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GEOSCIENCE IN THE ARCTIC:

Permafrost, Energy, and Trade Routes in the Last Frontier

Geoscience information is integral to strengthening the economy of the last frontier. This briefing will highlight the importance of the geosciences for sustaining infrastructure, supplying energy to the nation, and expanding commerce in the Arctic.

At this widely attended briefing, learn more about the critical applications of geoscience information as communities brace for dynamic subsurface freezing and thawing, maritime trade routes expand, and new energy resources are discovered. In this dynamic landscape, geoscience is critical to inform economic decision making.

Experts of the Arctic will address the following questions:

1. What are the unique challenges associated with building and maintaining public infrastructure on permafrost? How can we employ geosciences to mitigate those challenges?
2. How do we ensure maritime safety as more ships navigate the Arctic seas? What role does mapping of ocean conditions play in ensuring commerce and identifying trade routes?
3. What energy resources lie deep in the Arctic? How can Arctic energy sources bolster national energy independence?

WHEN
November 29, 2017
3:30 pm

WHERE
House Building Cannon 122

WHO
Moderated by:
Tom Crafford
Program Coordinator
Mineral Resources Program, USGS

Speakers:
William Schnabel
Director
Institute of Northern Engineering
University of Alaska Fairbanks
Ashley Chappell
Program Coordinator
Integrated Ocean and Coastal Mapping
NOAA Office of Coast Survey
James Slutz
Senior Study Coordinator
National Petroleum Council

Please RSVP to Anna Normand (anormand@agweb.org) by 5:00 PM on November 28, 2017.

Date & Location

Wednesday, November 29, 2017 at 3:30 pm to 4:30 pm

Cannon 122

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Moderator and Speakers

This briefing will be moderated by Tom Crafford, Program Coordinator, Mineral Resources Program, USGS.

Our speakers include:

- William Schnabel, Director, Institute of Northern Engineering, University of Alaska Fairbanks |  **Slides**
- Ashley Chappell, Program Coordinator, Integrated Ocean and Coastal Mapping, NOAA Office of Coast Survey |  **Slides**
- James Slutz, Senior Study Coordinator, National Petroleum Council

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