



Ad-hoc GEOTRACES Data Management Meeting: Biological Parameters

WHOI, Woods Hole, MA, USA

November 22-23, 2015

HOTEL: Inn on the Square

MEETING: Quissett Campus at WHOI (see room numbers for each day)

<u>22 November (Sunday) Clark 271</u>	
08:15	Meet at the Lobby of the Hotel to car pull using TAXIs
08:30	Continental Breakfast (Room Clark 507)
09:00	Welcome, Introduction, Overview of Meeting Agenda (Maite Maldonado) <ul style="list-style-type: none"> • Why combining Biological data sets and Trace Elements and their Isotopes (TEI) data sets? Vision, motivation, and rational for this ad-hoc meeting • What will be unique about incorporating Biological data sets in GEOTRACES? Why now?
09:15	An introduction to the Intermediate Data Product (Abby Bull) <ul style="list-style-type: none"> • Show case IDP 2014 as an example (tour of website, Atlas, data sets... • What can you do with these resources and data base?
9:45	An introduction to BioGeotraces activities <ul style="list-style-type: none"> • Examples of biological data sets for GDAC (Julie LaRoche, 15 min.) • Examples of biological data sets for GDAC (Chisholm group, 15 min.) • Moving forward (Mak Saito, 15 min.)
10:30	Coffee Break
10:45	Submitting data to GEOTRACES Data Assembly Centre (GDAC) (Abby Bull, 30 min.) <ul style="list-style-type: none"> • Introduction to the British Oceanographic Data Centre (BODC) and the GEOTRACES Data Assembly Centre (GDAC): who are they? What do they do? Etc. • BODC/GDAC process for dealing with biological data sets • Demands on data generators (forms, metadata, etc) • Problems/challenges to date • Resources limitations at BODC/GDAC BCO-DMO experience : data handling/deposition (Danie Kinkade, 15 min.) Possibilities & challenges in high-throughput 'omics' data (A. Allen, 15 min.)
11:45	Action Items for this meeting (Maite Maldonado)

12:00	Lunch: Clark 507
13:00	<p>Inter-calibration procedures/efforts & standardized methodologies in GEOTRACES (Alessandro Tagliabue, 15 min.)</p> <ul style="list-style-type: none"> • Introduction to intercalibration procedures/efforts in GEOTRACES TEI data sets • Biological data to be included in IDP will need to be standardized • Seed the discussion on how biologists calibrate/standardized their data <p>Example of Intercalibration efforts for particulate trace metal (Ben Twining, 15 min.)</p> <p>Examples of biological data sets for GDAC (Ben Twining, 15 min.)</p>
13:45	<p>Discussion of Candidate Biological Data Sets for the IDP 2017, Part I (lead by Maite Maldonado; Julie LaRoche data as example)</p> <ul style="list-style-type: none"> • Possible data sets to be included in IDP 2017 given submission GDAC deadlines • Prioritize data sets to be included in IDP 2017 • Open Discussion about ``wish list datasets`` for GEOTRACES: <ul style="list-style-type: none"> a) provide a rational for each dataset to be included: for example: what additional insight will be gained by putting this specific biological dataset alongside the TEI ? b) Can we collect these specific biological data sets across multiple ocean ? c) Who takes the leading torch for these data sets ?
15:15	Coffee break
15:30	Discussion of Candidate Biological Data Sets for the IDP 2017 <i>continuation</i> (lead by Maite Maldonado)
17:00	Connecting with Phil Boyd & Andrew Bowie (Tasmania)
17:30	Adjourn (dinner time and place: to be determined)

<u>23 November (Monday) Clark 509</u>	
08:15	Meet at the Lobby of the Hotel to car pull using TAXIs
08:30	Continental Breakfast (Room Clark 509)
09:00	Discussion on BioGeotraces Inter-calibration procedures/efforts Part I (lead by Mak Saito) PCR, DNA, and RNA
10:30	Coffee break
11:00	Discussion on BioGeotraces Inter-calibration procedures/efforts Part II (lead by Mak Saito) Proteomics, single cell metal measurements, others?
12:00	Lunch at the “Buttery”
13:00	Discussion on standardized methodologies (lead by Julie LaRoche)
14:00	Process Studies vs. GEOTRACES sections data
15:00	Coffee break
15:30	Continue discussions - summary
16:00	Connecting with Phil Boyd & Andrew Bowie (Tasmania) BioGEOTRACES Special Issue in Biogeosciences Discussions (Phil Boyd) <ul style="list-style-type: none"> • Deadline for submission October 1st, 2016
16:30	Summary of meeting
17:00	Adjourn