

Engage in Real-World Science with GLOBE



- Millions of participating citizen scientists
- 250+ million Earth observations available in open-access GLOBE database
- 30 years of data collected
- More than 350,000 database queries per year
- 1000+ publications

The GLOBE Program is a community of citizen scientists from around the world that includes students, educators, scientists, and volunteer observers of all ages. Together, we aim to understand and advance Earth system science through data collection and analysis.

A Long-Standing Citizen Science Project

GLOBE participants collect surface-based environmental data using [science protocols](#) developed by researchers, contributing to a large open-access [Earth science database](#). **With more than 250 million data points gathered over three decades, this citizen science-powered resource supports scientific investigations to deepen our understanding of Earth's systems at local, regional, and global scales.**

Why Join GLOBE?

When you join GLOBE, you become part of a [global science effort](#), collecting and analyzing environmental data that helps track changes in Earth's systems. Participants measure everything from rainfall to soil health to tree height. And participants who submit cloud observations receive an email showing how their data correspond with [data from satellites](#) from NASA, NOAA, and other international organizations!

GLOBE's citizen science efforts have made an impact — from identifying mosquito habitats to detecting pollution risks in local waterways.



Learn More

GLOBE.gov |
help@nasaglobe.org



Do GLOBE, Do Science



Ready to Join GLOBE?

Get Started

Create an account through GLOBE.gov or by downloading the [GLOBE Observer app](#).

Once you join the community, GLOBE offers resources, training, and support to help you succeed. Visit the GLOBE website to learn more.



Get Involved

Citizen scientists of all ages and experiences can do science with GLOBE!

Volunteer observers can use the [GLOBE Observer](#) app to make observations of clouds, mosquito habitats, trees, land cover, and solar eclipses!

Educators can bring GLOBE into the classroom with hands-on activities, scientific measurement protocols, [teacher guides](#), and other [instructional resources](#).

Students can join [GLOBE measurement campaigns](#), conduct original research using [GLOBE data](#), and present findings at events such as the [International Virtual Science Symposium](#) – building STEM, data literacy, and critical-thinking skills along the way.

STEM professionals can join the [GLOBE International STEM Network](#) to collaborate on investigations, mentor educators and students, engage in professional learning, and share their expertise with the community.



DOWNLOAD THE APP



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The Global Learning and Observations to Benefit the Environment (GLOBE) Program