

Oceans of Change

Our Climate, Our Sanctuary, Our Future

Human activity is causing rapid and dramatic changes in the Earth's climate, according to a growing consensus of international scientists. What is the precise nature of climate change, and what effects is it having on the ocean globally—and in our own Monterey Bay National Marine Sanctuary? Come hear the latest from experts about what's happening to our climate and oceans, the causes and effects of these changes, and how we as a society can respond to climate change.

A Free Event!

Saturday, April 5, 2008 • 8:00 a.m. to 3:00 p.m.

California State University, Monterey Bay • University Center, Sixth Street, Seaside

P R O G R A M O F E V E N T S

8:00 – 8:45 a.m. Registration (No pre-registration is necessary.)

8:45 – 9:00 a.m. Welcome

Representative, Board of Directors, Association of Monterey Bay Area Governments

Paul Michel, Superintendent, Monterey Bay National Marine Sanctuary

Moderator: Chris Harrold, Director of Conservation Research, Monterey Bay Aquarium

What is happening to our climate?

9:00 – 9:25 a.m. From Global to Local: Climate Change and Our Future

Lisa C. Sloan, Professor of Earth & Planetary Sciences and Director of Climate Change & Impacts Laboratory, University of California, Santa Cruz

What are the problems?

9:25 – 9:50 a.m. Sea Level Change in Monterey Bay: History, Future, and Implications

Douglas Smith, Associate Professor, Science and Environmental Policy, California State University, Monterey Bay

9:50– 10:15 a.m. CO₂ in the Ocean: Fertilizer or Herbicide?

Nick Welschmeyer, Professor, Moss Landing Marine Laboratories and San Jose State University

10:15 – 10:40 a.m. Climate Change and Ecosystem Change in Central California

Bill Sydeman, President & Senior Scientist, Farallon Institute for Advanced Ecosystem Research

10:40 – 11:00 a.m. Break

What can we do?

11:00 – 11:25 a.m. Open Ocean Iron Fertilization: Can the Oceans Help to Sequester Carbon?

Kenneth H. Coale, Director, Moss Landing Marine Laboratories

11:25 – 11:50 p.m. Developing a Regional Climate Change Strategy

Will Travis, Executive Director, San Francisco Bay Conservation and Development Commission

11:50 – 12:15 p.m. Shifting our Systems towards Sustainability

Laura Strohm, Executive Director, The Sustainability Academy, Monterey

12:15 – 2:00 p.m. Lunch, exhibits, and displays of student and professional marine research

2:00 – 3:00 p.m. Ricketts Memorial Lecture

Changing the World One Breath at a Time: Humans, Climate, and Ocean Ecosystems

James Barry, Associate Scientist, Director of Benthic Ecology and Biology, Monterey Bay Aquarium Research Institute

For more information and directions:

visit www.montereybay@noaa.gov, or contact Liz Love at (831) 647-4255 or liz.love@noaa.gov

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