WELCOME TO DC!

Marine Science Drivers for the Polar Regions

A UNOLS Polar Research Vessel Workshop

The key part of an NSF-funded effort: "Polar Research Vessel Science Mission Requirements (SMR) Refresh"

UNOLS PRV Committee

Rob Dunbar, Stanford, Chair
Vernon Asper, U. Southern Mississippi
Dan Oliver, U. Alaska, Fairbanks
Maria Vernet, SIO/UCSD
Eugene Domack, Hamilton
Doug Russell, U. Washington
Larry Lawver, UTIG/U. Texas
Carin Ashjian, WHOI
Dale Chayes, LDEO/Columbia
Craig Smith , U. Hawaii
Bruce Huber, LDEO/Columbia
Hugh Ducklow, MBL

Support from Jon Alberts & Annette DeSilva, UNOLS

Charge to Committee:

- Review SMRs identified during the Polar Research Vessel (PRV) Study completed in 2006.
- Develop a survey to gather feedback from the polar marine research community on the anticipated science missions and required capabilities.
- **Community workshop to discuss science drivers, mission scenarios, review input to the PRV SMR survey, and gather additional feedback.**
- Assess whether the existing PRV SMRs (2006) meet current and emerging needs for polar research. Identify any new SMRs (with 30 year lookahead forecasting).
- Prepare a report to NSF that shows a clear connection between critical science questions and the PRV SMRs identified. Interim Report Summer 2011, Final Report in late 2011 after public comment.

Some thoughts on the Workshop

- It's the Science that is going to move this project forward….
- Our survey didn't promote eloquence in defining long-range science ideas – we need to do this here in DC.
- Start with Science Drivers and develop SMR's.
- We are a unique group of ~75 people – scientists representing all marine disciplines, ship operators and mariners, technical and policy specialists, and program officers. EVERYONE has a voice. We must take advantage of being together to get this right.
- Think about tradeoffs and compromises. We need your collective professional wisdom.
- Capture your ideas in writing.