



UNOLS Report to SCOAR

June 23-24, 2011



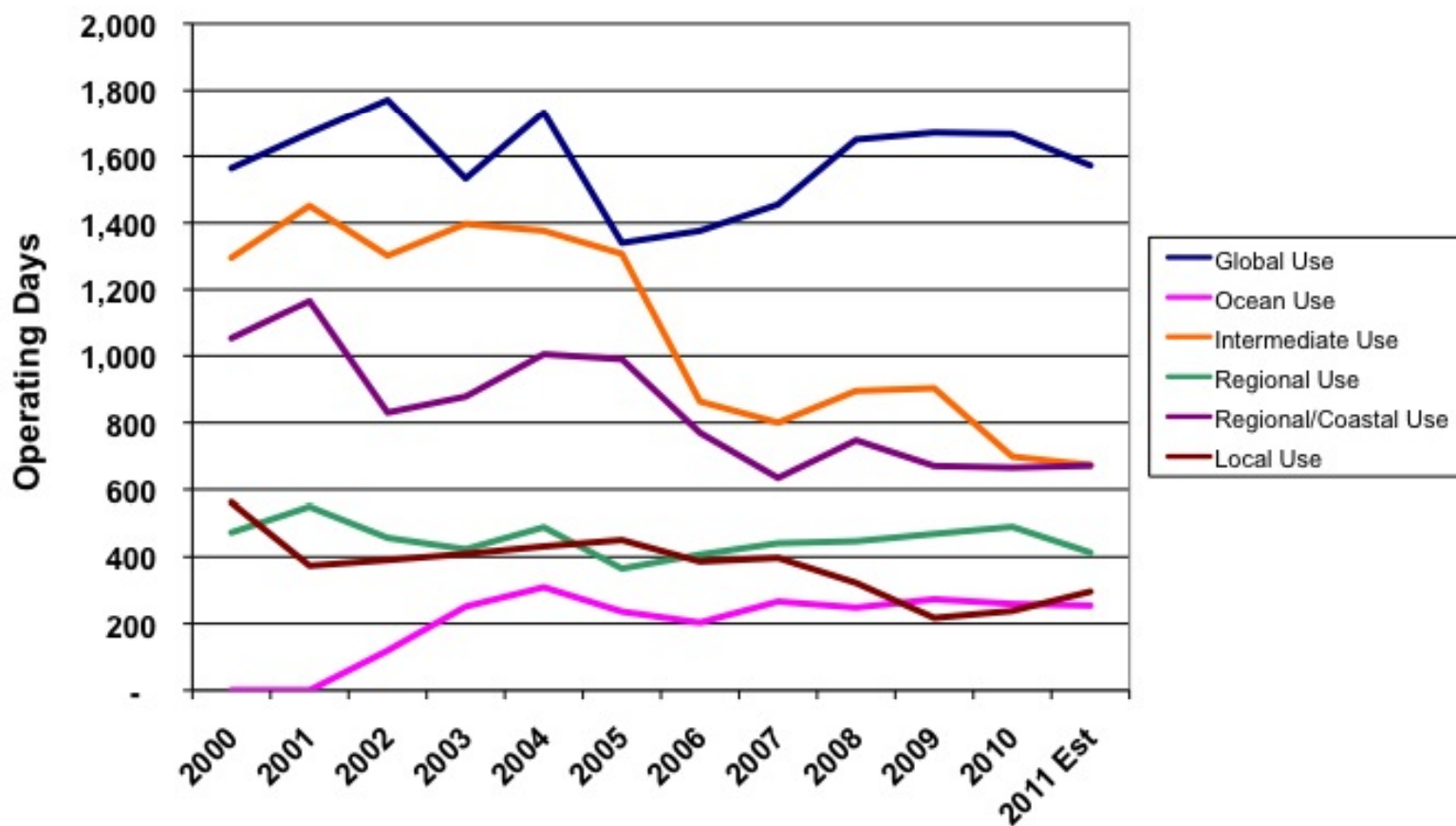
BOEMRE





Fleet Utilization

Ship Utilization by Class: 2000 - 2011





Proposal Pressure Status

- Funded/Operational Days, 2011: 3879
- Estimate of “funded” days in 2012:
 - Funded operational days: 2041
 - Pending operational days: 955
 - **Total estimated days: 2996**
- Best case scenario (described here):

