Belgium

Meetings
- KEOPS 2 pre-cruise workshop, Banyuls, March 2011
- EGU 2012 annual meeting: Session on sensitivity of marine ecosystems, biogeochemical cycles and carbon uptake to global change; talk by Planchon, Cavagna, Cardinal, André & Dehairs: “Late summer carbon export and remineralisation in the Southern Ocean determined from 234Th and particulate biogenic Ba tracers”
- Organisation of the COST-GEOTRACES training school: Are your GEOTRACES data reliable? Institute for Reference Materials and Measurements, Geel, Belgium; 30th May - 1st June 2012 (organisers Damien Cardinal, LOCEAN, Paris VI, Marc Elskens, Vrije Universiteit Brussel, Brussels)

Cruises
- GEOTRACES GP13 (R/V Southern Surveyor), Pacific Ocean, May-June 2011: dissolved Ba
- DIAPICNA (R/V Dom Carlos I), Azores Current, July-August 2011: Primary Production, N2 fixation, δ15N, δ18O nitrate.
- KEOPS 2 (R/V Marion Dufresne), Southern Ocean, Kerguelen area, Oct.-Nov. 2011. Primary Production; New production; 234Th-based export and subsurface remineralisation fluxes (excess 234Th, particulate biogenic Ba); δ15N, δ18O nitrate; dissolved Ba.
- WOCE section I 9 (R/V Aurora Australis), Southern Ocean, Nov.-Dec. 2011: dissolved Ba

New funding
- Belgian Science Policy, Science for Sustainable Development programme; “BioGeochemical cycles in the SOUTHer ocean: Role within the Earth System” (BIGSOUTH); 2011 – 2014.
- FP7-EUROFLEETS: “DIAzotrophic Plco-Cyanobacteria in the North Atlantic open ocean: their abundance and importance as a source of new nitrogen at the Azores Front/Current” (DIAPICNA); 2011-2014.

New results
- Dissolved Ba data for the GP13 section in the South-West Pacific; completes the existing data diss. Ba base for the Southern Ocean
- POC export and mesopelagic remineralisation along Greenwich Meridian (Cape Basin – northern Weddell Gyre).
- Estimates of the contribution of N2 fixation to primary production in Azores Current region
- Primary production, New production, POC export and mesopelagic remineralisation in the (naturally) iron-fertilised Kerguelen area
- Nitrate isotopic composition in oligotrophic Azores Current region and Kerguelen area
Relevant publications


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