

**NOAA Science Day: Diverse Approaches to Ecosystem Research
January 2013**

NOAA's vision of healthy ecosystems, communities and economies that are resilient in the face of change requires a holistic understanding of the earth system. NOAA scientists and partners are working together across programs to improve our understanding of ecosystem connections; research critical ocean, coastal, and Great Lakes ecosystem dynamics and their response to pressures and change; and to help us translate scientific understanding into decision support tools to help us manage our nation's coastal and marine resources.

Top scientists from NOAA and our partners conducting innovative ecosystem research will discuss findings that will help NOAA meet its goals for healthy oceans and resilient coastal communities and economies.

AGENDA

Wednesday, January 30, 2013: Silver Spring Science Day

SSMC-3, Room 4527

Webinar Registration: www2.gotomeeting.com/register/411664234

- 1:00 p.m. Welcome Remarks**
Dr. Robert Detrick, Assistant Administrator, NOAA/OAR
- 1:05 p.m. Introduction**
Dr. "Sandy" MacDonald, OAR Chief Science Adviser
- 1:15 p.m. Key considerations for managing marine ecosystems**
Jason Link, Ph.D.
Senior Scientist for Ecological Research
National Marine Fisheries Service
- 1:45 p.m. Connecting climate and marine ecosystems: progress and challenges**
Charlie Stock, Ph.D.
Research Oceanographer
NOAA Geophysical Fluid Dynamics Laboratory
Office of Oceanic & Atmospheric Research
- 2:15 p.m. Forecasting impacts of invasive species on Great Lakes food webs and fisheries**
Ed Rutherford, Ph.D.
Research Fish Biologist
Great Lakes Environmental Research Laboratory
Office of Oceanic & Atmospheric Research
- 2:45 p.m. Break**
- 3:00 p.m. Ocean acidification: the ecosystem acid test**
Beth Phelan, Ph.D.
Chief, Behavioral Ecology Branch, Northeast Fisheries Science Center

National Marine Fisheries Service

- 3:30 p.m.** **Forecasting toxic impacts with Harmful Algal Bloom and Hypoxia prediction systems**
Mary Erickson, Ph.D.
Chief, Office of the Coast Survey Development Laboratory
National Ocean Service
- 4:00 p.m.** **Molecular microbiology used to explore biodiversity, understand ecological function, and to protect health**
Kelly Goodwin, Ph.D.
Environmental Microbiologist
Atlantic Oceanographic & Meteorological Laboratory
Office of Oceanic & Atmospheric Research
- 4:30 p.m.** **Valuation and Payment for Marine Ecosystem Services**
Doug Lipton, Ph.D.
Associate Professor and Coordinator
Maryland Sea Grant College Program
- 4:55 p.m.** **Closing Remarks**
Dr. Alexander MacDonald
- 5:00 p.m.** **Adjourn**