UNOLS Report to SCOAR
June 27-28, 2013
UNOLS Report - Topics

• UNOLS Fleet Operations
• Fleet Modernization Projects
• UNOLS Outreach & Education:
  • UNOLS Speaker Series
  • Early Career Initiatives
  • UNOLS and Telepresence
UNOLS Fleet Operations
POINT SUR’s Transit South

- Departs Nov. 28th 2012
- 31,000 Nautical Miles
- 38 Days Transit
- 31,000 Gallons Fuel used
- Two re-fueling stops
- 1 Christmas tree
Figure 3: Ship Days Funded/Pending and Days Available
(Note: 2014 LOI includes 20% success rate of pending days)
Agency Recommendations regarding Fleet Operations

- Agency Recommendations were provided to the UNOLS this week (June 26th)
  - *Cape Hatteras* was retired in 2013
  - Retire *Point Sur, Knorr, and Melville* in 2014
  - Midlife refits are under consideration for *Thompson, Revelle, and Atlantis* – moving forward with plan for *Thompson* in 2014
- UNOLS Council Subcommittee will prepare a response to the agency recommendations
Fleet Modernization
Dock and Builders Sea Trials – May 2013
Preliminary Acceptance by UAF – August 2, 2013 (1 week delay)
Science Trials/Transit (Phase IV) – Sept 2013 – Jan 2014
Alongside Seward, AK – February – March, 2014
Ice Trials – April 2014 (MREFC)
Warranty Shipyard – May/June 2014 (MREFC)
Begin Science Operations – June 2014 (Ship Ops Program)
OSU selected as the Lead Institution for the RCRV project
- Funds awarded to Conceptual Design Review (CDR) only - December 3-5, 2013 at NSF
- Advancement to Preliminary Design Review (PDR) contingent upon successful CDR and availability of funding
- Three vessels currently planned
- Actual number of vessels based on projected science utilization and availability of funding
Regional Class Research Vessel (RCRV)
FIC/Council - March 2013

- Operator selection to take place once number of vessels is known - **Solicitation in early CY 2017**
- Open design refresh process through RCRV Science Oversight Committee (SOC) and OSU reports to UNOLS
- Regional representation on the SOC during design refresh
- MREFC Funding Request for FY17 in **March 2015**
- First RCRV operational in **~CY 2020**
Ocean Class Acquisition (Navy)

- Operator Selections made in May 2010
  - AGOR27 – WHOI
  - AGOR28 – SIO
- Phase II award (construction) in Fall 2011 - Dakota Creek-Guido Perla
- Keel Laying Ceremony – August 17, 2012 at Dakota Creek Shipyard
- Ships Named:
  - R/V Neal Armstrong
  - R/V Sally Ride
- Ship deliveries in 2014/2015
FSR – Fleet Modernization

Federal Oceanographic Fleet Modernization (2007-2022)

- NSF (Completed)
- NOAA (Completed)
- Navy (In Progress)
- NSF (In Progress)
- NSF (Future)
FSR – Fuel Costs

- FY03 - $13.9M in Fuel $122.5M Total Cost ($0.84/gallon) 11% of budget
- FY11 - $44.4M in Fuel $180.0M Total Cost ($3.33/gallon) 25% of budget
UNOLS Education and Outreach Activities
UNOLS Goal 2010/2011: UNOLS SPEAKER SERIES

- To establish a speaker series to highlight UNOLS ships and oceanographic research and to serve as an outreach activity to non-UNOLS colleges and universities
- Particular attention to institutions with under-represented minorities in the marine sciences
- Series to run for three years beginning in fall 2012 and evaluated in 2015.
Regional Coordinators:

Great Lakes: Doug Ricketts (Univ. of Minn.)
Northwest: Bob Collier (OSU)
Southwest: Bruce Applegate (SIO)
Northeast: Mary Jane Perry (Univ. of Maine)
Southeast: Peter Ortner (RSMAS)
Gulf Coast: Vernon Asper (Univ. of Southern Miss.)
Hawaii: Marcie Grabowski (Univ. of Hawaii)
Alaska: Terry Whitledge (Univ. of Alaska)
Recent Activities and Tasks

- Phone Meeting with Regional Coordinators: Feb 7, 2013
- Establish an email list serve for the Coordinators
- Created a Speaker Series DropBox.
- Create a UNOLS Flyer that can be used to recruit host institutions.
- Post the UNOLS Marine Tech Flyer in the DropBox
- Create a spreadsheet for tracking the Speaker Series Activities.
- Hold quarterly meetings
- Recruited first non-coordinator “speaker”
UNOLS Early Career Scientist Initiatives

- **Chief Scientist Training Cruises:**
  - PI: Clare Reimers – Rapid Award (3-Year program)
  - On-line Application Process
  - Approximately 14 students on each cruise
  - Cruise Blog
  - 2011: Two *Wecoma* cruise opportunities
  - 2012: Cruise on *New Horizon*
  - 2013: *Endeavor* cruise in mid-October, 44 applicants
UNOLS Early Career Scientist Initiatives

- DESSC Early Career Scientist Workshops:
  - December 2011 – 30 participants
  - December 2012 – 30+ participants

- Fleet Improvement Committee Early Career Scientist Program planned to coincide with UNOLS Annual meetings.

- MLSOC Workshop planned for December 2013
UNOLS and Telepresence

Expanding the scope of a sea-going research expedition
National Deep Submergence Facility
Thank you!

Please be our friend!