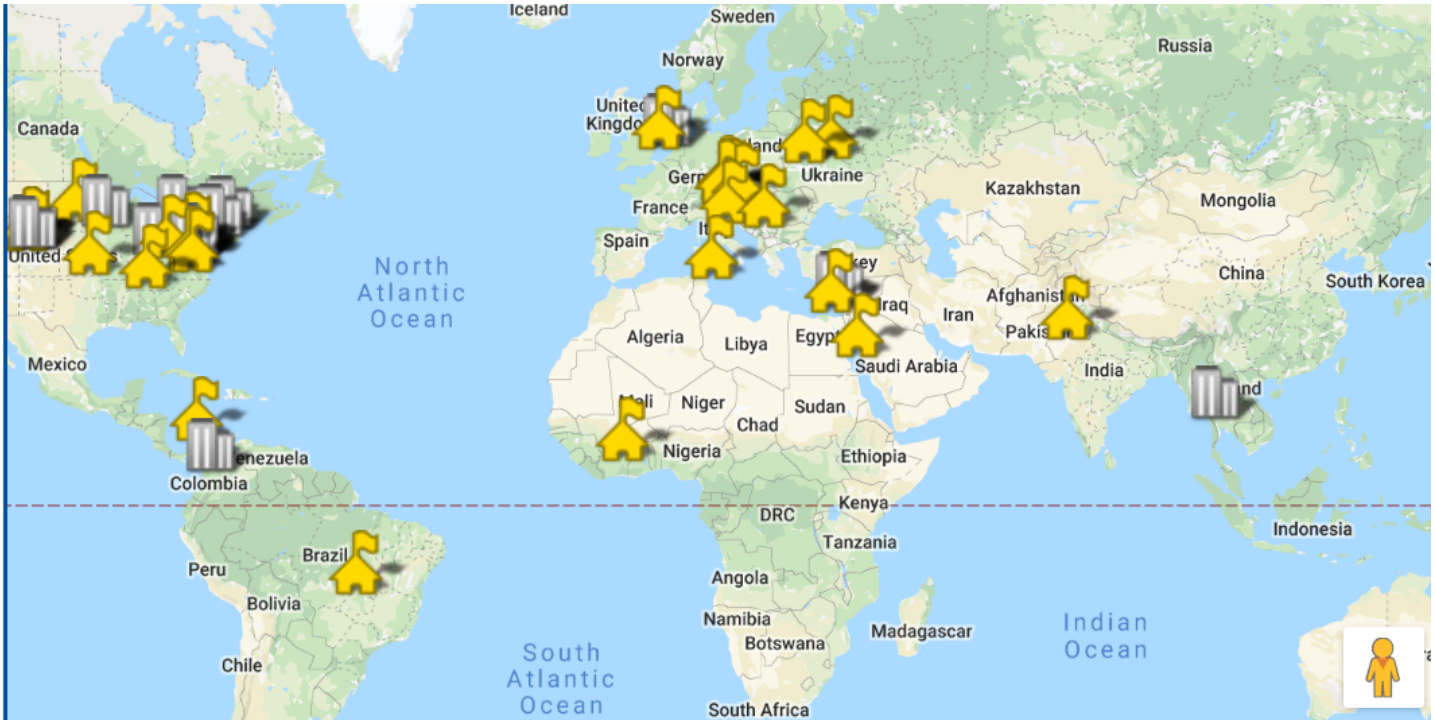
My NASA Data - GLOBE Connections

GLOBE Earth as a System - Additional Resources



The GLOBE resources on this page will support exploration of My NASA Data Earth System content. These include campaigns, eTraining, pacing guides, and how to find related student projects.

eTraining

For online eTraining on GLOBE protocols, visit the eTraining page.

Campaigns

GLOBE campaigns are a great way to explore different phenomena. Students have the opportunity to use GLOBE protocols and submit data in conjunction with students around the world. These data will contribute to the goals of the campaign in addition to facilitating student learning. Two examples are the Cloud and Urban Heat Island campaigns.

Cloud Challenges

There are periodic challenge periods for the cloud protocol. Check the GLOBE Observer Data Collection Challenges page to see if there is a current challenge. Of course, you can ALWAYS make cloud observations and submit your data. In addition, resources are available on pages detailing previous challenges such as the Fall Cloud Challenge: What's up in your Sky?

Urban Heat Island Effect-Surface Temperature Field Campaign

The University of Toledo is leading annual field campaigns focused on the impacts of urbanization on Earth's temperature. Help the scientists answer "How does surface cover of an area affect its surface temperature?" Set up research studies at your school looking at the differences of surface temperatures for different land cover.

Pacing Guides

GLOBE Educator One-Week Pacing guides are designed to facilitate implementation of The GLOBE Program's GLOBE Observer app tools. Each guide includes:

- A guiding question
- Contact information
- NGSS standards alignment
- Background information
- Five sequenced activities (One is using on of The GLBOE Program's GLOBE Observer tools.)
- Additional resources.

Each of the five sequenced activities includes assessment options and a question that relates to the

guiding question. There are some GLOBE Educator One-Week Pacing Guides related to Earth as a System. These are:

- Clouds and Energy Budget - Grades 6-12
- Solar Eclipse - Grades 3-12
- Trees and the Carbon Cycle - Grades 6-12
- Urban Heat Islands - Grades 6-12

Student Projects

Find student projects related to the phenomenon you are exploring. These projects can be used as background research for younger students, or as models for student projects. There is a search filter available to find the projects you would be most interested in seeing. Students can also submit their own reports on the same page.

Source: (GLOBE Website)

You can filter on the following:

- Year
- Region/Country
- Grade Level
- Protocol - all GLOBE protocols are available
- Report Type - The report type options are different forums available for students to submit

their work.

There are also mechanisms for students to participate in the International Virtual Science Symposium and Student Research Symposia.