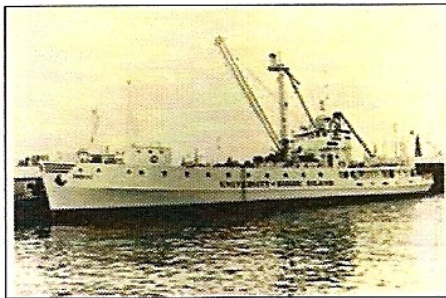


UNOLS is turning 40!



R/V Trident



R/V Kilo Moana

*Please join us at the
UNOLS Annual Meeting
on October 25-26th, 2011
to begin our 40th anniversary
celebration.*



UNOLS: 2012

- ◆ Ocean Class design
- ◆ Regional Class plans
- ◆ R/V/ Sikuliaq
- ◆ Alvin upgrade
- ◆ Refresh of SMR for Polar Research Vessel
- ◆ UNOLS ships in Gulf of Mexico
- ◆ NOAA and UNOLS cooperation
- ◆ UNOLS Ship Classification
- ◆ Early Career Cruises



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 given to institutions with under-represented minorities in the marine sciences
- * Series to run for three years beginning in spring 2012.



Proposed procedures:

- * Divide membership into 8 regions
- * Identify minority undergraduate programs
- * 1-2 UNOLS reps in each region to recruit speakers and coordinate speaker series
- * Funding for regional travel from UNOLS budget



Operator Institution

Note: Symbol indicates home port location. Multiple ships may operate from a single location.

