

UNOLS REPORT



*MLSOC MEETING
Marriot Marquis Hotel
San Francisco, CA
December 12, 2010*



JON ALBERTS



UNIVERSITY - NATIONAL OCEANOGRAPHIC LABORATORY SYSTEM

UNOLS Office

•Fully Staffed- Pam Thompson, Erin Jackson, Sandy Fontana, Dennis Nixon, Alice Doyle, Annette DeSilva, Jon Alberts, Steve Ciesluk

Recent Efforts

Assist with Ship-Based Science Technical Support in the Arctic (STARC)

Polar Research Vessel Refresh Project- Establish a PRV Committee

Memorandum of Agreement Between USCG & UNOLS for MST Training

Establish an Ocean Observing Science Committee- (OOSC)

UNOLS Charter Revised & Adopted- October 15, 2010

Upcoming Events

AGU- San Francisco- Dec 12-14, 2010

DESSC & MLSOC Meetings

RVOC April 26-28, 2011 at Scripps

2009 Goals

- **Strengthen the Relationship between UNOLS and the Antarctic Research Programs**
 - Letter - Offer of Support from the UNOLS Council Regarding Ship Acquisition, Operation, and Oversight of Future Southern Ocean Research Vessels
 - Polar Refresh Vessel Science Mission Requirements Refresh - UNOLS recently tasked to lead this effort
- **Greening the Fleet**
 - Workshop is proposed.

2010 Goals - Explore Options for Establishment of a UNOLS Speaker Series

- Options to establish a speaker series will be explored to highlight UNOLS ships and oceanographic research and to serve as an outreach activity to non-UNOLS colleges and universities, with particular attention given to institutions with under-represented minorities in the marine sciences.
- As one option, the series could be introduced as a pilot program with a revolving set of speakers to determine if it is a worthwhile outreach activity for UNOLS.

UNOLS Outreach Initiatives

- Proposed UNOLS Lectureship Program
- Proposed Chief Scientist Training Workshop
- UNOLS 101 Slide Presentation
- Volunteer Opportunities Webpage
- UNOLS Lobby Display
- UNOLS Traveling Poster

Marcus Langseth Science Oversight Committee (MLSOC)

MLSOC Meeting October 24-25, 2010- San Diego, CA

Next Meeting- San Francisco, Dec. 12, 2010

2011 Schedule -246 days includes (2) Extended Continental Shelf
cruises for USGS in June/Gulf of Alaska & August/Bering Sea
and then Coakley/September/Chukchi Borderland



MLSOC Current Committee Members, (as of December 12, 2010)

Graham Kent, UNR- Acting Chair, First term 10/06-10/09, Second Term 10/09-10/12

Michael Enachescu, Memorial Univ of Newfoundland 10/06 - 10/09 & 10/09-10/12

H. Paul Johnson, UW 10/06 - 10/09 & 10/09-10/12

W. Steven Holbrook, U Wyoming 10/06-10/09 & 10/09-10/12

Raymond Schmitt, WHOI 10/06 - 10/09 & 10/09-10/12

David W. Scholl, USGS 02/10 - 02/13

Alexander (Sandy) Shor, U Hawaii 02/10 - 02/13

Nathan Bangs, UT Austin 02/10 - 02/13

Maya Tolstoy, LDEO (ex-officio) 09/98 – XXXX

Suzanne Carbotte, LDEO (ex-officio) 09/98-XXXX

Paul Ljunggren (ex-officio RVOC Rep) 09/98 - XXXX

Jeff Rupert (ex-officio RVTEC Rep) 08/10 – 08/13

Notes: Graham Kent agreed to serve as Acting Chair 12/09- 10/11.

MLSOC Terms of Reference allow “terms up to 3 years and may not serve more than 2 consecutive terms”.

