

University-National Oceanographic Laboratory System

UNOLS Report

Updates on Activities and Issues



SCOAR Meeting ~ June 22 & 23, 2010

UNOLS Vessel Operations in the Gulf of Mexico

GULF OF MEXICO RAPID RESPONSE REQUESTED CRUISES- As of 8 June 2010

PI	Funding Agency/Grant#	Status	Ship	Dates	# Day	Ports
Gardener/NOAA cruise with Ostrom/NSF & Liu/NSF	Gardener-NOAA Ostrom-NSF1042887 Liu-NSF1042908	Funded NSF-portion Funded	Pelican	5/21 to 5/27	7	Cocodrie to Cocodrie
Roman, Boicourt, Brandt, Kimmel, Lavrentyev, Pierson	NSF1043248 NSF1043261 NSF	Funded	Pelican	9/1 to 9/7	7	Cocodrie to Cocodrie
Kessler w/ Yvon-Lewis, Bianchi, Raymond, Mills, Valentine	NSF1042650 NSF1042097	Funded	Cape Hatteras	6/11 to 6/20	10	Gulfport to Gulfport
Sidorovskaia	NSF	Pending	Req. Cape Hatteras	TBD	5	Gulfport to Gulfport
Joye-	NSF1043225	Funded	Walton Smith	5/21 to 6/10	21	Miami to Miami
Shiller	NSF-1042934	Pending	TBD	TBD		TBD
German	NSF1044289	Pending	Walton Smith	June?	2	TBD
Camilli, (Reddy, Valentine, Kessler)	NSF1045025	Funded	Endeavor	6/8-6/28	21	St.Pete to St. Pete
Fisher	NSF 1045083	Pending	Oceanus	TBD	11	TBD

Fleet Renewal Activities

Ocean Class Acquisition (Navy)

Status:

- **Two design/build team awards made in Jan 2010**
 - Marinette Marine-Glosten
 - Dakota Creek-Guido Perla
- **14 month Phase I design period**
 - Phase II award – Spring 2011
 - Ship deliveries in 2014
- **Operator Selections made in May 2010**
 - AGOR27 – WHOI
 - AGOR28 - SIO

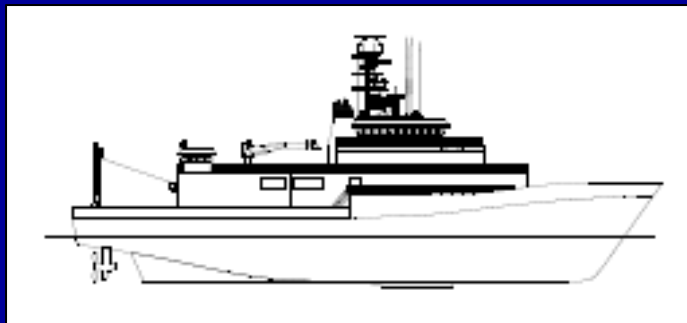
Fleet Renewal Activities

Regional Class Acquisition (NSF)

Phase I – 2 Ship Designs completed and the Glosten design was selected

Next ... – Design Refresh

FIC Tasking – Provide input on the “*Future areas of inquiry*” that include total power, DP capabilities, Aft Deck Space with two vans on deck, Bulbous bow and bubble sweep down, and Underwater Radiated Noise (URN). The FIC has been tasked to provide input by October 1, 2010.



