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