UNOLS Council & Committees

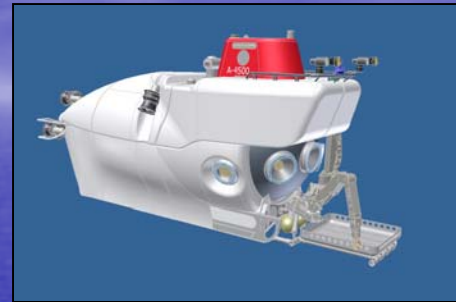
Highlights

Council

- Council/Annual Meeting- October 14-15, 2010- NSF/Arlington
- New Council Chair- Dr. Bruce Corliss/DUKE
- Goals for 2011-Greening the Fleet & Establish UNOLS Speaker Series-Outreach Efforts
- UNOLS Charter-Revised and Adopted on October 15, 2010
- Ocean Observing Science Committee- (OOSC) formed

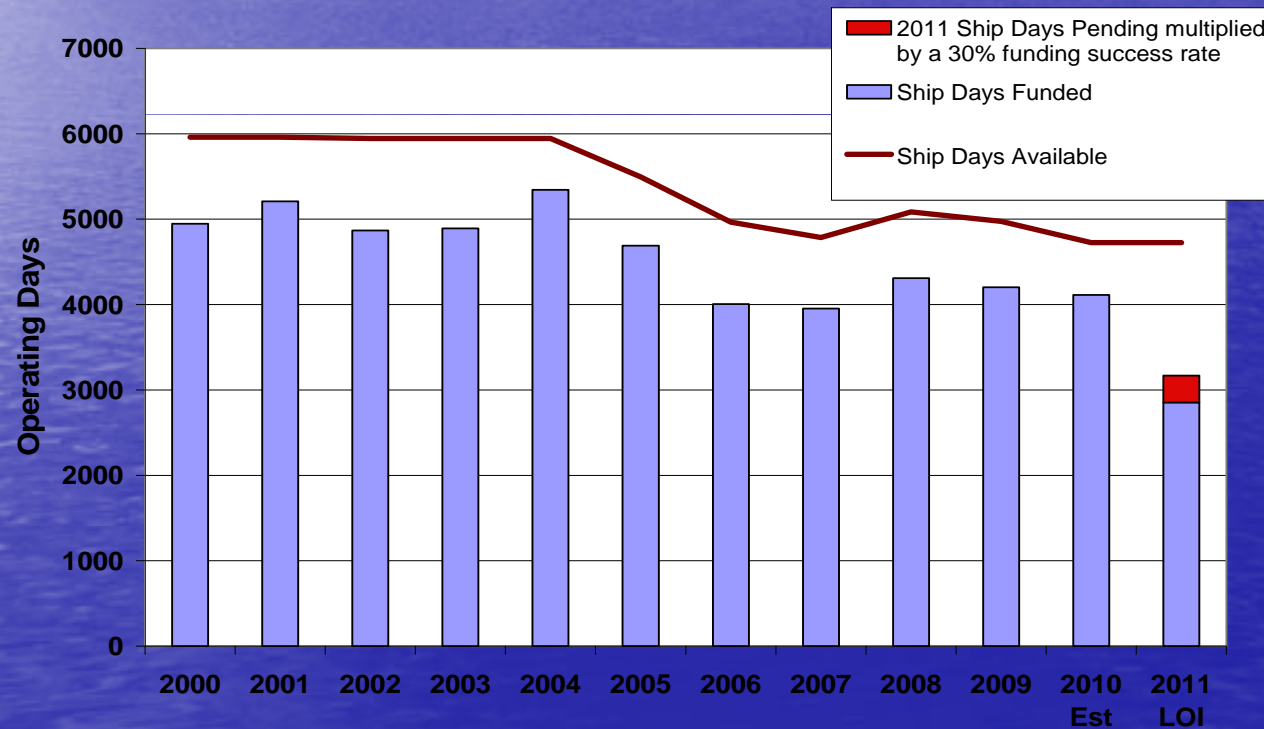
DEep Submergence Science Committee (DESSC)

