



## **Promoting Ocean Literacy through American Meteorological Society Programs**

Michael Passow (1), Wendy Abshire (2), Robert Weinbeck (2), Ira Geer (2), and Elizabeth Mills (2)

(1) Lamont-Doherty Earth Observatory, Columbia University, Palisades, United States (michael@earth2class.org), (2) American Meteorological Society Education Program, Washington, DC, United States

American Meteorological Society Education Programs provide course materials, online and physical resources, educator instruction, and specialized training in ocean, weather, and climate sciences (<https://www.ametsoc.org/ams/index.cfm/education-careers/education-program/k-12-teachers/>). Ocean Science literacy efforts are supported through the Maury Project, DataStreme Ocean, and AMS Ocean Studies. The Maury Project is a summer professional development program held at the US Naval Academy designed to enhance effective teaching of the science, technology, engineering, and mathematics of oceanography. DataStreme Ocean is a semester-long course offered twice a year to participants nationwide. Created and sustained with major support from NOAA, DS Ocean explores key concepts in marine geology, physical and chemical oceanography, marine biology, and climate change. It utilizes electronically-transmitted text readings, investigations and current environmental data. AMS Ocean Studies provides complete packages for undergraduate courses. These include online textbooks, investigations manuals, RealTime Ocean Portal (course website), and course management system-compatible files. It can be offered in traditional lecture/laboratory, completely online, and hybrid learning environments. Assistance from AMS staff and other course users is available.