

## Sweden

The Swedish GEOTRACE activities during 2009 include participation in planning activities for a GEOTRACE project in the Arctic and also in COST action ES0801 and the GEOTRACES intercalibration effort.

### **Planning work related to GEOTRACES**

The GEOTRACES Arctic Cruise Planning Meeting 8-10 June 2009 in Delmenhorst, Germany was attended by four Swedish scientists. Building upon the outcome of the Delmenhorst meeting a proposal has been submitted to the Swedish research council with the aim to use the icebreaker *Oden* as a research vessel for a GEOTRACES cruise in the Arctic Ocean. The proposal includes international collaboration and the time frame for the proposed cruise is within the coming 3 to 10 year period.

Within the COST action *the ocean chemistry of bioactive trace elements and paleoclimate proxies* (ES0801) students have participated in the following activities:

- The Paris modelling workshop, December 2009
- The test and training cruise organised by Dutch researcher on R/V Pelagia from Texel to Iceland (unfortunately the trip was cancelled due to the volcanic ash over European air space)

### **GEOTRACES intercalibration work**

Swedish laboratories participated in the intercalibration effort of Nd isotopes, U-Th isotopes, Si isotopes and some trace elements.

### **The International Siberian Shelf Study 2008 (ISSS-08)**

During 2009 extensive work has been conducted on the samples collected during the ISSS-08. Results have been presented at the Goldschmidt conference in Davos in June 2009 and at the EGU meeting in Vienna (May 2010) with a special session devoted to ISSS-08 results. Publications are prepared and in press.

### **GEOTRACES promotion activities within Sweden**

- An e-mail list is kept and maintained by Per Andersson for distribution of information about the GEOTRACES project among marine scientists in Sweden

-Presentations of the GEOTRACES project at the Swedish Society for Marine Sciences meeting in November 2009 and at the Swedish SCOR group meeting in March 2010.

Per Andersson/

Stockholm 10 June, 2010