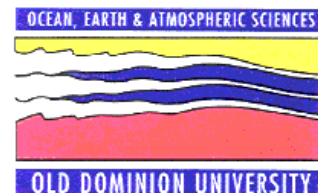
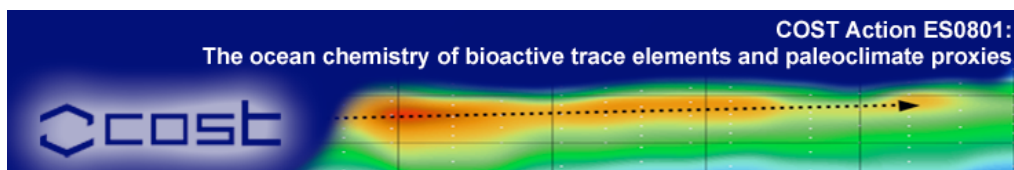




National Science Foundation
WHERE DISCOVERIES BEGIN



Agenda for Final GEOTRACES Intercalibration Workshop
8-10 March 2010, Old Dominion University, Norfolk, Virginia USA
(Please note that this is largely an outline and this is supposed to be a very interactive workshop, therefore expect things/timing to change. It will be 3 very full days and I suspect an evening as well.)

Monday, 8 March

- 0830 **Introductions** – Everyone and their TEIs.
Overview of workshop agenda and objectives (Greg Cutter):
1. Thoroughly evaluate the results from Intercalibration Cruises 1 and 2 for the US GEOTRACES Sampling System, then for each TEI suite for the large volume intercalibration depths in the Atlantic and Pacific, and BATS (Atlantic) and SAFe (Pacific) profiles (to date), to assess whether the observed precision and accuracy are acceptable (depends on what each TEI group has established as their criteria).
2. Prepare International GEOTRACES Users' Manuals
- 0845 **US GEOTRACES Carousel – Hydrographic fidelity.** Greg Cutter
- 0900 **US GEOTRACES Carousel – Contamination-prone trace elements in the Atlantic Ocean,** intercalibration samples and profiles. Ken Bruland
- 1000 **Coffee Break**
- 1015 **US GEOTRACES Carousel – Contamination-prone trace elements in the Pacific Ocean,** intercalibration samples and profiles. Angie Milne and Ken Bruland
- 1100 **Mercury,** intercalibration samples and profiles. Carl Lamborg
- 1130 **Metal stable isotopes,** intercalibration samples and profiles. Ed Boyle
- 1200 **Metal Speciation,** intercalibration samples and Pacific profiles. Jim Moffett

- 1230 **Lunch**; tour Orchid Conservatory for up to 15 people at 1300
- 1330 **Group discussion**: contamination prone elements overall...how did we do and what needs to be done/fixed? Maeve Lohan
- 1430 **N and O isotopes in nitrate**, intercalibration samples and profiles. Karen Casciotti
- 1500 **O isotopes in phosphate**, intercalibration samples and profiles. Greg Cutter and Karen Caciotti for Albert Colman
- 1515 **Coffee/snack break**
- 1530 **Group discussion**: Summary of nutrient isotopes. Karen Casciotti
- 1600 **Nd and Hf isotopes**, intercalibration samples and profiles. Katarina Pahnke
- 1630 **Group Discussion**: Summary of radiogenic results. Per Andersson
- 1700 **Aerosol Metals**. Update on intercalibration. Bill Landing and Pete Morton
- 1730 **Group Discussion**: What appear to be the big issues so far and do we/how do we address them? This will set up discussions for tomorrow and Wednesday.

Tuesday, 9 March

- 0900 **Dissolved** $^{230,232}\text{Th}$, ^{231}Pa , ^{10}Be , intercalibration samples and profiles. Bob Anderson
- 0945 **Radium**, intercalibration samples and profiles. Billy Moore and Matt Charette
- 1015 **Coffee Break**
- 1030 **Plutonium and cesium**, intercalibration samples and profiles. Tim Kenna
- 1100 ^{210}Pb , ^{210}Po , intercalibration samples. Mark Baskaran
- 1130 **Group Discussion**: Dissolved radioactive elements overall...how did we do and what needs to be done/fixed? Gideon Henderson
- 1200 **Lunch**; tour Orchid Conservatory for up to 15 people at 1230

1300 **Sampling Systems and Particulate Results** (using profiles for selected constituents and TEIs; filter materials, etc. NOTE: these overlap with the specific discussions below, so we may end up putting them all into these discussions):

MULVFS. Jim Bishop and Phoebe Lam
McLane pumps. Matt Charette
GO-Flos on GEOTRACES Carousel. Rob Sherrell

1530 **Coffee/snack break**

1600 **Particulate ²³⁴Th**, intercalibration samples and profiles. Matt Charette

1645 **Particulate contamination-prone TEIs**, intercalibration samples and profiles.
Rob Sherrell

1745 **Group discussions:** particulate sampling methods and TEI results. Ben Twining and Bill Landing
This will continue as long as it takes until we get too hungry!

Wednesday, 10 March

0900 **Group Discussions:** Preparing GEOTRACES Users' Manuals – what do we need to do after draft IPY versions and writing assignments. Breakout groups convene (either divided by major TEI groups such as used above, or Dissolved and Particulate, or ?). Greg Cutter

1030 **Coffee Break**

1215 **Lunch**

1530 **GEOTRACES Standards and Intercalibration Committee Report** – Is the Intercalibration successful to date? Greg Cutter and members who are present: Per Andersson, Lou Codispoti, Peter Croot, Walter Geibert (for Michiel van der Loeff), Maeve Lohan, and Hajime Obata

1700 **Summary of Status on Preparation of Users' Manual** – outstanding writing assignments and due dates, other issues. Greg Cutter

1800 **Workshop ends.**