



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

Curt Collins, Wilford Gardner, Marcia McMutt (chair), Peter Ortner  
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.



## Considerations

- Meeting Science Needs
- Geographic Availability
- Cost of Operations
- Quality of Operations
- Sharing the pain
- Diversity of operators



## **Non-Operator Committee- May 2012**

Deb Steinberg/ Virginia Institute of Marine Sciences

Wilf Gardner/Texas A & M

Robin Muench/ Earth & Space Research

Vernon Asper/Univ. of Southern Miss.



## Process

- Council establishes a non-operator committee to include at least (3) UNOLS Council members
- Agencies submit in writing these substantive recommendations to this non-operator committee.
- Non-operator Committee will share draft recommendations with UNOLS ship operators, the Council, and other interested parties.
- *Non-Op Committee will provide balanced, fair, un-conflicted feedback to the Agencies on the adequacy of the recommendations and possible alternative scenarios to consider.*
- Within 30 days of receiving lay-up and /or retirement recommendations from Agencies, non op committee will conduct their review and provide a response back to Agencies after vetting through the full Council.



# Agency Recommendation for 2013 Fleet Operations -

- Letter prepared by NSF/ONR/UNOLS
- Submitted to Council 1 June 2012



# Agency Recommendations for Fleet Operations for 2013 and Beyond

UNOLS Council Meeting

June 6-7, 2012

1. Retire Cape Hatteras in 2013
2. Consider retiring Pt. Sur in 2014



3. ONR continues to plan for retirement of R/V *Knorr* and R/V *Melville* in conjunction with requirements for crew training prior to deliveries of Ocean Class AGORs 27 and 28. Nominally this will result in *Knorr* coming off line by April 2014, and *Melville* off line by December 2014. Depending on scheduling requirements and demands in 2014, retirements may take place sooner.





4. ONR has initiated scoping studies for mid-life refit of the Global AGOR 23 Class of vessels, to include R/V *Thompson*, R/V *Revelle* and R/V *Atlantis*. Depending on availability of funds, these refits could start as early as mid-2014 with *Thompson*, and could extend the Expected Service Life of the vessels to 40 years.

# UNOLS Early Career Investigator Chief Scientist Training Program

Clare Reimers

Report to FIC

June 5, 2012





## Program Goals

- 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

# 2011 Participants

## Gender

16 female

12 male

## Positions

1 Assist. Director of Science

1 Assoc. Prof.

10 Assist. Prof.

1 Res. Assoc.

7 Post-docs

8 Graduate Students

## Disciplines

Chemical Oceanography

Biological Oceanography

Atmospheric Chemistry

Marine Geology and  
Geophysics

Physical Oceanography

Ocean Engineering



## 2012 Program

Applications closed June 1, 2012

39 applications received from  
24 institutions,  
soon to be reviewed.....

November 7-16, 2012  
Scripps Institution of  
Oceanography Marine  
Operation Facilities &  
*R/V New Horizon*





## 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.
- \* National speaker series with UNOLS institutions





## Approach

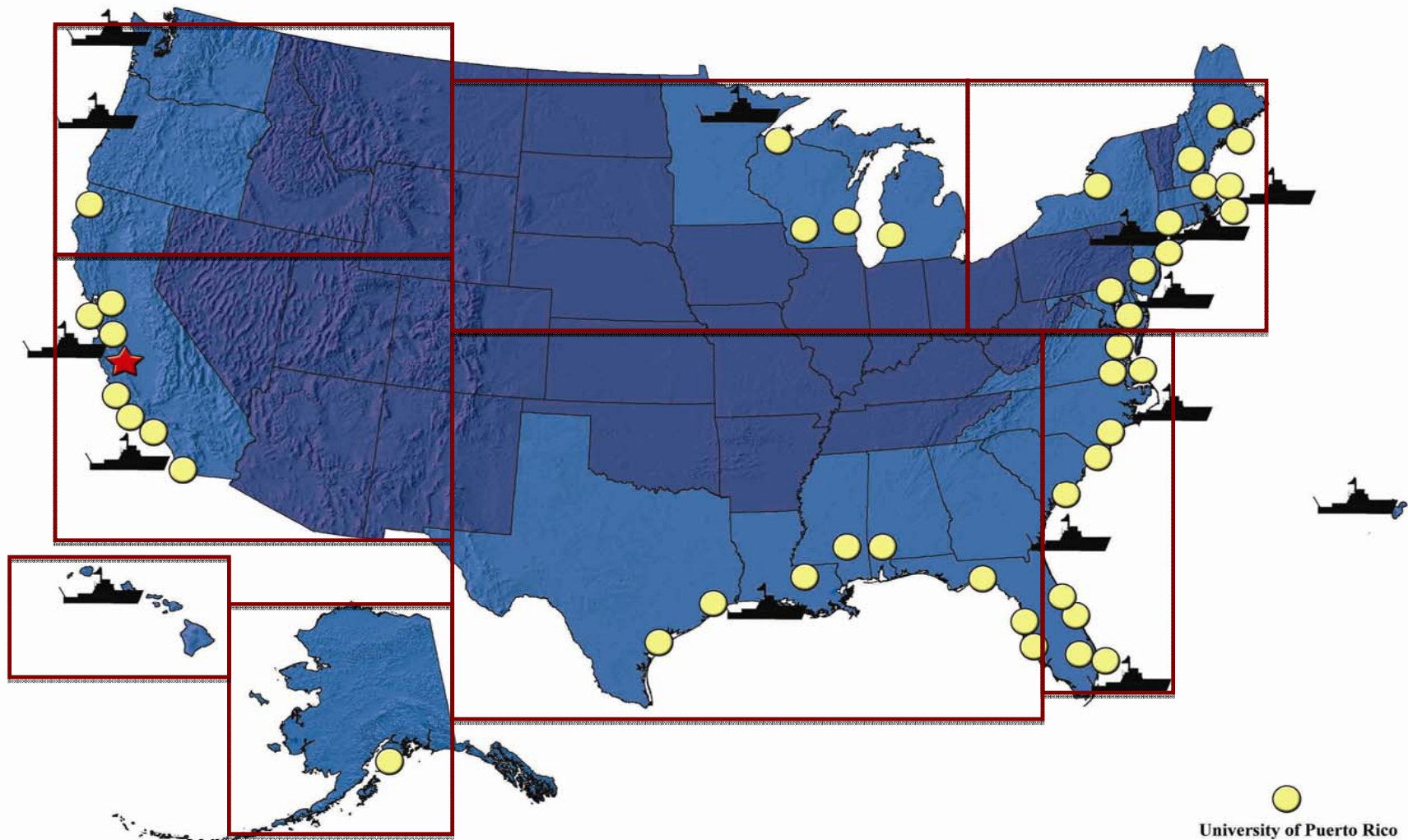
- \* Divide membership into 8 regions
- \* Identify minority undergraduate programs:  
(<http://g.co/maps/wvax5>)
- \* Coordinator in each region to recruit speakers and coordinate speaker series
- \* Identify REU experiences available for summer
- \* Funding for regional travel from UNOLS budget

