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/](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 (Gravitometers) – Potential
- Multibeam Pool
- OBS Pool (MG&G)

Different operating models