



**“THE GLOBAL OCEAN OBSERVING SYSTEM FOR CLIMATE: HOW WE OBSERVE
THE GLOBAL OCEANS AND WHAT THEY ARE TELLING US”**

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Monday, February 10, 2014
3:30 PM

Room 1202, Engineering and Computational Sciences Building

Abstract

Over the past 20+ years, there has been remarkable progress in developing a global ocean observing system. Global *in-situ* observations of essential climate variables in the ice-free ocean to 2000 m depth are now routinely available to address the long-term observational requirements of forecast and modeling centers, international research programs, major scientific assessments, and decision-makers. This presentation will review some of the needs for a global ocean observing system, as well as describe the relevant observing systems and some new discoveries about the ocean and its role in the earth system. Additionally, prospects and plans for future observations necessary to address emerging scientific frontiers will be addressed.

Biography

Dr. David M. Legler currently serves as a Chief of NOAA’s Climate Observations Division in NOAA’s Climate Program Office. The Division is leading NOAA’s efforts to develop and make contributions to the global ocean observing system for climate. Before coming to NOAA, Dr. Legler directed the US Climate Variability and Predictability (CLIVAR – a program of the World Climate Research Program) Office in Washington, DC for over 10 years, where he coordinated scientific and programmatic activities addressing a wide range of topics including the Atlantic Meridional Overturning Circulation (AMOC). He has also served on numerous national and international committees addressing global ocean observations, ocean data assimilation, ocean data management, and climate research.

Reception before seminar at 3:00 PM