

Brazilian and Other LA Activities of Interest for GEOTRACES



Brazil: New initiatives – Ocean Related

- ▶ National Institutes:
- ▶ The Brazilian government announced at the end of July:
 - Foundation of the National Institute of Oceanography and Waterways:
 - South Atlantic Oceanographic Center (South of Brazil)
 - Tropical Atlantic Oceanographic Center (Northeast Brazil)
 - Harbors and Waterways Center (Rio or São Paulo) and
 - Marine Fisheries and Aquaculture Center
 - Purchase of a new oceanographic ship.

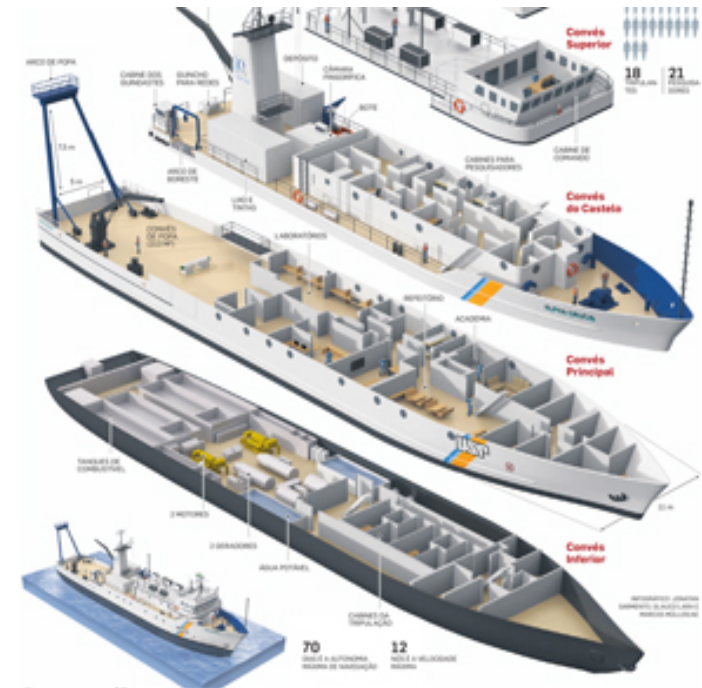
The establishment of these centers will take time but the ship may become available still within the life time of GEOTRACES.



Ships Renewed



Antares

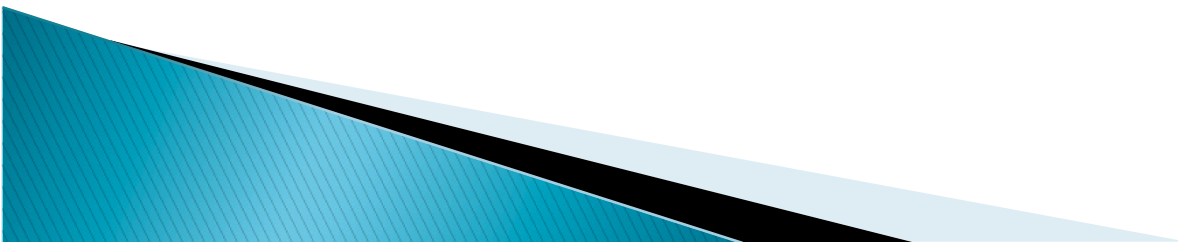


Alpha Crucis

Cruzeiro do Sul

Brazil – Capacity Building

- ▶ Gláucia Benedetti from USP participated of IODP and sampled interstitial water for determination of Re, Mo and U. Would like to participate in GEOTRACES cruise.
- ▶ Vanessa Hatje from UFBa works actually in Bruland's lab on rare earth elements determination in seawater.



Brazil: Activities in GEOTRACES or Resulting from

- ▶ Godoy received water samples from:

Section cruise (GA04N)	Micha Rijkenberg	Micha Rijkenberg - Hein de Baar	64PE370	2013-05-16 — 2013-08-11	Mediterranean and Black Sea
Section cruise (GA04S)	Patrizia Ziveri / Jordi Garcia-Orellana	Jordi Garcia- Orellana	MedSeA	2013-05-02 — 2013-06-01	Mediterranean Sea

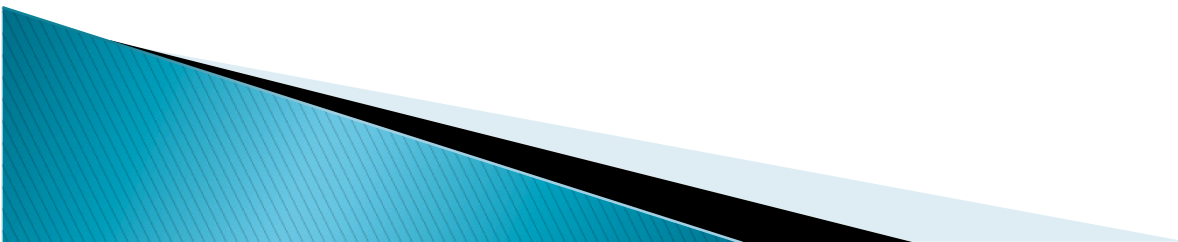
To determine D, $\delta^{18}\text{O}$, U, Ba and Mo

- ▶ Wagener and Boyle had approved a 2 years grant from CNPq–MIT for the project “Tracking the historical development of combustion practices (from colonial to modern times) using molecular and isotopic markers in shelf sediments of SE Brazil”



Argentina

- ▶ Gaiero, D. M., L. Simonella, S. Gassó, S. Gili, A. F. Stein, P. Sosa, R. Becchio, J. Arce, and H. Marelli, (2013), Ground/satellite observations and atmospheric modeling of dust storms originating in the high Puna–Altiplano deserts (South America): Implications for the interpretation of paleo-climatic archives, *J. Geophys. Res. Atmos.*, 118, 3817–3831, doi: 10.1002/jgrd.50036.
- ▶ Gaiero also will receive grant to carry out dust studies in Central and South Argentina (satellite, modeling and ground sampling)



Mexico

- ▶ Evgueni Shumilin There is no direct funding for GEOTRACES activities in Mexico. GEOTRACES related projects obtain financial support from CONACyT: “High resolution geochemical reconstructions of recent climate and oxygenation history in La Paz Bay, Gulf of California”.
- ▶ Mostly works on metals in coastal sediments.