- Advising on the design of the replacement Human Occupied Vehicle (HOV)
 - Participated in practice PDR
 - Informing community about vehicle and science sea trials cruise (Winter DESSC Meeting)
- Alvin replacement ~ December 2011
- 6500 meter sphere- limited by other systems to 4500 meters
- ALVIN Mock-Up at AGU

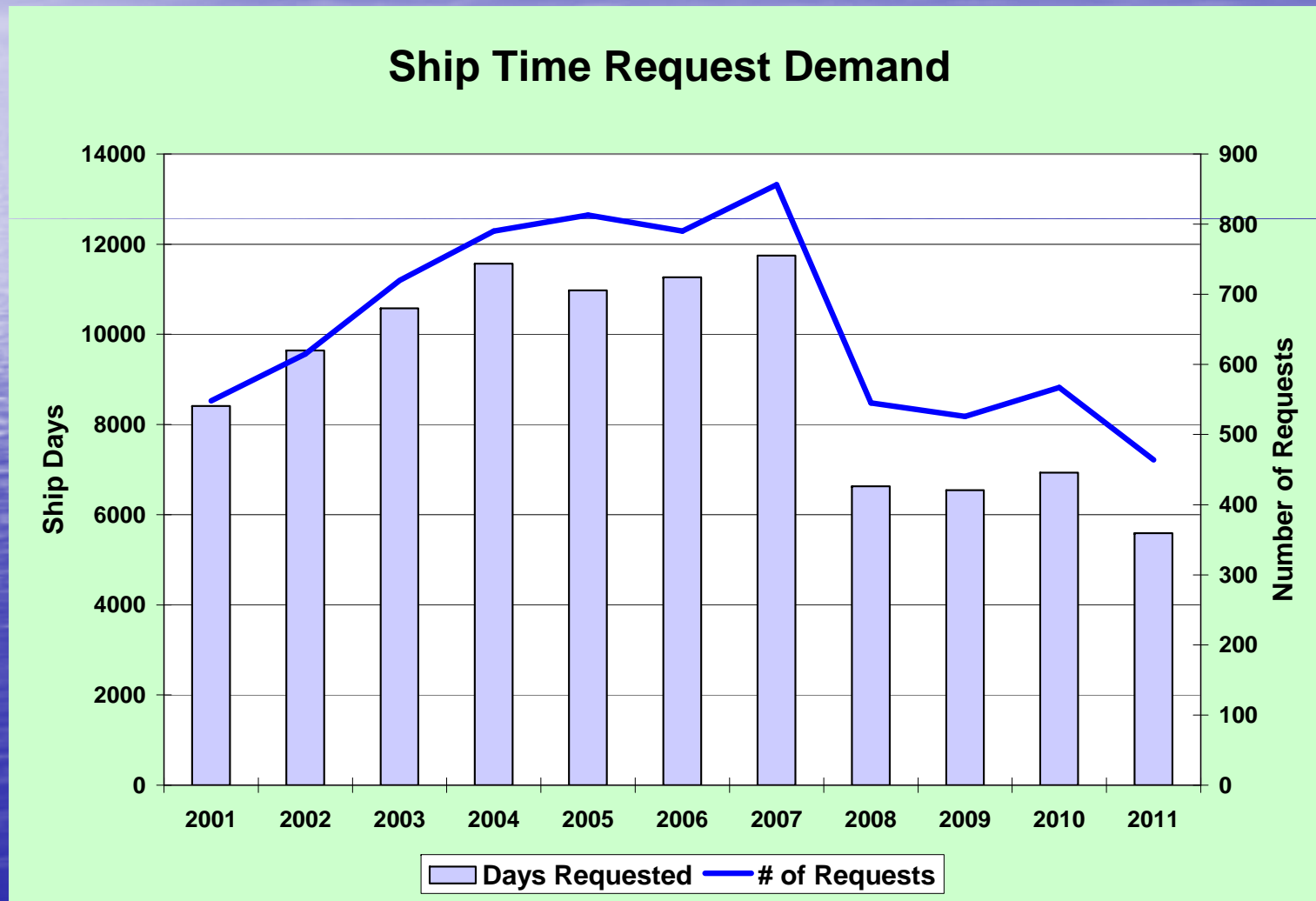


Ship Scheduling Committee

Ship Days Funded/Pending and Days Available



Survey to Evaluate the Decline in Ship time demand



Ship Time Demand Survey

- With the data collected from this survey we hope to identify any perceived obstacles that might be hindering the submission of the ship time requests.
- We also hope to determine if this trend will continue and if so, more informed decisions on the future UNOLS fleet composition can be made to better match utilization projections.

Fleet Improvement Committee (FIC)

FIC Meeting October 13, 2010- NSF/Arlington, VA

Update on the Ocean Class Research Vessel

- Operator Selection ~ mid May-
- Two Teams- Glostn & Marinette and Guido Perla & Dakota Creek
- Design Reviews Meetings held- Begin Construction 2011-Del. FY2014

Update on the Regional Class Research Vessel

- Down Select- Glostn Design won
- FIC now reviewing science mission requirements both regional and ocean class ships.

AICC Membership-December 2010

Robin Muench/ ESR- Chair(12/09)- 1/2007 to 12/2012

Karen Frey-Clark- 10/2009 to 10/2012

Bob Campbell-URI-1/2010 to 1/2013

Larry Mayer-UNH-11/2009 to 11/2012

Don Perovich-USACE-5/2008 to 5/2011

Lee Cooper-U.Maryland-9/2008 to 9/2011

Luc Rainville-UW-11/2009 to 11/2012

Jeremy Mathis-UAF-10/2009 to 10/2012

Steve Hartz-UAF- RVTEC Rep- 05/2007 to xxxx

Doug Russell-UW-RVOC Rep-9/2010 to xxxx



Other UNOLS Committees