22% reduction in fleet utilization

***Funded science days includes a 1.35 multiplier for estimating mob/demob, transits*

***Pending sciences assumes the same multiplier and applies a 30% success rate*



BP Research Funding for the Gulf of Mexico

- RFP-I:
 - Letters of Intent were due May 9, 2011
 - Proposals due July 11, 2011- Peer review process to be used
 - 1.0-7.5 million each, total 37.5 million
 - Announcements to be made by August 30, 2011
- RFP-III: Time Sensitive, Immediate, no collaboration
 - Proposals due June 17, 2011
 - GRI Board Review Process
 - 50 K to 300 K, total 1.5 million
 - Announcements to be made by June 30, 2011.



BP Research Funding for the Gulf of Mexico

UNOLS Related Activities:

- Letter from UNOLS Chair on Gulf of Mexico BP RFP
 - Sent to 113 PIs who have submitted Letters of Intent in response to the Gulf of Mexico Research Initiative (GRI) RFP.
 - The letter asks the investigators to consider UNOLS facilities in their proposed GRI operations.
 - Ships
 - NDSF Vehicles
 - **Aircraft**
- UNOLS Office and Marine Sups answering requests for information from Consortiums and individual PI's.



Fleet Renewal Activities

Ocean Class Acquisition (Navy)

- **Two design/build team Phase I awards made in Jan 2010**
 - Marinette Marine-Glosten
 - Dakota Creek-Guido Perla
- **Operator Selections made in May 2010**
 - AGOR27 – WHOI
 - AGOR28 – SIO
- **Phase II award (construction) in Fall 2011**
- **Ship deliveries in 2014/2015**

Regional Class Research Vessel (RCRV)

- *"NSF has undertaken a review of the internal MREFC process, which is used to approve major facilities such as the RCRV. OCE will provide more information to the community on the RCRV project as soon as it becomes available."*

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Module 833 before and after painting:



R/V *SIKULIAQ*



- Current Schedule:
 - Science Planning Workshop #1 – May 10-11, 2011
 - **Science Planning Workshop #2** – Ocean Sciences 2012
 - Begin Science Operations – CY 2014 (Ship Ops Program)
- Science Proposals Requesting *SIKULIAQ*:
 - *SIKULIAQ* listed in UNOLS Scheduling System
 - “Dear Colleague Letter” being discussed for submittal of Letters of Intent to OCE (PO, BIO, CO) in August 2011.
 - First full proposals to OPP accepted – December 2011
 - First full proposals to OCE accepted – February 2012



Antarctic Research Vessels and UNOLS

- Review and Update 2006 Polar Research Vessel (PRV) SMRs
- Early 2011 - On-line Survey to poll polar marine research community on science facility needs
- Feb 2011 - Workshop to identify major science drivers.
- Identify any additional SMRs required to ensure that the PRV will meet needs for the next 30 years.
- Prepare a report to NSF that shows a clear connection between critical science questions and the PRV SMRs identified.
 - Interim report to NSF in June 2011
 - Final report in late 2011.



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



Ocean Observing Science Committee (OOSC)

Charge:

The OOSC will be an essential element in the process of communicating the science user perspective to the NSF and to the project teams involved in developing, deploying and operating ocean observatories.



Ocean Observing Science Committee (OOSC)

Members:

- **Larry Atkinson (Chair), ODU**
- **Emmanuel Boss, U. Maine**
- **Suzanne Carbotte, LDEO**
- **Steve DiMarco, TAMU**
- **Mary Jo Richardson, TAMU**
- **Raphael Kudela, UCSC (new)**
- **Ruoying He, NCSU (new)**



Ocean Observing Science Committee (OOSC)

OOSC Task:

- On request, suggest members of the community to participate in OOI Design Review meetings.
- Coastal Glider Critical Design Review - June 29th (Webex)
- Suggestions?



Greening the Fleet

2010 Goal: UNOLS should explore how to make the present and future fleet more environmentally sustainable. New and existing technologies and practices should be used in the construction, operation, and recycling of research vessels.

