

## Research cruise 2009 – August 2 - Pictures



Measuring the temperature of the mud ...

At the seafloor at this depth, the temperature is generally slightly negative ( $\sim -0.7$ ). But at the mud volcano, the temperature is higher. Temperatures as high as  $25^{\circ}\text{C}$  have been measured in the centre of the volcano.

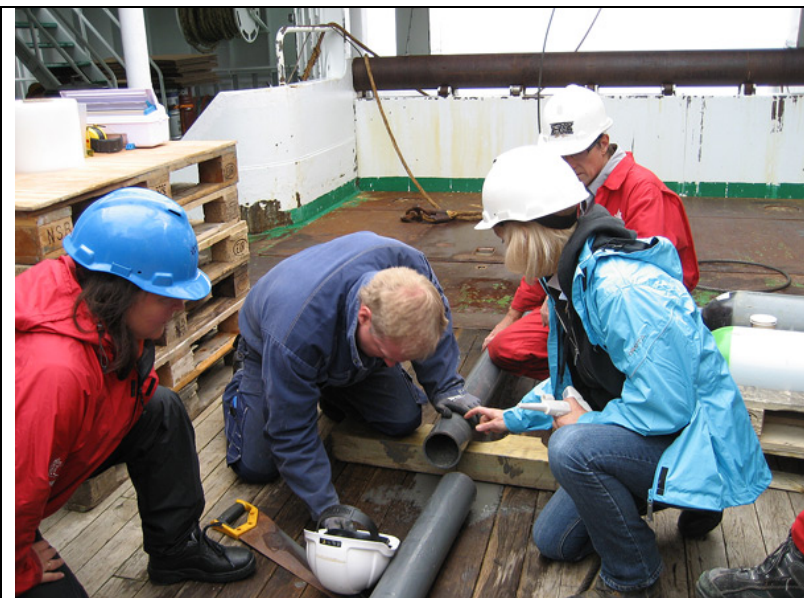
Our sample measured  $11^{\circ}\text{C}$  even after sitting for some time.



Ida tells the Discovery team about what these cores can tell us.



The ROV is launched for the first time on this cruise. Everything works well!!



The long core was only half filled. Perhaps it went into the seafloor on an angle. Perhaps the mud was just too slippery ...

Here researchers are trying to decide where to cut the core.



Gretchen and Ingunn study the structure of the mud. It was very wet and porous.