Print

Ocean Carbon and Biogeochemistry Workshop 2011: Agenda with Slide/Video Presentations

Ocean Carbon and Biogeochemistry (OCB) Summer Workshop

Woods Hole Oceanographic Institution, Clark 507

July 18-21, 2011

Monday July 18, 2011

07:30-08:30 Continental Breakfast

Hang posters

08:30 Introduction *(Scott Doney, WHOI)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day1/IntroDoneyR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day1/IntroDoney.wmv

08:40 Data management talk (*Cyndy Chandler, BCO-DMO*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/ChandlerR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Chandler.wmv

09:00 Trends, Thresholds, and Tipping Points in Marine Ecosystems

Chairs: *Kendra Daly (USF), Jeremy Mathis (UAF)*

09:00 Thinking about regime shifts in marine ecosystems (*Brad deYoung, Memorial University*)

09:30 Ocean Acidification: Should we view it as a trend, threshold or tipping point? (*Ben McNeil, University of South Wales*)
PowerPoint and Video not available

10:00 Is Arctic sea ice approaching a tipping point? (*Ian Eisenman, Caltech/UW*)
PowerPoint and Video not available

10:30 Break

11:00 Past and future regime shifts in the North Pacific from physical and biochemical perspectives (*Nicholas Bond, UW/JISAO*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/BondR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Bond.wmv

11:30 Questions and discussion

Discussion part 1
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/DiscussionR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Discussion.wmv

Discussion part 2
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Discussion2R.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Discussion2.wmv

12:30 Lunch

14:00 Deepwater Horizon Oil Spill Update (*Chris Reddy, WHOI*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/ReddyR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Reddy.wmv

14:30 Questions and discussion

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/ReddyQ&AR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/ReddyQ&A.wmv

Kendra Daly, University of South Florida

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/KendraR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Kendra.wmv

Tom Bianchi, Texas A&M University

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/BianchiR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Bianchi.wmv

Boris Wawrick, University of Oklahoma

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/AfterBianchiR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/AfterBianchi.wmv

15:00 Student presentations (5 mins. each)
Raffaele Bernardello
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/BernardelloR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Bernardello.wmv
Philip J. Bresnahan
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/BresnahanR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBjul2011/Day1/Bresnahan.wmv

16:00 Poster session and reception

Tuesday July 19, 2011 – Joint session with U.S. CLIVAR

07:30-08:00 Continental Breakfast

Hang posters

08:00 OCB and US CLIVAR: A Joint Science Session

Chairs: *Ken Johnson (MBARI), Annalisa Bracco (Georgia Tech)*

08:00 Meeting introduction, mutual goals, anticipated outcomes (*Annalisa Bracco, Georgia Tech*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/BraccoR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Bracco.wmv

08:20 OCB and U.S. CLIVAR: Scientific questions and global observing capabilities (40 mins. talk) (*Scott Doney, WHOI*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/DoneyR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Doney.wmv

09:00 Joint OCB and U.S. CLIVAR science and observing objectives (45 mins. community discussion)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/DiscussionR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Discussion.wmv

09:45 Break (posters)

10:15 Global modeling challenges (30 mins. talk, 30 mins. community discussion) (*Mick Follows, MIT*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/FollowsR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Follows.wmv

11:15 Impacts of overturn on ocean heat and carbon fluxes and ecosystem processes

(30 mins. talk, 30 mins. community discussion) (*Alison Macdonald, WHOI*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/MacdonaldR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Macdonald.wmv

12:15 Lunch

13:45 Southern Ocean challenges: How do climate variability and climate change impact circulation, carbon uptake, and ecosystem processes? (30 mins. talk, 30 mins. community discussion) (*Nicole Lovenduski, Univ. Colorado*)

14:45 Coupled air-sea interaction, heat and gas exchange contributing to variability and trends in ocean biogeochemistry (e.g. carbon sources and oxygen minimum zones) (30 mins. talk, 30 mins. community discussion) (*Curtis Deutsch, UCLA*)
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/DeutschR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Deutsch.wmv

15:45 Break (posters)

16:15 Sub-daily to seasonal and sub-mesoscale to mesoscale processes and interaction with ocean biology (30 mins. talk, 30 mins. community discussion) (*Amala Mahadevan, WHOI*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/MahadevanR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day2/Mahadevan.wmv

17:15 Wrap-up remarks

17:30 Poster session

18:30 Workshop dinner (Fenno lawn)

Wednesday July 20, 2011

07:30-08:30 Continental Breakfast

Hang posters

08:30 Toward the Implementation of a Global Autonomous Biogeochemical Observing System

Chairs: *Kenneth Johnson (MBARI), Mary Jane Perry (U Maine)*

08:30 Introduction, overview, and brief history of activities related to autonomous observing for biogeochemistry (*Mary Jane Perry, U Maine*)

08:45 Vision for understanding the ocean with a global sensor network (*Kenneth Johnson, MBARI*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/JohnsonR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Johnson.wmv

09:15 Potential benefits of synthesizing autonomous network data with models *(Stephanie Dutkiewicz, MIT)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/DutkiewiczR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Dutkiewicz.wmv

09:45 Data quality requirements – oxygen minimum zone example *(Jorge Sarmiento, Princeton)*

10:15 Break

10:45 Questions and community discussion

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/DiscussionR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Discussion.wmv

11:30 Sensor calibration and data quality (O_2 example) *(Todd Martz, Scripps)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/MartzR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Martz.wmv

12:00 Strategy for cross-calibration of autonomous sensors (*Craig Lee, U Washington*)

Part 1

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http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Lee.wmv

Part 2
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Lee2R.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Lee2.wmv

12:30 Lunch

14:00 International activities *(Hervé Claustre, Laboratoire d'Océanographie de Villefranche)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/ClaustreR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Claustre.wmv

14:30 Implementation and community involvement (*Open discussion moderated by Johnson and Perry*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/PerryR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Perry.wmv
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Discussion2R.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day3/Discussion2.wmv

16:00 Break and Poster session

Dinner on your own

Thursday July 21, 2011

07:30-08:30 Continental Breakfast

08:30 Agency updates

NSF (*David Garrison, Donald Rice*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/NSFGarrisonR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/NSFGarrison.wmv

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/NSFRiceR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/NSFRice.wmv

NASA (*Paula Bontempi*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/NasaBontempiR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/NasaBontempi.wmv

09:15 OCB scoping workshop report: A Biogeochemical Flux program aligned with the Ocean Observatories Initiative *(Susumo Honjo, WHOI)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/HonjoR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Honjo.wmv

09:45 Update on joint OCB/NACP coastal synthesis activities *(Jeremy Mathis, UAF)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/MathisR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Mathis.wmv

10:15 Break

10:45 RECCAP (Regional Carbon Cycle Assessment and Processes) workshop report (*Galen McKinley, Univ. of Wisconsin*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/MckinleyR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Mckinley.wmv

11:05 IOCCP activities update *(Kathy Tedesco, UNESCO)*

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/TedescoR.mov
http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Tedesco.wmv

11:15 OCB implementation: Looking beyond scoping (open discussion moderated by Doney)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/DoneyR.mov

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Doney.wmv

11:50 Closing remarks and wrap-up (*Scott Doney, WHOI*)

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Doney2R.mov

http://mex1.whoi.edu:8080/http/WHOI_CMS/Events/OCBJul2011/Day4/Doney2.wmv

12:00 Adjourn and Lunch

13:30 OCB Scientific Steering Committee (SSC) meeting, Smith Conference Room (Woods Hole Village, see map) (*OCB SSC members and agency representatives only*)

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