

Agenda

OCB Scoping Workshop on GBF-OOI

(Global Biogeochemical Fluxes Program for the Ocean Observatories Initiative)

May 23 – 25, 2011

Clark Laboratory Rm. 507, Woods Hole Oceanographic Institution

MONDAY A.M.

08:00 *Registration & Continental Breakfast*

08:30 Workshop Introduction: Goals and Format (*T. Eglinton*)

08:50 Plenary 1: Scientific objectives and observational priorities of a GBF Program

(*Chairs: K. Daly and C. Benitez-Nelson*)

08:55 GBF-OOI Overview: Rationale, Objectives, and Design (*S. Honjo*)

09:25 Primary Productivity in a Changing Ocean (*F. Chavez*)

09:50 Dissolved Organic Carbon in Ocean Export Production (*D. Hansell*)

10:15 *Coffee break*

10:30 Ocean Twilight Zone (*C. Benitez-Nelson*)

10:55 *Ocean Margins: Production, Flux and Remineralization of Particulate Organic Matter* (*R. Thunell*)

11:20 The Role of Deep Ocean Processes in Global Biogeochemical Cycles (*C. German and A. Boetius*)

11:45 Community Discussion

12:15 *Lunch*

MONDAY P.M.

13:00 Plenary 2: Assessing Primary Productivity and Biogeochemical Fluxes from the Global Ocean to Molecular Scale (*Chair: A. Bracher*)

13:10 Integrating Remotely Sensed and Direct Observations of Surface Ocean Productivity and the Biological Pump (*J. Yoder and M. Behrenfeld*)

13:35 Measurement Strategies to Inform Global Ocean Biogeochemical General Circulation Models and Vice Versa (*J. Dunne*)

14:00 Oceanic Molecular Biological Models (*M. Saito*)

14:25 Community Discussion

15:05 *Coffee Break*

15:20 Plenary 3: The OOI and Prospects for a GBF Program (*Chair: C. Pilskaln*)

15:25 OOI Elements and Technological Capabilities: Biogeochemical Cycles and Fluxes (*K. Daly*)

16:00 OOI Cyberinfrastructure: Data Acquisition, Synthesis, Broader Impacts and Public Outreach (*O. Schofield*)

16:30 Community Discussion

17:00 Reception & Poster Session

18:00 Dinner & Distinguished Lecture (*J. Delaney*)

Tuesday A.M.

08:00 *Continental Breakfast*

08:30 Plenary 4: GBF-OOI Technology (*A. Aubrey*)

08:35 GBF-OOI Technology, Platform, Sensors and Samplers (*S. Honjo*)

09:05 In Situ Measurements of Surface Ocean Productivity (*C. Taylor*)

09:30 Fast Repetition Rate Fluorometry (*Z. Kolber*)

09:55 *Coffee Break*

10:15 Bio-optical Technologies (*H. Sosik*)

10:40 Imaging Technologies for Water Column Observations (*M. Benfield*)

11:05 Ecogenomic Sensors (*C. Scholin*)

11:30 Community Discussion

12:00 Charge to Breakout Groups

12:10 *Lunch*

Tuesday P.M.

13:15 Breakout Session 1: How can the current and proposed observatories be optimized to improve our understanding of the global carbon cycle and our predictive capacity for global environmental change?

14:30 *Coffee Break*

15:00 Breakout Session 1 Reporting

15:30 Breakout Session 2: How can the proposed GBF-OOI Ocean Observatory be best utilized to contribute to furthering your individual research goals? How would such advancement at your individual level of research contribute to an improved understanding of global carbon flux, the overarching goal of the GBF-OOI?

17:00 *Reception & Poster Session*

Wednesday A.M.

08:00 *Continental Breakfast (Steering Committee meets in 509)*

08:30 Breakout Session 2 Reporting

09:00 Synthesis of Day 2 Discussions

09:15 Charge to Breakout Session 3: Synthesis, Integration and Public Engagement

09:30 Breakout Session 3 (until 11:00)

11:00 *Coffee Break*

11:15 Breakout Session 3 Reporting

11:30 Wrap-Up and Discussion of Next Steps

12:00 *Boxed Lunch and Adjourn*

13:00 – 15:00 GBF-OOI Scientific Steering Committee Meeting