

*Polar Research Vessel Committee and PRV  
Workshop*



# Polar Research Vessel Committee

Rob Dunbar/Stanford- Chair

Hugh Ducklow/MBL

Vernon Asper/USM

Carin Ashjian/WHOI

Larry Lawver/UTexas

Dale Chayes/LDEO

Doug Russell/UW

Dan Oliver/UAK

Maria Vernet/UCSD

Eugene Domack/Hamilton

Bruce Huber/LDEO

Craig Smith/UH

# PRV Charge to Committee

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.

## PRV Charge con't

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.



*Marine Science Drivers for the Polar  
Regions*

UNOLS Polar Research Vessel Workshop  
February 28, 2011- Monday-National Science Foundation-  
Stafford I- 12th floor, Boardroom 1235  
March 1, 2011- Tuesday  
Westin Arlington Gateway- Ballroom- Fitzgerald “C”

# Day One

**Feb 28, 2011 Monday- NSF Boardroom**

Welcome & Introductions- Rob Dunbar/PRV Chair

PRV Committee, Members, Tasking, Timeline

Workshop purpose, scope, expected results

NSF Opening Remarks- Dr. Karl Erb/NSF/OPP Director-

NSF Program Office- Alex Isern, Hedy Edmonds, Lisa Clough  
Historical Review, Path Forward, PRV Timeline

James St. John- Science & Technology Corp. – Review of  
PRV Study- Operational Feasibility of desired features and specifications that impact ship size and cost.

Review PRV Community Responses- PRV Committee & Jon Alberts

Developing Science Drivers/ Breakouts Groups/NSF Meeting Rooms

Biological Oceanography-Maria Vernet/Craig Smith

Chemical Oceanography-Vernon Asper

Physical Oceanography & Atmospheric Interactions-Dale Chayes/Bruce Huber

Marine Geology and Geophysics-Larry Lawver/Gene Domack

# Day Two

March 1, 2011 - Tuesday-Westin Hotel

Translating Science Drivers into Science Mission Requirements

- Overview of UNOLS SMR Process- Annette/Jon-UNOLS
- Purpose & Background
- Developing SMR Table & Elements of SMR
- Vessel Mission Statement, Prioritization, Mission Scenarios
- Review of existing SMR's and current planning activities

Direction Forward and Next Steps

- Questions/Comments
- Priorities
- Intersection of science
- Request for short reports & future contributions

Open Discussion & Written Inputs

PRV Committee Working Lunch

PRV Committee- Recover information, begin writing report

NSF/OPP Reception- Front Office- Alex & Kelly