



GEOTRACES

An International Study of the Marine Biogeochemical
Cycles of Trace Elements and their Isotopes

FRENCH G-RELATED ACTIVITIES

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On going projects

- **Bonus-GoodHope (IPY) section: post cruise activities**
 - current post-cruise activities (measurements, modelling...) national funds from CNRS/INSU supporting this activity: 25000 euros/y from 2008 to 2011
- **Amandes process study**
 - process study on the Amazon shelf labeled in 2009): current post-cruise activities (measurements, modelling...) National funds from INSU/CNRS are supporting these lab works: 14000 euros for 2009 and 2010
- **COMETS process study**
 - Time series in the Mediterranean Sea, off Nice: identify the causes and mechanisms responsible for the flux variability at seasonal to inter-annual time scales over the last two decades in the NW mediterranean Sea:
 - chemical composition of sinking material collected at 200 and 1000m depth every 2 weeks using bulk parameters (POC, PON, POP, $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$), organic biomarkers and some TEIs (^{230}Th , REE, Nd isotopes...).
 - National funds from INSU/CNRS: 10000 euros/y from 2008 to 2011

Workshops

- **Data model synergy, Paris, dec 2009 (J-C Dutay)**
- **Med Sea workshop, Nice, oct 2010 (A Hannides/L. Coppola)**
- **Participation to the Asian Workshop, oct 2010 (F. Lacan)**

Geotrace's life

- **IPO: settled in Toulouse on January 15th.**
 - French annual contribution: 18500 euros
- **Organisation of the SCOR and SSC meetings in Toulouse.**
 - CNRS contribution: 5000 euros
 - Midi-Pyrénées Region: 3600 euros + 2800 euros

Problems

- **PANDORA (G-section in the Pacific ocean)**

- till not scheduled at this date (answer on sept. the 27th?). The science is funded. Two sources of national funds

CNRS/INSU: 220000 euros and ANR: 550000 euros (both covering 2009-2013).

- CNRS/INSU is also providing material from our national center of material (Brest, C. Marec)

- **Clean sampling system**

Winch acquisition... along story (142 Keuros available)

