

Equipment Pools

UNOLS FIC/Council Meeting – March 2010

Matt Hawkins, NSF

- Purpose and Goals
- Organizational Structure & Funding
- Status, POC, Inventory & Future
 - Wire Pool (WHOI)
 - East Coast Van Pool (UD)
 - West Coast Van Pool (OSU)
 - East Coast Winch Pool (WHOI)
 - West Coast Winch Pool (SIO)

A subtle distinction...

- Pooled Equipment = Agency funded equipment intended to be used on multiple ships but managed by one institution. Generally, NSF retains title of equipment.
- Shared-Use Equipment = Agency funded equipment with majority use on one vessel, but occasional use on other ships on an as needed basis. Institution has ownership of equipment.

Purpose & Goals

- *“Centers of Expertise”*
 - New requirements (Van standards, Appendix A & B)
 - Facilitate engineering analysis & documentation
 - Understand and communicate equipment capabilities
 - Additional support for Operators and Science
- *“Free at the Point of Use”* to NSF-funded users. Other users pay standard daily rates > **Share maintenance costs**
- Central point of contact for Operators & Science
- Relieve burden on Operators > **Rental car model**
- Reduce need for duplication of equipment at multiple institutions > **Long term cost savings**

Purpose & Goals

- Improved budget transparency > What do things really cost to operate and maintain properly?
- Focused equipment purchases and dedicated, long-term support budgets
- Improved management, maintenance & reliability > “Quality of Service” to Science

What the Pools are NOT

- An “unfunded mandate” – Takes effort.
- A repository for old junk
- A mechanism to support “orphaned” equipment

Organizational Structure and Funding

- Designated Pool Manager
- “Normalized” daily rates for all equipment
- 3 to 5 year grants
- Standard Pool budget format used
- Subject to standard NSF review process
- Funded through SSSE and OI programs

Wire Pool (WHOI & SIO)

- Oldest established Pool. Moving toward standard budget format and operating model.
- SIO is west coast storage facility – Does not have dedicated grant/funding (though some support for spooling through the Winch Pool)
- Manager: **Rick Trask (WHOI)**
- Web Site: None (yet)
- Current Inventory:
 - 0.680 E&M cable
 - 0.322 E&M cable
 - 0.5” 3x19 wire rope
 - 0.25” 3x19 wire rope
- Future:
 - Wire disposal
 - New cables and synthetic rope? – based on science needs

East Coast Van Pool (UD)

- Established current equipment pool model (2003)
- Manager: **Tim Deering**
- Web Site: <http://marops.cms.udel.edu/uecvp/>
- Current Inventory:
 - (3) Cold Vans
 - (2) Isotope Vans
 - (3) GP Vans – “Wet” and “Dry”
 - (1) Trace Metal Clean Van
 - (1) GEOTRACES Van
 - 10-foot GP van
- Future:
 - Portable Seismic Compressors

West Coast Van Pool (OSU)

- Established: 2004
- Manager: Pete Zerr
- Web Site:
<http://www.shipops.oregonstate.edu/ops/vans/>
- Current Inventory:
 - (1) Cold Van
 - (1) Isotope Van
 - (1) GP Van
 - OPP Isotope and GP Vans
- Future:
 - Portable Seismic Compressors

East Coast Winch Pool (WHOI)

- Initiated with ARRA funding in 2009
- Heavily weighted with equipment ~ Still Ramping up
- Manager: **Dave Fisichella (Jamie Haley)**
- Web Site: *Under development*
- Current Inventory:
 - Long Core System
 - GEO-Traces System (winch and new frame)
 - Medium-duty 0.680 winch (from *SAVANNAH*)
 - Leitheiser cable spooler (to be replaced)
- Future:
 - Medium-duty portable winch (funded – specs under development)
 - Light-duty portable winch (funded – specs under development)
 - New cable spooler (funded – under construction)
 - Mooring recovery winches
 - Standardized winch turntable(s)

West Coast Winch Pool (SIO)

- Initiated in 2009 ~ Still Ramping up
- Manager: **Eric Buck**
- Web Site: *Under development*
- Current Inventory:
 - (2) cable spoolers
 - DYNACON 0.680 portable “JASON” traction winch
 - DYNACON CTD winch (from *KILO MOANA*)
 - (2) TSE Mooring Recovery Winches
- Future:
 - (2) TSE Mooring recovery winches – funded
 - ?? – Science and Operator Needs?

Other “Pools”

(Tech Support & OI - Except as noted)

- Tech Pool Pilot Project – UNOLS Office
- “Fields” Pool (Gravimeters) – Potential
- Multibeam Pool
- OBS Pool (MG&G)

Different operating models