Tuesday and Wednesday, March 5-6, 2013

Tuesday, March 5th – Roberts Scripps Room

0800 Coffee and Pastries

0830 Call the Meeting: Clare Reimers, FIC Chair, will call the meeting to order and provide an opportunity for introductions.

- The meeting minutes from the October 2012 FIC Meeting are available at:
<http://www.unols.org/meetings/2012/201210fic/201210ficmi.html>

0840 Agency Comments – Full agency reports will be provided during the Council meeting, but agency representatives will be invited to present new issues requiring FIC attention.

0900 Ship Design, Construction, and Acquisition Activities – Ship design, construction, and acquisition updates from agency representatives are planned during the joint session of the FIC/Council meeting on March 6th. However, project representatives are welcome to provide related information that may be of particular interest to FIC:

- Ocean Class Research Vessel – Mike Prince
- Regional Class Research Vessel – Bob Houtman and Care Reimers
- RV *Sikuliaq* – Bob Houtman
- R/V *Barnes* Replacement Plans – Allan Devol

0940 Mid-Life Refit Plans for *Thompson*, *Revelle*, and *Atlantis* – ONR requested UNOLS feedback regarding mid-life refit plans. Details about the type of feedback that would be useful and the timeline will be discussed. - Mike Prince

1000 R/V *Langseth* – MLSOC/FIC liaison report – Sandy Shor

1015 Break

1035 Long Core Repositioning Study - NSF has requested input from UNOLS (FIC) on whether to move forward with the Long corer repositioning to the *Langseth*. A community webinar was held on February 13, 2013 to consider trade-offs and hear from users.

- Summary of Webinar discussions and MG&G community feedback – Clare Reimers and Jon Alberts (15 min)
- Next steps – FIC will discuss and make a recommendation to NSF on whether to provide incremental support for the next stage of design feasibility work that would allow the Long Corer to be repositioned on the *Marcus Langseth*. This work would complete the detailed evaluation (both positive and negative impacts) and structural design of the sponsons.

1200 Lunch Break

1300 New Technologies and System Evaluations:

- **Dynacon Traction Winch with Synthetic 14mm Conducting Cable** – Greg Cutter will report on his research experience using this system.

13:15 Fleet Improvement Plan (FIP):

- Review Draft Outline – Clare Reimers
- Report Format Discussion – Annette DeSilva
- Assignments and Timeline – Clare Reimers

1415 Break

1430 Review Fleet Projected Service Life End Dates – Clare Reimers

1440 Optimal Window of Vessel Usage Definitions –Review the ship operator responses to the vessel optimal use definitions. - Clare Reimers

1500 Coastal/Local Vessel Class Evaluation– FIC has been tasked to evaluate the need for a new design concept for Coastal/Local vessels and to propose an approach for replacement of aging Coastal/Local ships. Also, FIC is requested to evaluate how the Coastal/Local Class fits into the UNOLS fleet renewal plan.

- Review the Coastal/Local Vessels Survey Results - Clare Reimers
- Next steps – discussion.

1525 Autonomous System Requirements - FIC is tasked to integrate autonomous systems requirements into SMR documents so these needs are fully considered in future ship designs, and operations. This will extend the reach of the vessels.

- **FIC Guest Speakers** – Unmanned Aerial Vehicles (UAV) – The speakers will discuss science projects supported by these systems and the ship capabilities that are required to optimally support these vehicles.
 - **Ship-based UAV measurements of the marine atmospheric boundary layer in the equatorial Pacific** - Luc Lenain (SIO), will discuss the recent EquatorMix experiment on R/V *Revelle* (October 2012) where unmanned aerial systems were utilized to gather science data. (20 minutes)
 - **Unmanned aircraft and other systems for inclusion in ship operations** – Phil McGillivray will report on coordination of UAS with ASVs and AUVs, and the ship capabilities required for optimal data ingestion. Issues of launch and recovery of unmanned systems will also be discussed. (20 minutes)
- **Open Discussion** (20 minutes)

1625 Other Business

- FIC Membership Status - Three FIC members have terms expiring in 2013.
- Opportunity for Additional Reports

1635 Adjourn Day 1

1635 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.

Wednesday, March 6, 2013, Ted Scripps Room: *Joint session of Council and FIC*

0800 Coffee and Pastries

0830 Call the Meeting: Peter Ortner, UNOLS Chair, will call the meeting to order and provide an opportunity for introductions.

0845 Agency Reports – Budget status and projections, announcements, and agency initiatives:

- NSF – Bob Houtman
- NAVY – Mike Prince
- NOAA – NOAA
- Interagency Working Group on Facilities –IWG-FI activities relevant to the UNOLS Fleet – Bob Houtman

0930 UNOLS 2013 Fleet schedules and science operations, estimated operation costs, and 2014 ship scheduling – Jon Alberts and Stewart Lamerdin

1000 Break

1015 Summary of Fleet Improvement Committee Meeting and Action Items that require Council Attention (Clare Reimers)

1035 Early Career Investigator Oceanographic Research Cruise Training Opportunity
-Clare Reimers

1050 Academic Fleet Modernization Activities

- Ocean Class Acquisition Status - Mike Prince
- Regional Class Research Vessel - Bob Houtman
- *Sikuliaq* Update – Bob Houtman
- Polar Research Vessel Acquisition Status – Bob Houtman
- Ocean Observatories Initiative - Bob Houtman

1120 Update on R/V *Point Sur* operations in Antarctica - Stewart Lamerdin

1135 UNOLS Speaker Series: Progress Report – Peter Ortner

This concludes the joint session of the UNOLS FIC/Council Meeting.