Green Initiative Workshop – January 2012

Supported by NSF and ONR.





UNOLS Evaluation of Decline in Ship Time Requests

- On-line survey announced in February 2011
- 344 surveys started, 311 completed.
- An effort was made to reach Early Career scientists
- Analyze the results over the summer. Get feed back on the data that should be presented.
- Present results – Fall Annual/Council meeting



UNOLS Outreach, Training and Education Activities

- Chief Scientist Training Cruise:
 - Clare Reimers – Rapid Award
 - On-line Application Process
 - 2 Wecoma cruise opportunities – July and Sept
 - 14 students on each cruise
 - Cruise Blog
- Proposal submitted for student participation at winter DESSC meeting.
- 2011 UNOLS Goal – Explore Lectureship Program



UNOLS Public Outreach Resources

- Slide packages detailing the UNOLS Fleet and UNOLS activities can be provided by the UNOLS Office for outreach efforts.
- Examples <http://www.unols.org/info/outreach.html> :

Slide Package 1 - UNOLS Organization and UNOLS Fleet

General Overview: This package can be adapted for general public use as well as class lectures.

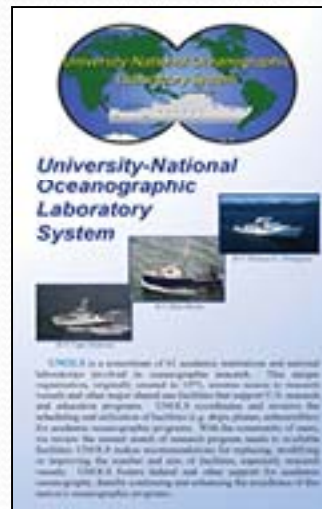
Slide Package 2 - Class Lecture: "Understanding the US

Academic Research Fleet and how to use it." Although this set of slides requires updating, it provides a good template for a class lecture.



UNOLS Public Outreach Resources

- Booklets, brochures, and posters are also available for use.
- "The Research Fleet" booklet
- UNOLS tri-fold informational brochure.





2011 Annual Meeting

- Date – October 25-26, 2011
- Keynote Speaker – Kate Moran
- Other Topics:
 - 40th Anniversary – UNOLS Through the Years.
 - Highlights, issues, ships, Chairs, etc. that UNOLS has been involved with over the year
 - Material Welcome



Thank you for participating in
the meeting.

Please be our friend!







SCOAR Membership

- Daniel Schwartz, UW (Chair, SCOAR) 04/09 - 04/12
- Steven Ramp, MBARI 04/09 - 04/12
- James Hain, ASWH 02/07 - 02/13
- Phil McGillivray (USCG) 04/10 – 03/13
- Luc Lenain (SIO) 06/11 – 06/14

- Bob Bluth, NPS, (ex-officio) 01/03 - XXXX
- Haflidi Jonsson, NPS, (ex-officio) 01/03 - XXXX
- Roy Woods, NPS, (ex-officio) 03/09 - XXXX
- Steven Hartz, UAF, RVTEC (ex-officio) 03/05 - XXXX



Action Items

- Sensors and Tools: (Cirpas/SCOAR)
 - Determine the inventory of available sensors and tools.
 - Review and update the list of capabilities (sensors and tools) that should be available to oceanographers
 - Prioritize
- Meet with agency reps at ONR and NSF. Inquire into the status of NSF's MOU – Oct 12th – Dan and Annette
- Check SCOAR broken links – UNOLS Office
- Draft a SCOAR/CIRPAS brochure – Dan, CIRPAS, and Annette



Action Items

- Submit a proposal for a proof-of concept experiment for a launch/recovery UAV demo on a Navy owned UNOLS Vessel – Ken Melville, Bob Bluth, Steve Hartz, Dan Schwartz, Phil M
- Update SCOAR website
- Propose an NSF workshop in relation to ocean observing systems – follow up at agency meetings, etc. – Phil and Dan
- Call for SCOAR Nominations - collect names.
- Circulate revised ToR to SCOAR
- Update SCOAR_Plus email lists – check for ~airborn email list~