



Antarctic Research Vessels and UNOLS

Status on efforts for a cooperative relationship between UNOLS, OPP, and OCE for polar facility coordination.

- PRV Workshop Recap/Committee work update (Jon Alberts)
- NSF Solicitation for USCGC *Healy* Ship Support – Status (Jon Alberts)
- OPP Regional Class Requirements for Antarctic – (NSF and Stewart Lamerdin)



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Polar Research Vessel Committee Update

&

NSF Solicitation for the Arctic Support





Polar Research Vessel Committee

Rob Dunbar/Stanford- Chair

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Bruce Huber/LDEO

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- Review SMRs identified during the Polar Research Vessel (PRV) Study completed in 2006.
- Consult existing UNOLS reports such as the Science Mission Requirements documents published for Regional Class and Ocean Class Research Vessels
- Develop a survey to gather feedback from the polar marine research community on the anticipated science missions and the capabilities that will be required by a PRV to carry out these missions.
- Plan and hold a community workshop to discuss mission scenarios, review community input to the PRV SMR survey, and gather additional community feedback.
- Through consultation with the research community, the PRVC will: Assess whether the existing PRV SMRs (developed in 2006) meet current and emerging needs for polar research.



Identify any additional SMRs required to ensure that the PRV will meet the needs of the polar marine research community for the next 30 years.

Prepare a report to NSF that shows a clear connection between critical science questions and the PRV SMRs identified. The format of the final report should be consistent with available UNOLS SMR documents for Ocean and Regional Class vessels.

Transmit the Interim report to NSF in early June 2011 and a final report in late 2011.



- PRV committee met in Palo Alto at Stanford on May 5 & 6, 2011
- Worked on document in Google Docs for a day and a half.
- Interim Draft Report to be submitted by late June. Headed up by Rob Dunbar
- UNOLS to update SMR table with PRV/SMR's from this Committee's work.
- Final Report Due late 2011.



NSF Solicitation for Arctic Support

- NSF held competition through the STARC solicitation to identify an institution that would provide NSF with a mechanism to offer a dedicated cruise planner to coordinate required resources and to steward the science equipment onboard Healy and other vessels.
- NSF Program Manager is still working with awardee to move it forward, it is still in the process.
- The review is done and all proposals including the recommended awardee have been notified by NSF.
- NSF hopes to have it wrapped up by July 1.



- **Fund a single Cooperative Agreement to:**
- Plan and execute science support for Arctic cruises on icebreakers, augmenting USCG
 - Coordinate with Chief Scientist, USCG, NSF, UNOLS and other providers
 - Some work directly funded through CA, some funded by NSF through UNOLS agreements
- Manage science equipment onboard icebreakers in cooperation with USCG and NSF
 - Track maintenance and upgrade requirements with budget planning
 - Provide recommendations for equipment purchases or upgrades
- **Ships:**
- *Healy*
- *Polar Star*
- Transitions to other ships as needed
- **Users:**
- NSF, Arctic Sciences Division awardees
- Other agencies that reimburse NSF for services provided

