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OCB Ocean Acidification Short Course : Overview

THANK YOU!

The Ocean Carbon & Biogeochemistry Program would like to thank all instructors, TAs, students, and WHOI and MBL staff for a successful and enjoyable course! We also extend our sincere thanks to the OCB Project Office sponsors NSF, NASA, and NOAA, as well as the European Project on Ocean Acidification (EPOCA).

OCB OCEAN ACIDIFICATION SHORT COURSE ? NOVEMBER 2-13, 2009

The Ocean Carbon & Biogeochemistry (OCB) Project Office (funded by NSF, NASA, and NOAA) with co-sponsorship from the European Project on Ocean Acidification (EPOCA) coordinated and hosted a hands-on ocean acidification short course from November 2-13, 2009 at the Woods Hole Oceanographic Institution and the Marine Biological Laboratory in Woods Hole, MA. With representation from 14 countries, the course convened 20 instructors and 35 participants (postdoctoral and faculty level) from multiple sub-disciplines of biological and chemical oceanography. Building upon recommendations from the recent Ocean Acidification Best Practices Workshop in Kiel, Germany, instructors educated participants on appropriate chemical and biological techniques and protocols related to ocean acidification research using a combination of lectures and hands-on laboratory experiences. The first segment of the course focused on water sampling and measurement techniques for inorganic carbon parameters in seawater. Instructors also provided demonstrations of software packages used to calculate CO2 system parameters (CO2SYS, seacarb). The second segment focused on key aspects of ocean acidification experimental design, such as manipulation of seawater chemistry, biological perturbation approaches, and lab- and field-based methods for measuring organism calcification and other physiological responses to seawater chemistry changes. The third segment included lectures and hands-on work with biogeochemical modeling and use of large global data sets in ocean acidification research. In the final segment, participants learned about ocean acidification data reporting requirements and metadata guidelines and gained hands-on experience with the Ocean Data View (ODV) software.

The Course Materials page includes a full course syllabus, background materials, lecture files, and video footage of all course lectures. For more information on who participated in the course, please visit the Participants page. Please check back often, as we will be populating this page with photos and brief bios of the participants and instructors.

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(Photo by Mark Carls, NOAA)

Related Links

» OCB Ocean Acidification website

» EPOCA, BIOACID, CalMarO and OCB training workshop on the best practices in ocean acidification research

» European Project on Ocean Acidification (EPOCA)

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