

UNOLS Report



DESSC Meeting
June 10-11, 2008

UNOLS Projects

- Wire workshop - better .322
- Additional functions for the STRS system
 - Part two - cruise planning
 - Post Cruise Assessments & Utilization reports
 - Technical services info and ship instrumentation/specifications
 - Cruise metadata and other data products that might be recommended by data committee
- FIC – Revising all Science Mission Requirement Documents and finalizing Fleet Improvement Plan.
- New UNOLS Brochure
- Data Best Practices Committee (next slide)

Data Management Best Practices

Committee's charge:

- 1. Identifying existing best practices, and
- 2. Making selective recommendations for new ones.

Work is guided by these two broad principles:

- 1. The community is best served if metadata are *routinely reported* by *every platform* to a *central repository* in a *standard format*.
- 2. It's easier to train a dozen operators than a thousand scientists.

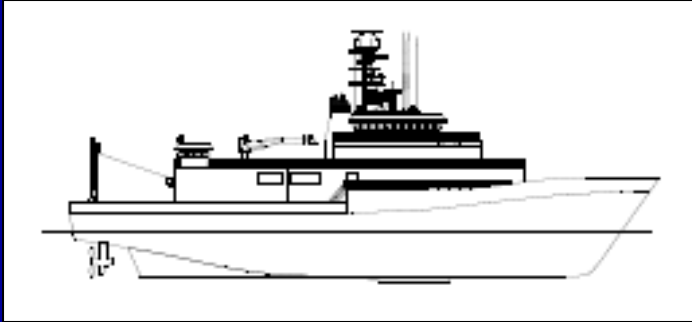
Preliminary recommendation - this initial set of information be routinely reported for each cruise leg:

- 1. Basic "cruise-level" metadata record
- 2. Navigation (platform track i.e. time+position)
- 3. Event log ("everything over the side")

TWIC

- Transportation Worker Identification Credential (TWIC) - Information for the UNOLS Community
http://www.unols.org/info/UNOLS_TWIC_INFO_051408.pdf
- TWIC cards are required for unescorted access to secure vessels and facilities.
- UNOLS recommends that scientists who use secure vessels/facilities obtain TWIC cards

Fleet Renewal Activities



Ocean Class Acquisition (Navy)

Status:

- Planning for Program Initiation

Quantity: (2) Ships

Phase I: Contract/Preliminary Design

- 18 mos. And multiple awardees.

Phase II: Detail Design & Construction

- 1st ship: FY14, Q2
- 2nd ship: FY14, Q4

Cost: \$92.5/ship

Regional Class Acquisition (NSF)

Phase I

- Nearing completion

Phase II

- Suspension of the detailed design and construction phase until funding is available (FY 2010 or later).
- Industry pressures and time delay has led to “guesstimates” being \$50-60M per ship.
- **NSF Remains Committed to RCRV**– but likely forced to build fewer ships.
- MREFC funding instead of Mid-Sized Infrastructure?

Fleet Renewal Activities



Alaska Region Research Vessel

Currently \$0 in FY09 for NSF MREFC funding.

No Cost Overrun policy from Director of NSF.

All MREFC projects MUST:

- Have "robust" Final Design Reviews that includes, cost, contingencies,, and risk analysis.
- NSB approval after FDR before proceeding to construction.
- 30 month build time

R/V *Marcus Langseth*



- Began Science Operations – February 2008
- Completed 3-D Sea Trials

2008 Fleet Operations

- 2008 Ship Schedules improved due to a large amount of ship time from non-traditional sources.
- Ship day rates are climbing faster than the government budgets that fund them.
- The ship operations costs in 2007 were \$72M (4063 ship days) compared to \$89M (4337 ship days) in 2008 with the average day rate increasing from \$17,744 in 2007 to \$ 20,144 in 2008.

2009 Fleet Operations

- We are starting the 2009 schedule preparation in the same hole we started the 2008 schedules in –
 - not enough ship days,
 - not enough ship operations funds, and
 - out look for improvement looks dim considering the federal budgets.
- Phone conferences will be held in the summer with the funding agencies and schedulers.
- All schedulers will meet at NSF in October, hopefully to finalize the schedules.