Ice Drilling Program Office

Mary Albert

www.Icedrill.org
Vision

• To enable scientific discoveries about changes in environment and climate, using evidence from glaciers and ice sheets, to inform environmental policy.

Mission

• To conduct integrated planning for the ice drilling science and technology communities and to provide drilling technology and operational support that will enable the community to advance the frontiers of science.
Ice Drilling Program Office
NSF Cooperative Agreement

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Ice Drilling Program Office
Potential UNL subaward
Ice Drilling Program Office
Science Advisory Board

Ed Brook, Chair
Sridhar Anandakrishnan
Ryan Bay
Ed Brook
Dorthe Dahl-Jensen
Karl Kreutz
Jill Mikucki
Ross Powell
Jim White

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Science planning drives drill tech planning, development, and use.

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LRSP useful for NRC study

Climate Change
Ice Dynamics and Glacial History
Subglacial Geology, Sediments & Ecosystems
Ice as a Scientific Observatory

Development of a Strategic Vision and Implementation Plan for the U.S. Antarctic Program at the National Science Foundation

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Community involvement in planning

IDPO Town Hall:
Scientific Drilling in the Polar Regions

Participation:
IPICS, IDPO, NICL, RAID, WISSARD, NSF

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Community involvement in planning

IDPO Community Workshop on Subglacial Access
- coming soon -

Targeted Outcome: Community identification of next decade of subglacial access projects for IDPO Long Range Science Plan.
Special volume of Annals of Glaciology is published.
Science Requirements for New Drills

Science requirements completed:
- Agile Sub-Ice Geologic Drill

Science requirements in prep for:
- Agile lake ice drill
- DISC – Herc Dome / EAIS

Science requirements upcoming:
- Backpack/Portable 2” drill
- ~900 m coring drill

http://www.icedrill.org/equipment/development.shtml
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Requesting Ice Drilling Support for NSF Arctic Research (NSF 14-584) Proposals

** September 9 Deadline **

Sep 9 Deadline: Requesting Ice Drilling Support - NSF Arctic Proposals

More...

.Requesting Field Support
If you are preparing a proposal that includes any kind of support from the IDPO-IDD, you must contact IDPO (idpoidd@dartmouth.edu) at least six weeks before you submit your proposal to obtain a Letter of Support and a Scope of Work/Cost Estimate, both of which must be included in your proposal.

MORE INFORMATION

For Scientists
Information and resources for the ice drilling science and technology communities:

- Field Support for NSF Proposals
- Field Support for non-NSF Proposals
- Field Project Support Requirements Form
- End-of-Season Project Support Eval Form
- Long Range Science Plan

www.Icedrill.org
Education & Outreach

climate-expeditions.org
Key dates for the Long Range Science Plan

• Updated draft#1 LRSP on the Icedrill site by 30 April.
• IDPO invites community comment/input on 1 May (community input deadline 16 May).
• Mary sends draft#2 to SAB for comment & approval by 20 May.
• SAB gives Mary ok on content by 27 May.
• Mary sends final, formatted LRSP to NSF by June 30.