# UNOLS MEMBERSHIP

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

 **Non-Operator Institution**

 **National Oceanographic Aircraft Facility Operator**



 Smithsonian Tropical Research Institute - Panama

 University of Puerto Rico





## 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)







## **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.



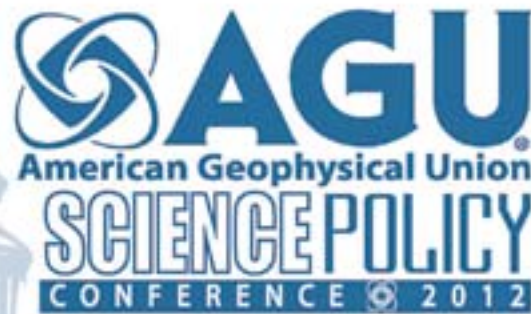
## ● **UNOLS REVIEW**

- 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

## 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 with Admiral Devany, Jon Alberts, Peter Ortner, and Bruce Corliss November 2, 2011 at Silver Springs, MD
- Meeting planned June 1, 2012 at WHOI



[HOME](#)

[PROGRAM](#)

[EVENTS](#)

[TRAVEL &  
HOUSING](#)

[REGISTRATION &  
MEETING SERVICES](#)

## Welcome to the Science Policy Conference Website

Monday, 30 April – Thursday, 3 May 2012

Ronald Reagan Building and International Trade Center, Washington, DC



**Oceans 3: Oceans Research: Ensuring Sustainable Oceans and how oceans research impacts oceans health, the economy, and national security**

***Ballroom A***

**Robert Gagosian**, President, Consortium for Ocean Leadership [moderator]

**Holly Bamford**, Deputy Assistant Administrator, National Ocean Service, National Oceanic and Atmospheric Administration

**Bruce Corliss**, Professor of Earth and Ocean Sciences at Duke; Chair of the University-National Oceanographic Laboratory System Council

**David Gallo**, Director of Special Projects at the Woods Hole Oceanographic Institution

**Rear Admiral David Titley**, Director, Maritime Domain Awareness and Space, Oceanographer and Navigator of the Navy





## Ocean Observing Science Committee members

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

# Charge

- Provide advice on decisions and plans from the science perspective related to NSF ocean observatories (MARS, HOTS, BATS, OOI, and others) and ocean observing support systems. These may include the US Academic Research Fleet, AUV/ROVs, and other unmanned systems such as gliders. The OOSC will not review proposals, but rather provide a research community perspective on the strategic, tactical and prioritization issues that project teams and agencies are addressing for the portfolio of ocean observatories.
- Represent science user perspectives. The OOSC will provide through the UNOLS process, the science user perspective to the project teams and the federal agencies that are developing, deploying and operating ocean observatories. The OOSC will develop a process and structure for effectively representing the community who use or who have interest in NSF ocean observatories and supporting systems.
- Provide technical advice. The OOSC will be requested by NSF to review technical decisions and trade off analyses to inform decisions and provide advice as needed. This may require establishing subcommittees.
- Project Reviews. NSF will conduct periodic performance reviews of the OOI construction project using personnel not associated with the OOI Project Team. The OOSC will be requested by NSF to observe (1-2 OOSC members) these reviews and provide science users perspectives.
- Evaluate best practices across Ocean Observatories. The OOSC will identify and disseminate best practices for ocean observatories across both technical and managerial regimes.
- Reporting. Reports of activities shall be made to the UNOLS membership on at least an annual basis and to the UNOLS Council at regularly scheduled Council meetings.











## A NEW COASTAL CLASS VESSEL FOR RESEARCH AND EDUCATION

- Fast and stable coastal vessel able to go from shallow to offshore and carry out wide range of missions
- Low day rate with small crew; economical fuel
- Funding from states, institutions, philanthropy, federal agencies
- Green technology



Derek M. Baylis

(<http://oceanexplorer.noaa.gov/explorations/10sanandreas/background/green/green.html>)





<http://www.allamericanmarine.com/project/62-aluminum-research-vessel-catamaran-shearwater/>