

The **GLOBE** Program



An exciting, worldwide, hands-on
science and education program



www.globe.gov

The GLOBE Program

Global Learning and Observation to Benefit the Environment

The GLOBE Program is a hands-on, school and community based science and education program that unites students, teachers and scientists in the study and research about the dynamics of the Earth's environment.

GLOBE is implemented through a worldwide network of primary and secondary schools in over hundred countries involving more than a million students.

GLOBE provides students and their teachers access to top scientists from around the world and exposes them to programs that are on the cutting edge of Earth Systems science research.

Goal of Hands-on Environmental Learning Program

To promote effective Environmental Education in Indian school system, which translates knowledge into action and leads to participatory environmental conservation.



GLOBE Students

- Collect environmental data and report their observation to the GLOBE database;
- Use GLOBE web-based tools to create maps and graphs of data;
- Analyse data and conduct research with scientists and other students;
- Publish their research on the GLOBE Website and
- Present their research at GLOBE Learning Expedition (GLE), sharing their findings with their peer around the world.



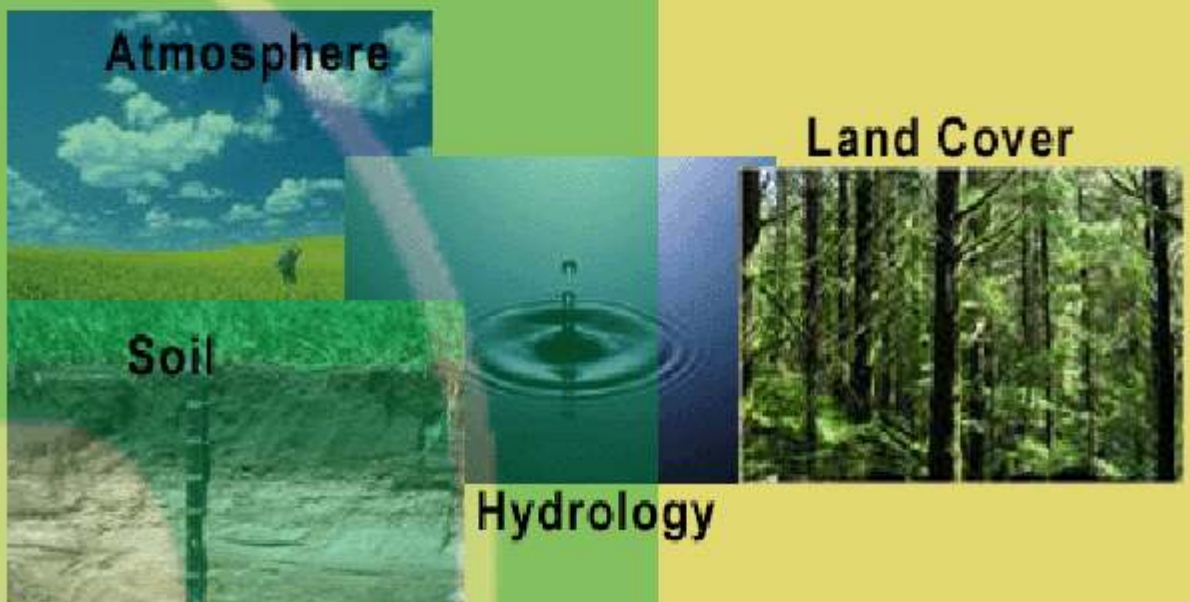
Education

Teachers attend a GLOBE training workshop before beginning GLOBE in their classrooms. At these workshops, they get hands-on instructions on how to take the GLOBE measurements and how to report the data to GLOBE Server.

Science

The GLOBE Protocols cover four main Earth science investigation areas:

- **Atmosphere** (Chemistry, weather & climate)
- **Hydrology** (Water quality measurements)
- **Soil** (Moisture, temperature & general characters)
- **Land Cover/ Biology** (Mapping & biometry)



Schools can focus on all of these areas or just a subset such as cloud observations and land cover measurements.

An important aspect of the program is that students are encouraged to communicate directly with the GLOBE scientists to better understand the impact and importance of their data. GLOBE scientists discuss students the pattern they see in the students' data, answer commonly asked questions, and list scientific publications relevant to GLOBE.

About Us

Globe is a worldwide hands-on primary & secondary school-based Earth Science & Education program. In India, Ministry of Environment & Forests with Indian Environmental Society implementing the GLOBE Program in 16 states (J & K, H P, Punjab, Goa, Uttaranchal, Andhra Pradesh, Orissa, Maharashtra, Karnataka, Tamil Nadu, Kerala, Chhattisgarh, Assam, West Bengal, Tripura & Sikkim). This number will grow with addition of 3 more states.

MoEF & IES has enrolled over 1900 GLOBE- trained teachers in more than 1600 schools in India. In Delhi with the support of Dept. of Environment, Govt. of NCT of Delhi, IES has implemented GLOBE in



Eco-club and Lead Eco-club Schools of Delhi.

Many GLOBE- trained teachers in India are helping students explore and understand their local,

regional and global environment through scientific investigation. There numbers will continue to grow as the GLOBE expands.

"GLOBE is the quintessentially ideal program involving kids in science,"

- Nobel laureate Dr. Leon Lederman



To learn more, visit the GLOBE Website at www.globe.gov and click on “Learn About GLOBE”. If you have questions or comments about GLOBE, click on “Contact GLOBE”.

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