



# The GLOBE Program

*Global Learning and Observations to Benefit the Environment  
An International Environmental Science and Education Partnership*

GLOBE is a hands-on, school-based science and education program that unites students, teachers, and scientists in study and research about the dynamics of the Earth's environment. Over a million GLOBE students in more than 14,000 schools located in over 100 countries are taking important environmental measurements. Their data are used in their own research activities and also by scientists around the world.

The goals of the GLOBE Program are to:

- Increase scientific understanding of the Earth,
- Improve student achievement in science and mathematics, and
- Enhance the environmental awareness of individuals worldwide.

**“GLOBE is the quintessentially ideal program for involving kids in science.”  
Nobel Laureate Dr. Leon Lederman.**

The GLOBE Program is implemented through a worldwide network of primary and secondary schools. GLOBE students:

- Take environmental measurements at or near their schools,
- Report their data to the GLOBE data archive via the Internet,
- Create maps and graphs to analyze GLOBE data sets, and
- Collaborate with scientists and other GLOBE students around the world.

GLOBE students have reported over 11 million measurements in the areas of Atmosphere/Climate, Hydrology, Soils and Land Cover/Biology. GLOBE improves student understanding because it involves students in performing real science – taking measurements, analyzing data, and participating in research collaborations with other students, as well as with scientists.

Scientists and educators have developed environmental science educational materials as a resource for GLOBE teachers. Professional development workshops train teachers to guide their students in taking measurements according to scientific protocols, in using the Internet to report and analyze scientific data, and in creating partnerships among students at GLOBE schools around the world.

Broad international participation is integral to the design of the GLOBE Program. Bilateral agreements establish partnerships between the United States and its international partner countries, which are then responsible for designing program implementation in their own countries. Implementation in the United States depends upon the efforts of almost 100 state and local partner organizations. GLOBE is funded by NASA, supported by NSF and the Department of State, and implemented in partnership with the University Consortium for Atmospheric Research (UCAR) in Boulder, Colorado.

Visit the GLOBE Program at [www.globe.gov](http://www.globe.gov)