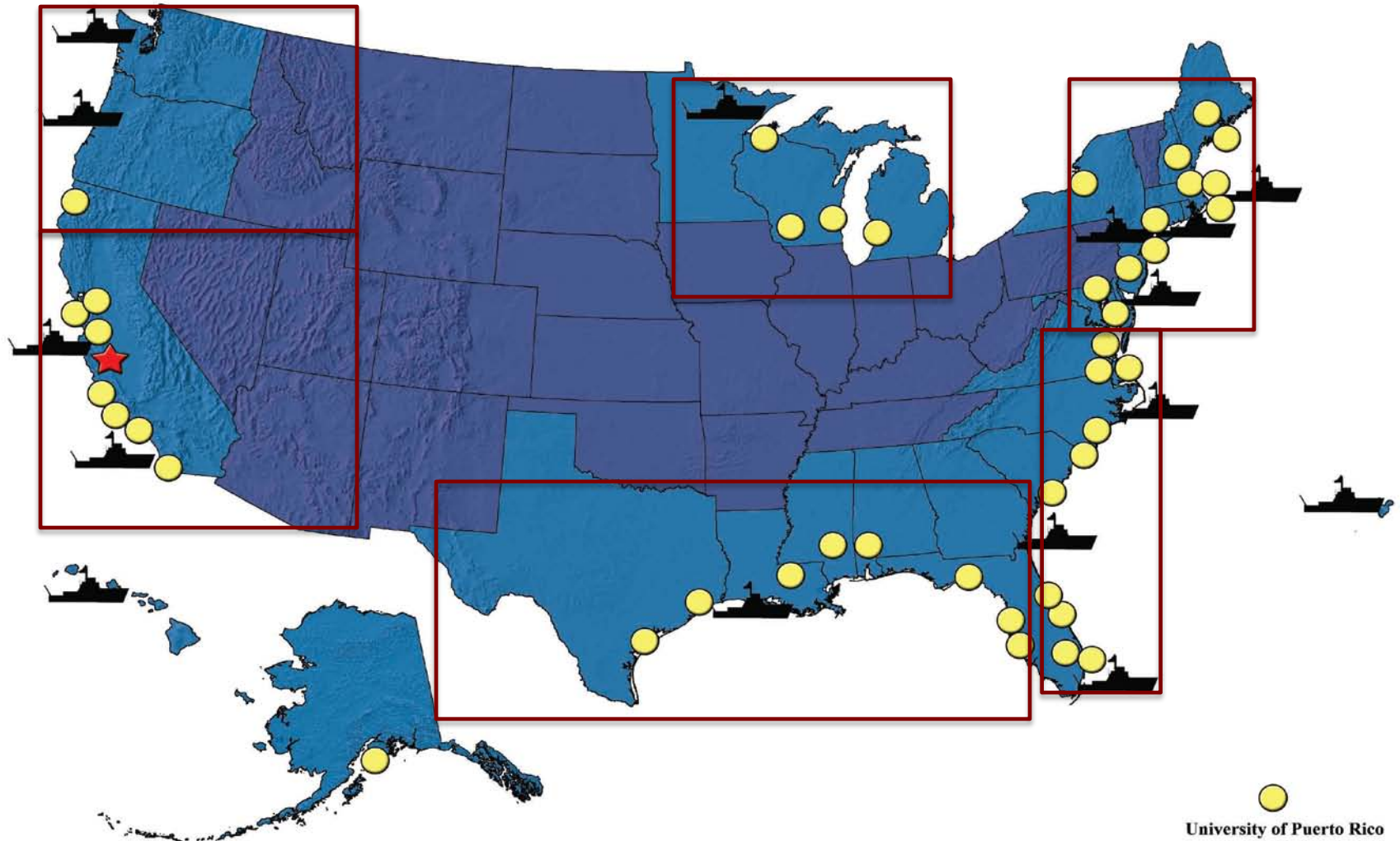


Non-Operator Institution



National Oceanographic Aircraft Facility Operator

UNOLS MEMBERSHIP



Smithsonian Tropical Research Institute - Panama



University of Puerto Rico





Regional Coordinators:

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.)

Great Lakes: Doug Ricketts

Alaska:

Hawaii:



Greening the U.S. Academic Fleet: A UNOLS Workshop

Objective: An Assessment of Current Technologies, Designs and Practices for Environmentally Sustainable Research Vessels

Time: January 10-11, 2012

Location: Nicholas School of the Environment, Duke University, Durham, NC

Composition: 25-30 invitees, with representation from Council, RVOC, RVTEC, FIC, NSF, Navy, NOAA, architects and naval designers, industry, and marine scientists interested in attending.



Participants to date:

NSF

ONR

NOAA

Glosten Associates

JMS Naval Architects and Salvage Engineers

Alaris Companies

ARUP

Foss Maritime

Lloyd's Registry

Kluber Lubrication North America

National Marine Facilities Sea Systems; Southampton

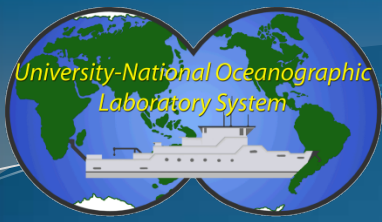
Eurofleet Project

Royal Caribbean Cruises



Early Career Scientist – Cruise Training Program Participants Program

- teach early career marine scientists how to effectively plan for, acquire, utilize and report on time at sea for multi-disciplinary research and education
- demystify the process of ship operations and fulfill the intent of UNOLS to improve access to existing and future facilities
- offer new investigators opportunities to test compelling research ideas, work collaboratively and acquire samples critical for developing future oceanographic field programs



Early Career Scientist – Cruise Training Program Participants- Cruise 2

Amy Maas, WHOI

**Craig McClain, National Evolutionary
Synthesis Center**

Paul Suprenand, U of South Florida

Jennifer McCay, Oregon State U

Danielle Wain, U of Washington

Meghan Powers, UC Santa Cruz/MBARI

Laurel Childress, Northwestern U

Sarah Hardy*, U of Alaska Fairbanks

William Browne, U of Miami

Pincelli Hull, Yale University

**Henk-Jan Hoving, Monterey Bay Aquarium
Research Institute**

Karen Osborn, Smithsonian

**Zoltan Szuts*, Max Planck Institute for
Meteorology**

Heather Beem, MIT/WHOI

** co-chief scientist*



Mentors/Marine Technicians

Clare Reimers, Oregon State University

Maureen Conte, BIOS/MBL

Daryl Swensen, Oregon State University

Chris Moser, Oregon State University



Early Career Scientist – Cruise Training Program

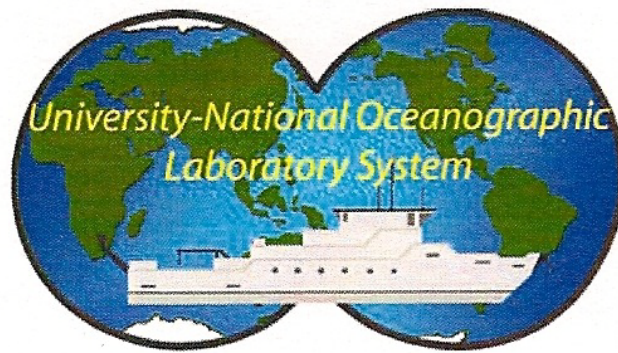
- Chief Scientist Training Opportunity with one cruise training cruise per year
- Clare Reimers will be the lead PI on this program. She will work with NSF to determine program feasibility and ship/cruise options.



