AGAVE 2007 Expedition

First biological and geological characterization of hydrothermal processes on the ultra-slow spreading Gakkel Ridge in the hydrographically isolated Arctic Basin

- The slowest-spreading mid-ocean ridge on Earth (0.6 to 1.3 cm/year full rate).

- Geographically and oceanographically isolated from other mid-ocean ridges for at least the last 28 my; fauna evolving in isolation.
Expedition Objectives

Science: To study the geological, chemical, and biological characteristics of hydrothermal venting on the Gakkel Ridge.

Engineering: To develop new technologies to enable deep-sea research in ice covered oceans.
The Arctic Gakkel Vents Expedition