

FIC Report



**UNOLS COUNCIL MEETING
MARCH 7, 2011**

CLARE REIMERS, FIC CHAIR

**RECENT ACTIVITIES
HIGHLIGHTS OF MARCH 8-9, 2011 MEETING**

NOAA Pacific Home Port Construction Newport, OR, 2-25-11 Aerial photo



New NOAA pier

Courtesy Maureen Keeler, Port of Newport

View from the Yaquina Bridge 3-2-11



FIC Membership



- Clare Reimers, OSU (Chair) At-large, 9/09-09/12
- David Bradley, PSU Non-operator, 1/10-1/13
- **Fernando Martinez, UH-Manoa, At-large, 2/11-2/14**
- Miles Sundermeyer, UMassD, Non-operator, 1/10-1/13
- Maureen Conte, BIOS Operator, 9/06-9/12
- Al Hine, USF Non-operator, 9/06-9/12
- David Checkley, UCSD Operator, 9/07-9/13
- Allan H. Devol, UW Operator, 2/09-2/12
- Al Suchy, WHOI - RVOC Rep (ex-officio), 6/03-XXXX
- Marc Willis, OSU -RVTEC Rep (ex-officio), 10/03-XXXX
- **Sandy Shor, UH -MLSOC Rep (ex-officio), 01/11-XXXX**

UNOLS Design and Construction Efforts



- **OCR V**
 - FIC gave input to ONR on proposed Mission Equipment Specifications (MES) and Priorities for Ocean Class AGORs. Generally, concurred with proposed specifications and priorities but raised 8 points for further consideration or clarification. Awaiting update from Mike Prince and Chris MacDonald at FIC meeting (March 9th).
 - Made initial inquiries within the community for members for an Ocean Class Advisory Committee (OCAC). 5 individuals to be considered at FIC meeting (March 9th), FIC to recommend to Council, Council will appoint.

FIP Appendix on Ocean Acoustics



- Dave Bradley has drafted an Appendix for the 2009 Fleet Improvement Plan (FIP) summarizing research areas in Ocean Acoustics, future science experiments and facility needs, advances in methodology, and technologies that will influence Ocean Acoustics.
- FIC in process of reviewing and offering suggestions for changes, then will forward to Council for approval and posting on UNOLS website.

FIC Mentoring Activities



- January 20, 2011- C. Reimers submits RAPID proposal **“Training Chief Scientists for the Ocean Research of Tomorrow”** to NSF Ship Operations
- two separate Chief Scientist Training Cruises in 2011 on *Wecoma* to serve as forums for teaching early career marine scientists how to effectively plan for, acquire, utilize and report on time at sea for multi-disciplinary research and educational activities
- FIC to provide input on training materials and assessment of effectiveness
- Full report to Council and FIC -March 8th

FIC Meeting Highlights- March 8th



- Panel Discussion on Ship Radiated Noise
 - Experts (Chris Barber, Mike Bahtiarian and Tim Gates) to overview ship radiated noise sources, issues, standards, solutions and impact on acoustic mission equipment
 - Purpose to enhance FIC ability to advise on SMRs and future ship designs
 - Future FIC speakers on topics of interest to be identified

- SMR Discussions
 - Lessons learned from *Sikuliaq*, OC and RCRV processes-M. Willis
 - Consideration of drafting of new “General SMR document”
 - Polar Research Vessel SMR Project- workshop recap

March 9th- Fleet Planning



- FIC to hear from NSF on recommendations for new service life end dates for NSF-owned Intermediate and Regional Class Vessels based on newly released Vessel Condition Summaries.
- Anticipate debate on ***R/V Oceanus*** ESL=2012!?
- Will be working with NSF to post recommendations on new end dates, investments and upgrades through 2030.

New Technologies in UNOLS Fleet



- WHOI Long-coring system
 - FIC has received Installation Feasibility Report prepared by Glosten Associates for WHOI reviewing feasibility of installing Long Core system on:
 - ★ *R/V Marcus G. Langseth*
 - ★ *R/V Thomas G. Thompson (AGOR 24)*
 - ★ *R/V Roger Revelle (AGOR 23)*
 - FIC drafting a set of user debrief questions for future long corer cruises (similar to *Sharp* debrief process)
 - NSF to report on future projections for long corer operations