


National Aeronautics and  
Space Administration 

**GLOBE**  
Global Learning & Observations to Benefit the Environment  
<https://globe.gov> and <https://observer.globe.gov>  
@NASAGO


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**GLOBE Data Fundamentals:  
Training 1**

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January 23, 2020

Questions? [help@globe.gov](mailto:help@globe.gov)

 **THE GLOBE PROGRAM**

**Example:**

**Q:** Will the webinar slides be made available?

**A:** Yes, the webinar and slides will be posted on <https://observer.globe.gov/get-data> under *Tutorials*.

**Q1:** Are annual meetings always held in the US? **(Hampapuram Ramapriyan)**

**A1:** Typically, yes. However, GLOBE Learning Expeditions can occur outside of the United States. **(Travis Andersen)**

- Learn more about GLOBE meetings at [https://www.globe.gov/news-events/meetings\\_symposia](https://www.globe.gov/news-events/meetings_symposia)
- There are also regional meetings in various places - the calendar here, <https://www.globe.gov/news-events/calendar>, can be sorted by the chosen region(s).

**(Kristen Weaver)**

There is a proposed GLOBE Annual meeting schedule for the next several years. This has **not** been finalized and was recently sent to the GLOBE Community for feedback. **(Jessica Taylor)**

2020	Washington DC -- Annual Meeting (regular annual meeting open to all community members, WGs meetings, RCOs meetings, student experience)
2021	Boulder – Pre-GLE Planning Meeting (Working Groups (WG) meetings, Region Coordination Offices (RCO) meetings, International GLE Advisory Committee (IGLEAC) meeting, student experience)
2022	GLOBE Learning Expedition (GLE) – Location TBD
2023	Boulder – Annual Meeting (regular annual meeting open to all community members, WGs meetings, RCOs meetings, student experience)
2024	Other location – Annual Meeting (regular annual meeting open to all community members, WG meetings, RCO meetings, student experience)
2025	Boulder -- Pre-GLE Planning Meeting (WGs meetings, RCOs meetings, IGLEAC meeting, student experience)
2026	GLOBE Learning Expedition (GLE) – Location TBD
2027	Boulder – Annual Meeting (regular annual meeting open to all community members, WGs meetings, RCOs meetings, student experience)
2028	Other location – Annual Meeting (regular annual meeting open to all community members, WGs meetings, RCOs meetings, student experience)
2029	Boulder -- Pre-GLE Planning Meeting (WGs meetings, RCOs meetings, IGLEAC meeting, student experience)
2030	GLOBE Learning Expedition (GLE) – Location TBD

**Q2:** How do we estimate uncertainty of the data? **(Genevieve de Messieres)**

**A2:** Some of that depends on which parameter you are evaluating. There are more than 50 types of observations, including the 4 in GLOBE Observer (clouds, mosquito habitats, trees, and land cover).

In our recent publication, “[Eclipse Across America: Citizen Science Observations of the 21 August 2017 Total Solar Eclipse](#)” the paper describes how to use citizen science data for analysis and we also compared observations to local ground stations. **(Jessica Taylor)**

**Q3:** Will Globe data be the main discussion of this Webinar? **(Sarah Busen)**

**A3:** Yes, this webinar focuses on how to get GLOBE data.

**Q4:** Are the tutorials in other languages? **(Marta Kingsland)**

**A4:** Not at the moment, but we’d welcome help translating to support our international audiences. There are some GLOBE tutorials available in other languages, although this particular one has not been translated. Here’s the main translated materials page, <https://www.globe.gov/do-globe/translated-material>, and here is the Spanish page specifically, <https://www.globe.gov/do-globe/translated-material/espanol-spanish->. **(Kristen Weaver)**

**Q5:** Would suggest panelists provide a workshop for GLOBE teachers - just on Data retrieval/analysis in relation to a way that students can participate in the US Regional Student Research Symposiums and IVSS. (Lynne Hehr)

**A5:** The GLOBE Mission Mosquito has a couple of webinars on data and IVSS online (<https://www.globe.gov/web/mission-mosquito/overview/webinars>) (Cassie)

**Q6:** Does GLOBE have any tools for analyzing data? (Kay Rufty)

**A6:** Within vis.globe.gov there are charts and graphs of data. Otherwise downloading of data via ADAT or the API and using your analyzing tool of your choice is best for whatever your needs are.

**Q7:** How can I contribute to GLOBE Mission Mosquito program and what are the requirements for doing this program? (**Sumeet K**)

**A7:** Contact Dorian Janney at [dorian.w.janney@nasa.gov](mailto:dorian.w.janney@nasa.gov).

There is also more information at <https://www.globe.gov/web/mission-mosquito> (**Kristen Weaver**)

**Q8:** I can translate to Spanish (**Marta Kingsland**)

**A8:** Contact [help@globe.gov](mailto:help@globe.gov) We will facilitate the translations with volunteers. (**Travis Andersen**)

**Q9:** Which type of observations needs special instruments for doing there obs. Mihaela from Romania. (**Mihaela Stretea**)

**A9:** With GLOBE Observer you can do most without special tools (other than a phone). (Clouds, LandCover, Trees). You can do a portion of Mosquitoes, but will need a closeup lens to identify specific genera.

<https://www.globe.gov/do-globe/globe-teachers-guide> for a list of protocols and information

**Q10:** I attended a multi-day GLOBE workshop in Hampton, VA, circa 1998. I entered some data from the high school that I taught at then, but none since prior to teaching full-time at the local community college in 2004. Are my data still available? Are my protocol certifications still valid? (**Joe Joyner**) -- Has a current log in to the GLOBE site. I still have a current log in to the GLOBE site. OK. I would also like to follow up one what is available at NASA Langley

**A10:** If you are still local to Hampton, VA I'd be happy to reconnect you back with GLOBE!

There are several of us at NASA Langley involved in the program. You can contact me at [jessica.e.taylor@nasa.gov](mailto:jessica.e.taylor@nasa.gov). With that, yes, you're data should still be available and your certificates - but I would suggest checking out eTraining at

<https://www.globe.gov/get-trained/protocol-ettraining>. There have been some updates since 2004 :-)) and these training slides can help. (**Jessica Taylor**)

**Q11:** What are all the measurements that can be made at noon -solar in the globe Dr. Helen (**Adrian Oliveira Smilt**)

**A11:** Any measurement can be done at solar noon. The Teacher's Guide will specify which protocols require you to take observations at solar noon. None of the GLOBE Observer tools need to be taken at solar noon. <https://www.globe.gov/do-globe/globe-teachers-guide>