



Second announcement

Biogeochemical cycling of trace elements within the ocean: A synthesis workshop

1 – 4 August 2016, Lamont-Doherty Earth Observatory, Palisades, NY
(the first announcement, with additional information, follows)

Sponsors: GEOTRACES and the Ocean Carbon and Biogeochemistry Program (OCB)

The workshop will launch a synthesis initiative on the biogeochemical cycling of trace elements and their isotopes within the ocean. We aim to bring together expertise from [GEOTRACES](#), [OCB](#), and the broader oceanographic community of observationalists and modelers to explore the biological–chemical–physical underpinnings of trace element cycling, including (but not limited to) bioavailability, uptake, scavenging, and regeneration. The workshop will identify a small number of high-priority synthesis objectives that can be achieved over the next decade, exploiting the rapidly expanding set of data from GEOTRACES and related studies. The workshop will also outline strategies to reach those goals, which may include new modeling and observational initiatives.

Plenary talks at the beginning of the workshop (see accompanying list) will stimulate discussion in the working groups that follow by presenting relevant background information together with novel hypotheses emerging from new data sets.

Registration will be required. A web site for registration will be announced soon.

Travel support is available for about 60 participants in the form of subsidies for airfare and ground transportation (capped depending on travel origination - see below*). Hotel rooms and meals will be provided by the organizers. Those who can cover their own travel expenses are encouraged to do so.

Information about travel arrangements (airports, ground transportation) will be posted on the web site together with the registration page.

To apply for a travel subsidy, include with your registration a brief (maximum 250 words) description of your relevant expertise and anticipated contribution to the workshop. This document can be uploaded on the registration web site.

Deadline to register and request a travel subsidy: **1 June 2016**

The planning committee will select participants to receive travel support based on a review of the application material received by the deadline. The anticipated contribution to the workshop goals will be used as the basis for selection among the applicants.

Deadline to register without travel subsidy: **1 July 2016**

The total number of participants is limited to 80. If necessary, the planning committee will select participants without travel subsidy based on their review of the applications received by the deadline.

*Tentative subsidy cap (U.S. Dollars) for airfare, ground transportation, and incidental expenses:

Eastern North America - \$500
Western North America - \$750
Alaska and Hawaii - \$1000
Overseas - \$2000



November 6, 2015

Dear Colleagues,

We are writing to inform you of an **upcoming joint GEOTRACES/OCB workshop to stimulate data analysis and synthesis focused on internal cycling of trace elements in the ocean**. The workshop will take place **August 1-4, 2016 at the Lamont-Doherty Earth Observatory in Palisades, NY**.

[GEOTRACES](#) is producing a wealth of new data for trace elements and their isotopes (TEIs) in the ocean, including a suite of essential micronutrients and chemical tracers of carbon flux. GEOTRACES seeks to engage a wider spectrum of expertise for the synthesis and further application of these data in order to maximize benefits to the broader oceanographic community. There is heightened interest and momentum in the [Ocean Carbon and Biogeochemistry \(OCB\)](#) community to integrate these types of data into studies of the biological pump and feedbacks between marine organisms and biogeochemistry, particularly in the face of newly emerging research initiatives such as [EXport Processes in the Ocean from RemoTe Sensing \(EXPORTS\)](#), [North Atlantic-Arctic](#), and Global scale Microbial Interactions across Chemical Surveys (GeoMICS).

Trace element micronutrients play a vital role in regulating the growth of marine organisms, which, in turn, are key players in modulating the biogeochemical cycling of trace elements. This workshop will bring together expertise from GEOTRACES, OCB, and the broader oceanographic community of observationalists and modelers to explore the biological-chemical-physical underpinnings of trace element cycling in the ocean, including (but not limited to) bioavailability, uptake, scavenging, and regeneration. A workshop organizing committee is currently refining workshop goals and identifying key focus areas. More information and a workshop website will be available in early 2016.

Best wishes,

Bob Anderson and Heather Benway on behalf of the workshop organizing committee (see below)

Workshop organizing committee:

Robert Anderson (Lamont-Doherty Earth Observatory)
Kathy Barbeau (Scripps Inst. Oceanography)
Heather Benway (OCB Project Office)
Mark Brzezinski (Univ. California, Santa Barbara)
Kristen Buck (Univ. South Florida)
P. Dreux Chappell (Old Dominion Univ.)
Gregory Cutter (Old Dominion Univ.)

Elena Masferrer Dodas (GEOTRACES IPO)
John Dunne (NOAA/GFDL)
Bethany Jenkins (Univ. Rhode Island)
Maite Maldonado (Univ. British Columbia)
Keith Moore (Univ. California, Irvine)
Alan Shiller (Univ. Southern Mississippi)
Alessandro Tagliabue (Univ. Liverpool)
Benjamin Twining (Bigelow Laboratory)