France

Meetings

- GEOTRACES-France organized the GEOTRACES SSC meeting (C. Jeandel and E. Masferrer, Toulouse, 22-24 September 2010).
- Participation to the GEOTRACES Asia Planning Workshop, 4-6 oct 2010 (F. Lacan invited as representative).
- KEOPS II kick off meeting (Banyuls, 17-18 march 2011).
- Participation to the Scientific Committee and large participation to the “Traces and Tracers” oceanographic meeting (Liège, 2-6 may 2011).
- Participation to the French National meeting in the framework of the Joint Programming Initiative “Healthy and Productive Seas and Oceans” (G. Sarthou, Roscoff 30-31 may 2011).
- Meeting for the GA01 cruise proposal preparation (G. Sarthou/C. Jeandel, Brest, 5 July 2011).

Cruises

- Dates of KEOPSII: 6 October-28 November.

New funding

- KEOPS II (G. process study) fully funded, both for the cruise and for the science.
- Funds for the acquisition of the French clean sampling system are (finally) completed this year.

New results

The most recent results of the GEOMAR group in Toulouse on Nd and Fe isotopes and in Brest along the BGH section are confirming that dissolved elements are released by the dissolution of a fraction of the sediments that are deposited on the oceanic margins. Due to the large amount of these sediments, the resulting net flux to the ocean is very large, as discussed in a recent publication to EOS (Jeandel et al, in press).

Other activities

Participation to the Scientific Committee (with O. Marchal) for the organization of the 3rd GEOTRACES Data-Model Synergy Workshop (Barcelona).

Publications

Bourquin et al., Determination of 226Ra concentrations in seawater and suspended particles (NW Pacific) using MC-ICP-MS
Heimbürger L.H., H. Lavigne, C. Migon, L. Coppola, F. D'Ortenzio and J-C. Miquel Physical
control on the interannual variability of the mass flux at the DYFAMED time-series station (Ligurian Sea). Submitted to Deep Sea Research II 2011
High precision determination of the isotopic composition of dissolved iron in iron depleted seawater by double spike MC-ICPMS., Anal. Chem. 2010, 82, 7103–7111

Submitted by Catherine Jeandel.