

Goals of the GEOTRACES Pacific Planning Workshop
Honolulu, Hawaii, June 26-29, 2007

Purpose:

- To develop a series of cruise tracks in the Pacific Ocean and its marginal basins that will address the scientific goals of the GEOTRACES Science Plan.
- To identify nations and individuals who are willing to seek facilities and funding that will enable the cruises
- To identify any gaps in the availability of expertise or equipment required to conduct these cruises.
- To foster international collaboration between participating nations and to share expertise.
- To provide a logical underpinning of each of the proposed sections to facilitate funding.

This will be accomplished by a mixture of plenary sessions and break-out groups.

Plenary sessions will be used to address the general goals of the workshop and to allow individuals and national representatives to provide information about planned research activity.

Topics to be addressed in the plenary sessions are:

- Basic requirements for GEOTRACES cruises
- Existing and/or planned national cruises to be considered as GEOTRACES cruises
- Cruises proposed to meet GEOTRACES and national goals

It is important that participants familiarise themselves with the goals of GEOTRACES prior to the meeting, as outlined in the Science Plan available at: <http://www.ldeo.columbia.edu/res/pi/geotraces/sciencePlan/documents/GEOTRACESFinalWebVersion.pdf>; each meeting participant who wishes to have one will be sent a hard copy of the plan before the meeting. Copies can be requested by e-mail to <geotraces@ldeo.columbia.edu>.

Charge to section working groups

1. Justify individual sections based on GEOTRACES priorities and other national interests
2. Produce a quasi-executable cruise track (including rough stations positions) that is possible to implement in a 1-2 leg, 30- to 40-day cruise(s)
3. Identify any problem areas in parameter coverage, ship space, or other factors
4. Identify potential international collaborations including opportunities for training and/or technology transfer.
5. Identify cruise tracks that cross into Exclusive Economic Zones (EEZ)
6. Identify potential advocates who would seek funding to execute the sections

Draft List of Potential Processes or Features to be Intersected by Sections

Oxygen minimum zone
Boundary scavenging
Basin exchange e.g. East China Sea, Indonesian throughflow etc.
Equatorial upwelling
Equatorial undercurrent
Sea ice
Intermediate water masses
Hydrothermal inputs and far field scavenging processes
Time-series stations
Dust deposition gradients

Thank you all for agreeing to participate in this workshop. We look forward to a highly productive meeting that will outline a coherent program of geochemical research in the Pacific Ocean, provide a stimulus to national geochemical programs and foster international collaboration amongst the international community.