



GLOBE Professional Development for Educators



EDUCATORS: Want to receive 1.5 Continuing Education Units (CEU) / 15 Professional Development Hours (PDH) from the world recognized Institute of Electrical and Electronics Engineers (IEEE)?

Then attend this Global Learning and Observations to Benefit the Environment program (GLOBE.gov) workshop training. GLOBE is an international program that provides students and the public worldwide with the opportunity to participate in data collection and the scientific process, and contribute meaningfully to our understanding of the Earth system and global environment.

The GLOBE Program is offering Educators 2 two-hour trainings over 2 days in how to engage students grades 6-12 field research using GLOBE protocols.

At the end of training, participants will:

- Be a certified GLOBE-trained teacher
- Be a GLOBE community member
- Be able to conduct field research with students
- Be able to access a variety of grade-level GLOBE and NASA resources
- Receive continuing education units and professional development hours (**FREE**)



WHEN: Friday July 17th from 10 am - 12 pm (Hawaii time) Atmosphere & Biosphere
Saturday July 18th from 10 am - 12 pm (Hawaii time) Hydrosphere & Pedosphere

WHERE: Webinar - Virtual video platform (zoom)

WHO: Educators Grades 6-12, and Informal Educators



REQUIRED NEXT STEPS PRIOR TO THE VIRTUAL MEETING:

1. Go to the GLOBE website (globe.gov) and create a teacher account ([Get Started](#)),
2. **Sign up** for in-person (virtual) workshop at the University of Hawaii at Hilo training under ([Get Trained](#)). You will be sent a zoom connection number once you have registered.
3. Complete the following **BEFORE** the webinars
 - a. Protocol eTraining – [INTRODUCTION TO GLOBE](#)
 - i. Sphere Protocols: Complete the “Introduction” training for each – [Atmosphere](#), [Biosphere](#), [Hydrosphere](#), [Pedosphere](#)
 - ii. Then complete the following protocol training for each sphere:
 1. [Atmosphere](#) – Clouds, Air Temperature, Surface Temperature
 2. [Biosphere](#) – Tree Height, Green Up Tree/Shrub, Green Down Tree/Shrub
 3. [Hydrosphere](#) – Temperature, Transparency, pH, Dissolved Oxygen
 4. [Pedosphere](#) – Temperature, Soil Moisture Gravimetric, Soil Classification

Participants will be certified as GLOBE-trained teachers upon the completion of both the e-protocol training and the in-person (virtual) training.

Email Ryan Perroy at the University of Hawaii for further information and questions rperroy@hawaii.edu, or Tracy Ostrom, University of California Berkeley (GLOBE Trainer) at tostrom@berkeley.edu