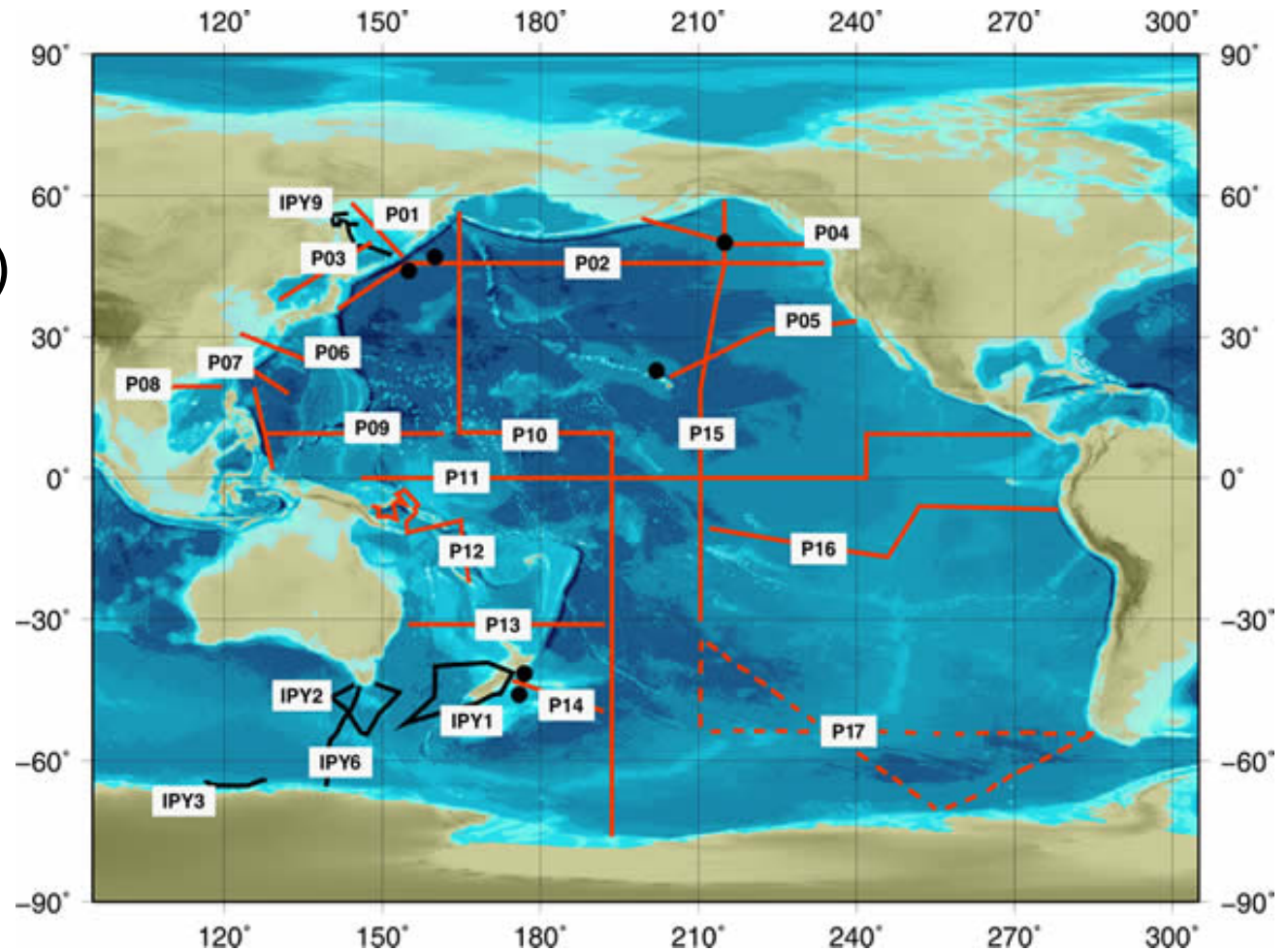
6. Global Ocean Coverage

Firm Plans

- P03 Japan (2010)
- P03 Japan (2012)
- P12 France (2012)

Future plans

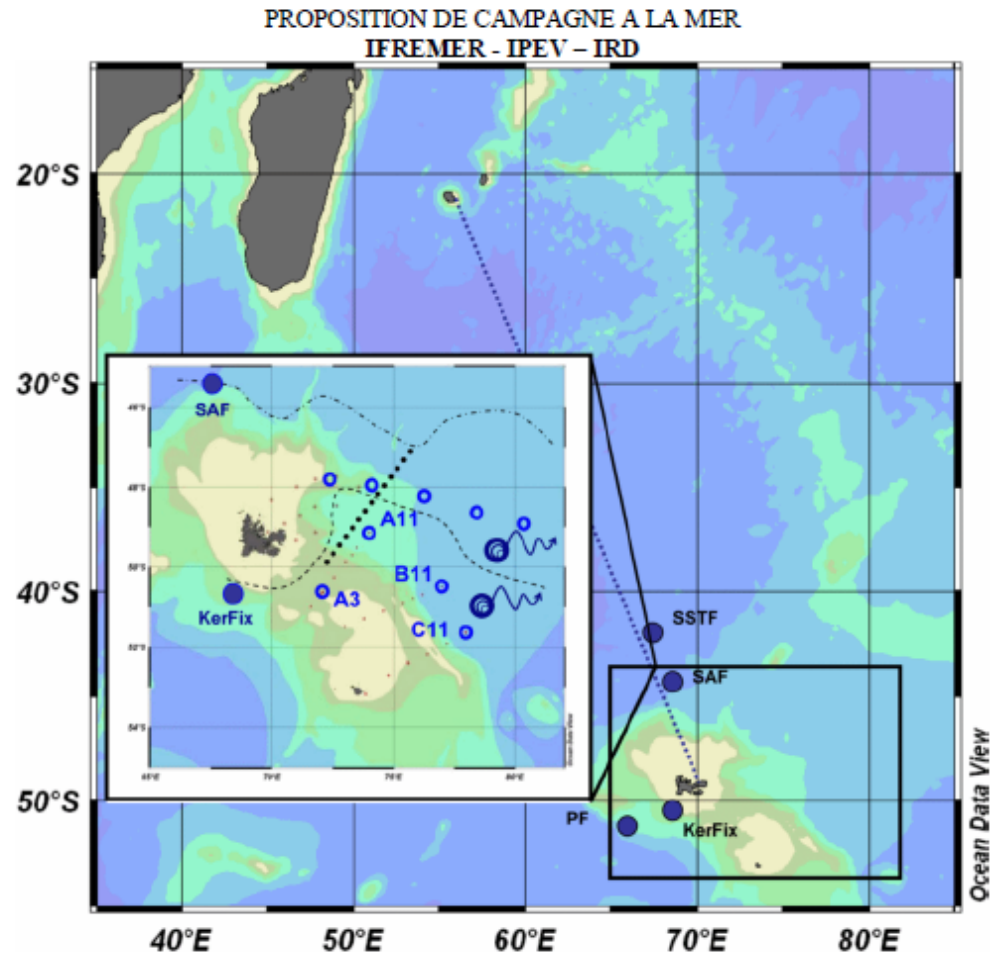
- P04: Canada
- P08: Taiwan
- P09: China
- P10: Japan
- P11: China
- P13: Aus/NZ
- P16: USA



Projects

- Solving the problems
- KEOPS II cruise (end of 2011)
- Planning the North Atlantic OVIDE/
GEOTRACES section (G. Sarthou, Brest)

KEOPS II (Marion Dufresne, end of 2011)



6. Global Ocean Coverage

Firm plans

A02: Netherlands (2010/11)

A03: USA (2010)

A06: UK (2011)

A10: UK (2010)

A11: Germany (now)

Future plans

A09: Spain/Brazil

A04: France/Spain/COST

