

**University-National Oceanographic Laboratory System**

**UNOLS**

**Report to the  
Research Vessel Technical Enhancement Committee**



**November 3, 2004**

## UNOLS Activities: 2004 - 2005

- **Fleet Renewal – Major Focus (Marc Willis)**
- **Arctic Icebreaker Coordination Arctic Icebreaker Coordination (Dale Chayes)**
- **Deep Submergence – new facilities**
- **Aircraft for Oceanographic**
- **Ship Scheduling**
- **UNOLS Continuing Issues**

# Deep Submergence

- **Community input to NSF/WHOI on ALVIN replacement and Hybrid ROV development**

## **ALVIN Replacement Timeline:**

**2005 - Hull design and construction.**

**2006 – Hull design and fabrication continues.**

**2007 – Vehicle fabrication and purchase**

**2008 – Sea Trials, ready for service**

## **HROV Timeline: Ready for service in 2007**

- **Next DESSC Meeting will be held in San Francisco, Sunday, 12 December.**

# Aircraft for Oceanography



- SCOAR is developing procedures and criteria for broader use and accessibility of aircraft
- Interact with NCAR-OFAP and ICCAGRA
- Set up procedures for designating new National Oceanographic Aircraft Facilities
- Define basic instrument suite for UNOLS ocean science aircraft
- Set up web-based CIRPAS request system
- Determine operational guidelines and safety standards for UNOLS NOAF aircraft
- Next Meeting – Next Week via phone/web conference.

# **Other UNOLS Continuing Issues & Activities**

**Ship Scheduling** – Ship Scheduling Committee resolved complex scheduling issues created by budget situation

**Quality Improvement** - Post-cruise assessment process, Kilo Moana debriefs.

**Community Engagement/Outreach**

**Marine Mammals and Acoustic Permitting Issues**

**Frequency Spectrum Management Issue**

**Shipboard Over-the-Side Handling Systems** - Manufacturer winch inspections and load handling system workshop

**Research Vessel Security and new regulatory requirements**

**Chair – Peter Wiebe, Chair Elect – Marcia McNutt**