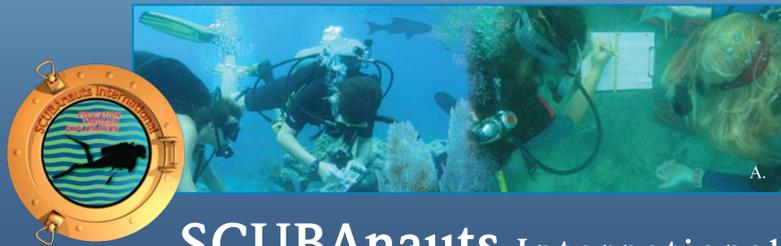




GLOBE's Collaboration To Support Ocean Science Education

GLOBAL LEARNING AND OBSERVATIONS TO BENEFIT THE ENVIRONMENT (GLOBE)



SCUBAnauts International



GLOBE Chief Scientist's Blog

This NASA funded program provides opportunities for students ages 12-18 to participate in underwater research in the marine sciences. SCUBAnaut blog entries followed the progress of Operation Deep Climb, a series of deep sea submersible dives and a climb to the summit of Mauna Kea. The GLOBE Chief Scientist assisted with an analysis of their GLOBE data.

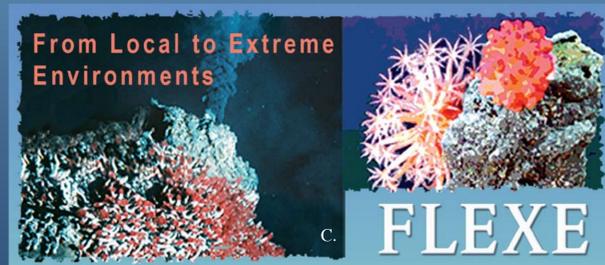


Marine Hydrology Symposium

GLOBE's first Marine Hydrology Symposium took place at Western Washington University in Bellingham, WA, July 2001. GLOBE trainers were introduced to the GLOBE marine macroinvertebrate protocols and conducted hydrology measurements in saltwater and brackish sites. GLOBE scientists presented research interests in marine biology and showed how GLOBE data contributes to a better understanding of Earth system science.

Thailand Marine Coastal Symposium

Highlights included observations of coral reefs, monitoring change detection and bleaching through satellite remote sensing; field studies of reef flats, sea grass and marine macroinvertebrates using GLOBE protocols and ongoing studies of the impact of the Sumatran Tsunami and recovery of local marine coastal resources.



FLEXE is a GLOBE Earth System Science Project involving study of the deep ocean led by Pennsylvania State University in partnership with Ridge 2000 and InterRIDGE scientists. Highlights include Web-based learning activities, student-to-scientist forums, the January 2007 Seafloor to Space Station Phone Call; and a FLEXE Research Cruise to the hydrothermal vents of the East Pacific Rise.

Highlights include Web-based learning activities, student-to-scientist forums, the January 2007 Seafloor to Space Station Phone Call; and a FLEXE Research Cruise to the hydrothermal vents of the East Pacific Rise.



Coast Watch Europe

GLOBE Germany participates in Coast Watch Europe, an annual inspection of all European coasts performed simultaneously by 20 European Countries. GLOBE schools participate by inspecting ocean and sea coastlines and completing a standardized questionnaire about animals, plants, and waste to increase their knowledge of coastal areas.

NOAA's Teacher at Sea Program

Aboard NOAA research and survey ships, GLOBE teachers, partners and scientists bring their research back to the classroom. NOAA's Teacher at Sea (TAS) program gives teachers and their students a clearer insight into our ocean planet, a greater understanding of maritime work and studies, and an increased level of environmental literacy by fostering an interdisciplinary research experience at sea.



OceanGLOBE

The UCLA Marine Science Center and National Science Foundation funded a beach research and outdoor environmental education outreach program for upper elementary, middle and high school students.

Exploring the Celebes Sea

GLOBE Philippines students followed the progress of a joint NOAA, National Geographic Society, and Filipino deep sea expedition to learn about a largely unexplored area in the Celebes Sea. Through Web logs and compelling images, videos and podcasts, the Celebes Sea Expedition provided a unique opportunity for GLOBE students to become active underwater explorers alongside an international team of deep sea scientists.

www.globe.gov



A. Courtesy of SCUBAnauts International
B. Courtesy of Teresa Kennedy
C. Courtesy of D. Kelley, University of Washington
D. Courtesy of R. Lutz, Rutgers University; Stephen Low Productions; and Woods Hole Oceanographic Institution
E. Courtesy of K. Von Damm, University of New Hampshire
F. Courtesy of NOAA
G. Courtesy of Gete Bond
H. Courtesy of Robert Perry, Santa Monica/Malibu Unified School District and UCLA OceanGLOBE