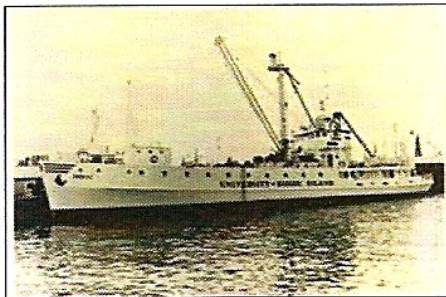
2012 Goal

* To evaluate the size and composition of the fleet for the next 5-10 years

1. 2012 Non-operator committee with UNOLS office and agencies to estimate the number of days or funding levels per year needed, with surge capability estimated as well.
2. FIC will provide an evaluation of fleet needs and scenarios to meet these needs using target numbers, and submit a report to Council and Non-operator committee
3. Non-operator committee will submit recommendations to Council
4. Council will make recommendations to federal agencies, and FIC and Non-operator committees reports shared with agencies.



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UNOLS @ 40 YEARS

- * Development of the academic fleet and National Deep Submergence Facility
- * Safety and maintenance procedures and standards
- * Equipment pool and new technology
- * Development of Technical Support
- * UNOLS-OPP-OCE collaborations
- * Ocean Observing Science Committee
- * Fleet Renewal
 - Kilo Moana
 - Marcus Langseth
 - Sikuliaq
 - 2 Ocean class vessels
 - 3 Regional class vessels



LONG TERM GOALS:

- 1) Promote environmental sustainability within UNOLS
- 2) Guidelines for construction, operation and recycling of UNOLS Research Vessels
- 3) Development of green vessel guidelines for U.S. vessels (outreach)
- 4) Promote environmental awareness on UNOLS ships with U.S. ocean scientists (outreach)
- 5) Ocean Class and Regional Class vessel construction



Format: 1 ½ day workshop with invited presentations on various aspects of green ships: design, technology, practices

Funding: Proposal for support of the workshop funded by NSF and ONR

Announcement: UNOLS website and mailing lists, advertisement for workshop in EOS



Report of the Working Group to Develop Funding Models for New Ships Consortium for Ocean Leadership

- A community-based decadal survey process for integrated plans for community infrastructure
 - A flexible portfolio of acquisition processes: leasing, government-owned, contractor-operated, build/own, private and non-federal assets
 - A multi-year escrow account for construction and operations
- * A new governance strategy for federal agencies: Commitment to implementation, designate lead agency to oversee process.



- **UNOLS REVIEW**

- * Review and response by FIC to the Council at the winter meeting
- * Review and discussion by Council at the winter meeting with response sent to COL and the agencies



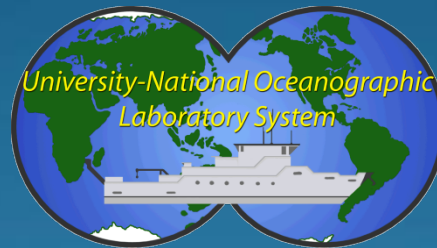
Criteria and Process for Recommending Non-Operational Periods of Ships in the UNOLS Fleet

Curt Collins, Wilford Gardner, Marcia McMutt (chair), Peter Ortnier
2006

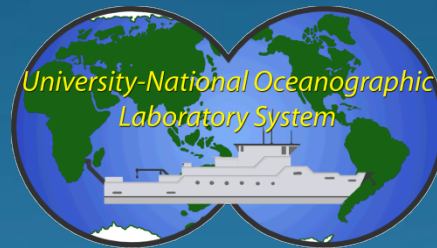
Objective: Recommendations for ship lay-ups and retirements and procedures to be followed

Procedures:

- 1) Based on anticipated ship usage, the agencies will make a recommendation to a non-operator subcommittee of UNOLS Council consisting of at least three members from non-ship operator institutions.



- 2) The subcommittee will share the draft recommendation from the agencies with UNOLS ship operators, the Council, and other interested parties.
- 3) Based on input from these groups, the subcommittee will provide feedback to the agencies on the recommendations and possible alternative scenarios to consider.
- 2011: Non-operator subcommittee consisting of Council members Robin Muench, John Morrison, and Vernon Asper will present agency recommendations.



- **UNOLS and NOAA Fleet Coordination**

- Initial meeting with Ralph Rogers , Chris Beaverson, Jon Alberts, Peter Ortner, and Bruce Corliss at winter 2010 UNOLS meeting
- Meeting with Admirals Devany and Bailey with Bruce Corliss at RVOC (San Diego) in April 2011
- Meeting with Admiral Devany, Jon Alberts, Annette DeSilva, Peter Orner, and Bruce Corliss at WHOI in June 2011
- Meeting planned with Admiral Devany, Jon Alberts, Peter Ortner, and Bruce Corliss November 2, 2011 at Silver Springs, MD