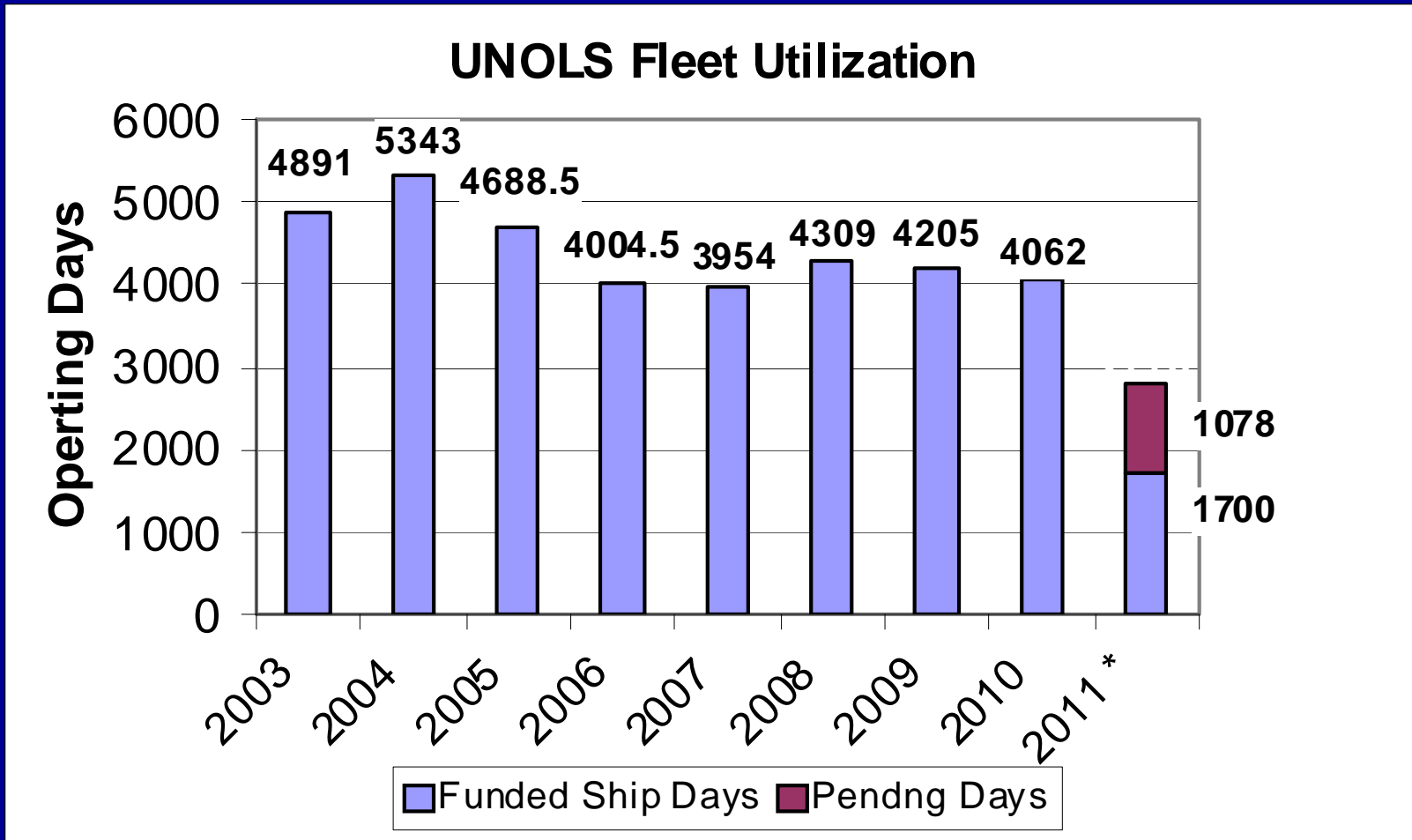
Fleet Renewal Activities

Alaska Region Research Vessel, R/V *Sikuliaq*

- December 2009 - The ship construction contract was awarded to Marinette Marine Corporation (MMC)
- Currently in the Design Verification and Transfer (DVT) phase.
- October 2010 - Module fabrication will begin.
- December 2011 - Z-drive delivery (Wartsila) to the shipyard.
- December 2012 - Vessel delivery to UAF.
- 2013 - Ice and science trials
- January 2014 - Vessel begins operations



Ship Time Demand



Funded= total science days times 1.35 factor for mob/demob /transit

Pending= total pending times 30% success with 1.35 factor applied and includes "to be submitted proposals"

Ship Time Demand (continued)

- Evaluate the decrease in ship time demand
 - There is a lot of anecdotal suggestions as to the cause to the decline
 - Conduct a survey to collect factual information
 - Get feedback from Program Managers
 - Ad hoc committee formed – Peter Wiebe, John Diebold, Rob Pinkel, Bruce Corliss

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Mentoring/Education/Outreach

- Background
- The current sea-going science community is aging
- Ship demand is decreasing
- New Chief Scientists could benefit by an orientation program.

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Mentoring/Education/Outreach

- Goals:
 - Provide user orientation to increase cruise effectiveness and success of the cruise
 - Lesson the load on support groups
 - Lower boundaries, encourage ship time requests

Ocean Observing Science Committee (OOSC)

- A new UNOLS standing committee has been suggested for advising on Ocean Observing systems. OOSC will serve as the voice of the community.
- Ad Hoc committee: John Morrison, Wilf Gardner, and Kenneth Coale
- OOSC Terms of Reference – endorsed by Council.
- Placed on the ballot for membership vote at the fall Annual Meeting
- Upon Membership endorsement, the OOSC ToR will be added as Annex X to the UNOLS Charter and a new Standing Committee will be formed
- A “Call for Nomination” has been announced.

Antarctic Research Vessels and UNOLS

- At the March Council meeting an *ad hoc* committee was formed: Vernon Asper, Robin Muench, and Peter Wiebe
- The ad hoc committee with input from Bob Houtman and program managers in OPP drafted a letter to OPP.
- This letter suggests:
 - That OCE, OPP, and UNOLS work together to acquire any new Southern Ocean vessels that will replace the NB Palmer and LM Gould, and
 - that these new vessels become part of the UNOLS fleet.
- The will be sent to NSF this week.

UNOLS Charter Review

- Charter review/re-adoption is required every 3 years.
- Review subcommittee: Nancy Rabalais, Rob Pinkel, and Vernon Asper
- All Committee Chairs have been requested to review their respective Charter Annex and forward any suggested changes by June 5th.
- Charter revisions should be finalized by mid August.
- Distribution to membership at least 30 days in advance of Annual Meeting

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.

Workshop will be proposed for early 2011



UNOLS On-Going Activities and Issues

(Continued)

- **Rolling deck to Repository (R2R)**

Meeting Announcement
The UNOLS Annual Meeting will be held
Thursday and Friday
October 14 & 15, 2010
at
The National Science Foundation

Keynote Speaker – Dr. Kate Moran

End

Thank you!