Ocean Biogeochemistry (OCB) Time-series Scoping Workshop

Sea change: Charting the course for ecological and biogeochemical ocean time series research

Agenda: September 21-23, 2010

Monday September 20, 2010
Participants arrive at Honolulu, Hawaii
Check into New Otani Kaimana Beach Hotel (http://www.kaimana.com/)

Tuesday September 21, 2010
08:00  Shuttle bus pick up at New Otani Hotel, transport to Asia Room, East-West Center at University of Hawaii, Manoa
08:15-08:45  Coffee service
08:45-09:00  Welcome/Introduction/Workshop objectives (Matthew Church, UH)
09:00-09:55  The Bermuda Atlantic Time-series Study (Michael Lomas, BIOS)
09:55-10:10  Coffee break
10:10-11:05  The Hawaii Ocean Time-series (Matthew Church, UH)
11:05-12:00  The CARIACO Oceanographic Time-Series Program (Frank Muller-Karger, USF)
12:00-13:00  Lunch
13:00-13:50  Plenary 1: Cross ecosystem perspectives on aquatic biogeochemistry and plankton community structure (Robert Sterner, University of Minnesota)
13:50-14:50  Discussion and observations/ input from NSF program managers (Don Rice, Phil Taylor, Dave Garrison)
14:50-15:20  Coffee break
15:20-16:00  Ocean Biogeochemistry Research Opportunities Using the Ocean Observatories Initiative Infrastructure (Kendra Daly)
16:00-16:30  An update on the European network of marine observatories (Richard Lampitt)
16:30-16:45  The Ocean Time Series Advisory Committee (OTSAC): An introduction (Ken Johnson)
16:45-17:15  Additional time for discussion
17:15  Shuttle bus return to hotel
18:30  Shuttle bus pick up at the New Otani Hotel for transport to banquet at The Willows Restaurant (http://www.willowshawaii.com/).
19:45  Evening plenary: “The Joy of ocean Time-Series” (David Karl, University of Hawaii)
21:00  Shuttle bus return to New Otani Hotel
Wednesday September 22, 2010

08:00  Shuttle bus pick up at New Otani transport to Asia Room, East-West Center at University of Hawaii, Manoa
08:15-8:55  Coffee service
08:55-09:00  Announcements/Introduction to the day’s activities
09:00-09:50  Plenary 2: Biogeochemical and ecological coupling or decoupling of the epilagic and deep sea: regional to global implications (Richard Lampitt, NOC, Southampton)
09:50-10:05  Coffee break
09:50-11:30  Working Group discussions: Critical science directions for the ongoing OCB time series: scope, feedbacks, and direction
  • What science questions must the OCB time series programs continue to address?
  • What critical science questions are currently not being addressed or adequately resolved by the OCB time series programs? Are we missing key pools/rates? What are appropriate time and space scales necessary to resolve these questions?
  • From a practical perspective can these questions be addressed?
  • Is there need to integrate or network the ongoing OCB time series efforts beyond the current level of interaction? Would such integration address unresolved science questions? What would the critical elements of this integration include?
11:30-12:30  Working group reports
12:30-13:30  Lunch
13:30-14:20  Plenary 3: Autonomous platform time series (Ken Johnson, MBARI)
14:20-15:00  Coffee available
14:20-16:45  Working Group discussions: Coordination and implementation of novel sensing technologies at ocean time series:
  • Current and future science questions and motivations
  • Available/emerging platforms & sensors to address these questions
  • Explore technology challenges that need to be addressed
  • Practical and workforce considerations
  • Integrating shipboard, autonomous in situ, and satellite time series with models
  • Extending time series to regional and global scales
16:45-18:00  Working group reports/discussion
18:00  Shuttle bus return to hotel; dinner on your own
Thursday September 23, 2010

08:00  Shuttle bus pick-up at New Otani transport to Asia Room, East-West Center at University of Hawaii, Manoa

08:15-08:55  Coffee service

08:55-09:00  Announcements/ introduction to the day’s activities

09:00-09:50  Plenary 4: Ocean-time series as windows into scales of variability in the sea (Francisco Chavez, MBARI)

09:50-10:05  Coffee break

10:05-12:30  Working Group discussions: Defining future ocean time-series science activities:

- What role do and can the ship-based time-series programs play in emerging ocean observing programs?
- What is the right balance between ship-based time-series, moorings, gliders, remote sensing, etc. for the future time-series?
- Data management and synthesis –can we use/improve existing data repositories to improve our view of ocean processes at the time series sites?

12:30-13:30  Lunch

13:30-14:30  Working group reports/discussion

14:30-14:45  Concluding remarks (Matthew Church, UH)

14:45  Shuttle bus return to hotel

14:45-18:00  Scoping workshop steering committee convenes to begin drafting workshop report

Friday September 24, 2010

Check out of New Otani Hotel