

Germany

The GEOTRACES activities in Germany over the past year were marked by continuing work on samples attained on previous cruises and publication of results from IPY expeditions, GEOTRACES section cruises, and the international intercalibration effort. Scientists from GEOMAR participated in the Baltic Sea GEOTRACES cruise (Roland Stumpf, Tianyu Chen).

Tobias Roeske successfully defended his PhD thesis on 'Dissolved Barium and particulate Rare Earth Elements as tracers for shelf-basin interaction in the Arctic Ocean' (University of Bremen, November 2011).

Progress was made with the acquisition of a German clean sampling system at GEOMAR (Martin Frank and Eike Breitbarth). A complete clean rosette with CTD and 27 OTE-GOFLO-bottles has been purchased and was delivered in June 2012. The acquisition of a clean van is in its final stages and currently the purchase of a mobile winch is in preparation.

Meetings

- GEOTRACES Arctic cruise planning meeting, Alfred-Wegener Institute, Bremerhaven, April 18-20, 2012 (organized by Michiel Rutgers van der Loeff, funded by COST-Action ES0801).

New Funding

- R/V Sonne Transit cruise South Korea-Fiji, Sept.-Oct. 2012, for the collection of seawater and sediment samples for Nd isotope and REE analyses (Katharina Pahnke, funded by the BMBF, German ministry for education and research).

New Results

- Seawater $^{143}\text{Nd}/^{144}\text{Nd}$ profiles from the South Pacific, samples collected during R/V Polarstern expedition ANTXXVI-2 (no GEOTRACES cruise) (Katharina Pahnke, Chandranath Basak, MPI and University of Oldenburg, presented at Goldschmidt 2012).
- Seawater dissolved $^{231}\text{Pa}/^{230}\text{Th}/^{232}\text{Th}$ profiles from the NW Atlantic (Pelagia Cruises GA02 leg 1 and 2) (Sven Kretschmer, AWI, presented at Goldschmidt 2012).

Publications

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