

GLOBE Observer

The GLOBE Observer citizen science app allows volunteers to take several different kinds of data using their cell phones, and join the Global Learning and Observations to Benefit the Environment (GLOBE) community. The data are used in multiple projects to track changes in the environment in support of Earth system science research. The resulting open data set is available to scientists, and used by students of all ages doing a variety of research projects through the GLOBE Program.

The GLOBE Observer app is available in twelve languages.

What you'll do:

- Use your smartphone to make and share observations. You can use the app to:
 - take pictures of clouds to complement satellite data,
 - document how land cover and use to assess risk of fire, flood, drought, and track effects of climate change,
 - Search, document, and disrupt mosquito breeding habitat,
 - Estimate tree heights to help measure how growth rates are responding to climate change,
 - Report air temperature and cloud cover during a solar eclipse.

Requirements

- Time: Minutes
- Equipment: Smartphone (Android or iOS) with the GLOBE Observer app installed and a thermometer (for the eclipse)
- Knowledge: None required. An in-app tutorial and instructions are provided.

Get started!

- Visit the project website or download the app on Google Play or the Apple app store.
- Create an account.
- Choose the protocol that interests you most, or do them all!
- Follow instructions in the mobile app to start contributing!

Visit the project website

<https://observer.globe.gov/> (or QR code at right) to learn more about:

- The international **GLOBE Program**, of which GLOBE Observer is a proud part,
- Free resources for formal and informal educators,
- Special program events and NASA GLOBE Challenges.



Follow the QR code to the right to learn about more NASA research projects that need your help. **Everyone, regardless of citizenship status, is invited to join these projects!**
science.nasa.gov/citizen-science



WHO: Age 13 and up

WHERE: Outside

DIVISION: Earth

LAUNCHED: 2016



Choose to study Eclipses, Clouds, Land cover, Mosquito Habitats, Trees, and/or, if you are in the Americas, the Total Solar Eclipse on April 8, 2024.

The Eclipse tool will be visible in the GLOBE Observer app in late March, 2024, just in time for the 08 April 2024 eclipse that will be visible across North America.

The **GLOBE Observer** Team includes:



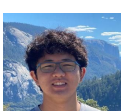
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