

# **ANDRILL's Education and Outreach Efforts**

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The ANDRILL Program is combining a mix of talents from across the world to bring world-class science into focus and providing in-depth immersive experiences to educators from each of the participating member nations in ANDRILL through the ARISE Program and Project Iceberg.

## **ARISE**

The ARISE (ANDRILL Research Immersion for Science Educators) Program provides an immersion experience for the educators participating in ANDRILL (ANtartic geological DRILLing), a multinational collaboration involving 150 scientists from Germany, Italy, New Zealand and the United States. The program is administered and coordinated through the ANDRILL Science Management Office, located at the University of Nebraska-Lincoln (For more information see: <http://andrill.org>).

The educators participating in the McMurdo Ice Shelf (MIS) Project, who were chosen by independent selection committees in their respective countries, include: LuAnn Dahlman, Mesa, Ariz.; Vanessa Miller, New York, N.Y.; Betty Trummel, Crystal Lake, Ill. (United States); Matteo Cattadori, Trento (Italy); Alexander Siegmund, Heidelberg (Germany); and, Julian Thomson, Belmont, Lower Hutt (New Zealand). Six educators will participate in the Southern McMurdo Sound (SMS) Project and two additional educators will participate in the Mackay Sea Valley (MSV) seismic survey in 2007-2008

## **PROJECT ICEBERG**

During the McMurdo Ice Shelf (MIS) Project (October 2006 - January 2007), 14 video journals were produced, documenting activities that were undertaken as the scientists worked their way through over 1,284 meters of rock core that was recovered from beneath the McMurdo Ice Shelf. An accompanying guide provided correlating background information, discussion starters, and engaging activities for students, with a targeted age range of 10-15 years old. Subtitles are available on each of the video journals in German and Italian, as well as in English. These products were titled, "ANDRILL: A REAL WORLD GEOSCIENCE ADVENTURE". The objective was to introduce teachers, students, and the general public to Antarctica and the ANDRILL Program, and to provide preliminary insights into the following questions: What secrets does this rock have in store? How do scientists from around the world come together in the coldest, windiest, driest place on Earth to uncover these secrets that have been shrouded beneath the ice for millions of years? In addition, educator blogs, collections of Antarctic images, and supporting classroom activities were provided online.