NSF Arctic Research Support & Logistics Program Update

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Project Locations & Cruises

NSF Arctic Research Activities 2004-2014
National Science Foundation, Division of Polar Programs, Arctic Sciences Section
RSL-supported projects

Total number of CPS supported science projects
2001 - 2014
Projects by Region

CPS Supported Projects - 2001 - 2014

Alaska
Greenland
Canada
Russia
Arctic Ocean
Iceland
Fennoscandia

Updates from the RSL Program

- Budget
- Icebreaker plans for 2015
  - *Healy* – Geotraces
  - *Polar Star* – will deploy for McMurdo Break-in
  - *Sikulialaq* – no Polar work in 2015, many STRs under consideration
- Other ships for 2015
  - *Louis St. Laurent* – Proshutinsky in the Beaufort Gyre
  - Russian vessel e.g. *Akademik Fyodorov* – Polyakov Eurasian and Makerov basin observations for NABOS
  - *Oden* – Alan Mix at Petermann Glacier
- Swedish – U.S. joint use of Oden - proposal
- Environmental Compliance – documentation for NSf
- RSL workshop report 2013
- Arctic Field Safety Risk Management
- PIs may be asked to complete NSF’s checklist for reviewing and documenting compliance with environmental laws
- CH2M HILL Polar Services
  - Completes checklists for all projects
  - Provides information to agencies for consultation – Historical Preservation Offices, USFWS and NOAA
- Checklists become part of proposal record at NSF

Chapter II.C.2.j, Special Information and Supplementary Documentation...the proposer may be requested to submit supplemental post-proposal submission information to NSF in order that a reasonable and accurate assessment of environmental impacts by NSF may be made. NSF intends to pursue the pilot use of a new institution/Organization Environmental Impacts Checklist in a small number of programs, prior to implementation Foundation-wide.

Central Recommendations:

- Sustain and expand logistics resources
- Build human capacity
- Facilitate opportunities to improve the coordination of logistics resources

Arctic Field Safety Risk Management

- Workshop February 4-5, 2014
- Outcomes:
  - Increase mentoring of new researchers
  - Increase communication with University Risk Management Offices
  - Increase sharing near-misses to learn from mistakes
- Online near-miss reporting and annual report
- Workshop report in public review stage
  - [http://rslriskworkshop.com/](http://rslriskworkshop.com/)
Chapter VI: Other Post Award Requirements and Considerations

M. Miscellaneous

1. Liabilities and Losses

- NSF assumes no liability with respect to accidents, bodily injury, illness, breach of contract, any other damages or loss, or with respect to any claims arising out of any activities undertaken with the financial support of an NSF grant, whether with respect to persons or property of the grantee or third parties. The grantee is advised to insure or otherwise protect itself or others, as it may deem desirable.
Assistance with Risk Management

- Training
  - Arctic Field Training
    - April 26 and 27th – Northwestern University, Evanston IL
    - March 29 and 30th - University at Buffalo, Buffalo NY
    - April 17 and 18 - Dartmouth, Hanover NH
    - May 3-4 - Woods Hole, Falmouth MA
    - June 6 - Barrow AK
    - July 30-31 - Reno NV
  - AMSEA Small Boat Course
    - March 12 and 13 – Seattle WA
- Telemedicine
- Physical qualification for fieldwork
- Remote Communication – satellite phones
- Project Risk Assessments
- Online resources for planning for and mitigating risk
Thank You!