

R/V SIKULIAQ



What is R/V SIKULIAQ?

- Alaska Region Research Vessel (ARRV)
- Ice-capable general oceanographic research ship
 - PC-5 Ice Classification
 - 261 feet length (261' 6")
 - 3800 LT at design draft
 - 5,750 HP
 - 20 crew, 2 marine techs, 24 scientists
 - Integrated power plant with AC propulsion motors
 - Tractor style Z-drives
- Owned by NSF, being built and operated by UAF
- UNOLS Global Class fleet – target 300 days per year



Project Execution

- Four phase project (2007 to 2014)
 - Phase 1 Design refresh (completed)
 - Phase 2 Shipyard contracting (completed)
 - Phase 3 Shipyard construction (current phase)
 - Phase 4 Post-delivery testing
- Total funding from NSF \$199,500,000:
 - MREFC funds; \$51,430,000
 - ARRA (stimulus) funds; \$148,070,000



Chancellor Rogers at the Podium



Keel Laying Ceremony on 11 April 2011



Co-sponsors; Vera Alexander and Bob Elsner



Bow and Ice Knife Modules



Anticipated Schedule

Contract Signing Ceremony	February 2010
Design Verification and Transfer	January to September 2010
Start Fabrication	January 2011
Keel Laying	11 April 2011
Z-drives Delivered to Shipyard	December 2011
Launch	June 2012
Builder's Trials	November 2012/April 2013
Acceptance Trials	May 2013
Delivery	June 2013
Post Delivery Dockside/Training	July/August 2013
Transit and Science Trials	August to November 2013
NSF Inspection	December 2013
Start funded science	January 2014
Ice Trials	April 2014
Dry-dock	May 2014



Planning for Science in 2014

- UAF will hold two science planning workshops
 - 10-11 May 2011 in Marinette, WI
 - February 2012 at the Oceans 2012 Meeting
- Target is polar research scientists and funding agency managers
- Awareness of SIKULIAQ capabilities, spark proposal development
- Science not restricted to any particular region