**Scientific Committee for Oceanographic Aircraft
Research (SCOAR) – CIRPAS /June 22-23, Marina, CA**

**Research Vessel Operators Committee (RVOC)- Next
Meeting April 26-28, 2011- Host- SIO in San Diego**

**Research Vessel Technical Enhancement Committee
(RVTEC)**

Met in Bermuda on Nov 16-18, 2010

ESTABLISHMENT OF A NEW UNOLS STANDING COMMITTEE

- The OOSC is charged with providing advice and guidance on decisions and plans from the science perspective related to NSF observing investments such MARS and OOI.
- The OOSC will be an essential element in the process of communicating the science user perspective to NSF and to the project teams involved in developing, deploying and operating ocean observatories.

Ocean Observing Science Committee (OOSC)

Originally Adopted- Oct 15, 2010

Members

- Larry Atkinson- Chair- ODU
- Emmanuel Boss- UMaine
- Suzanne Carbotte-LDEO
- Steve DiMarco-TAMU
- Mary Jo Richardson-TAMU

Charge of Committee

- Provide Advice on decisions and plans from the science perspectives related to
- NSF Ocean Observatories
- Represent Science User Perspectives
- Provide Technical Advice

Polar Research Vessel Committee (PRV)- Established Dec. 2010

- Review Science Mission Requirements from PRV Study completed in 2006
- Assess if 2006 SMR's meet current and emerging needs for Polar Research
- Consult existing UNOLS/SMR's for Ocean & Regional Class ships
- Develop a survey to gather feedback
- Prepare a Report for NSF by June 2011

Polar Research Vessel Committee- PRV

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 Meetings

Meetings- (3)

- #1 Plan workshop for late Feb2011
- Develop SMR survey on UNOLS model
- Review existing PRV Documents
- Develop mission scenarios & draft SMR's

#2 & #3 Drafting and Finalizing PRV SMR's.

Workshop- open to all interested

Late February 2011