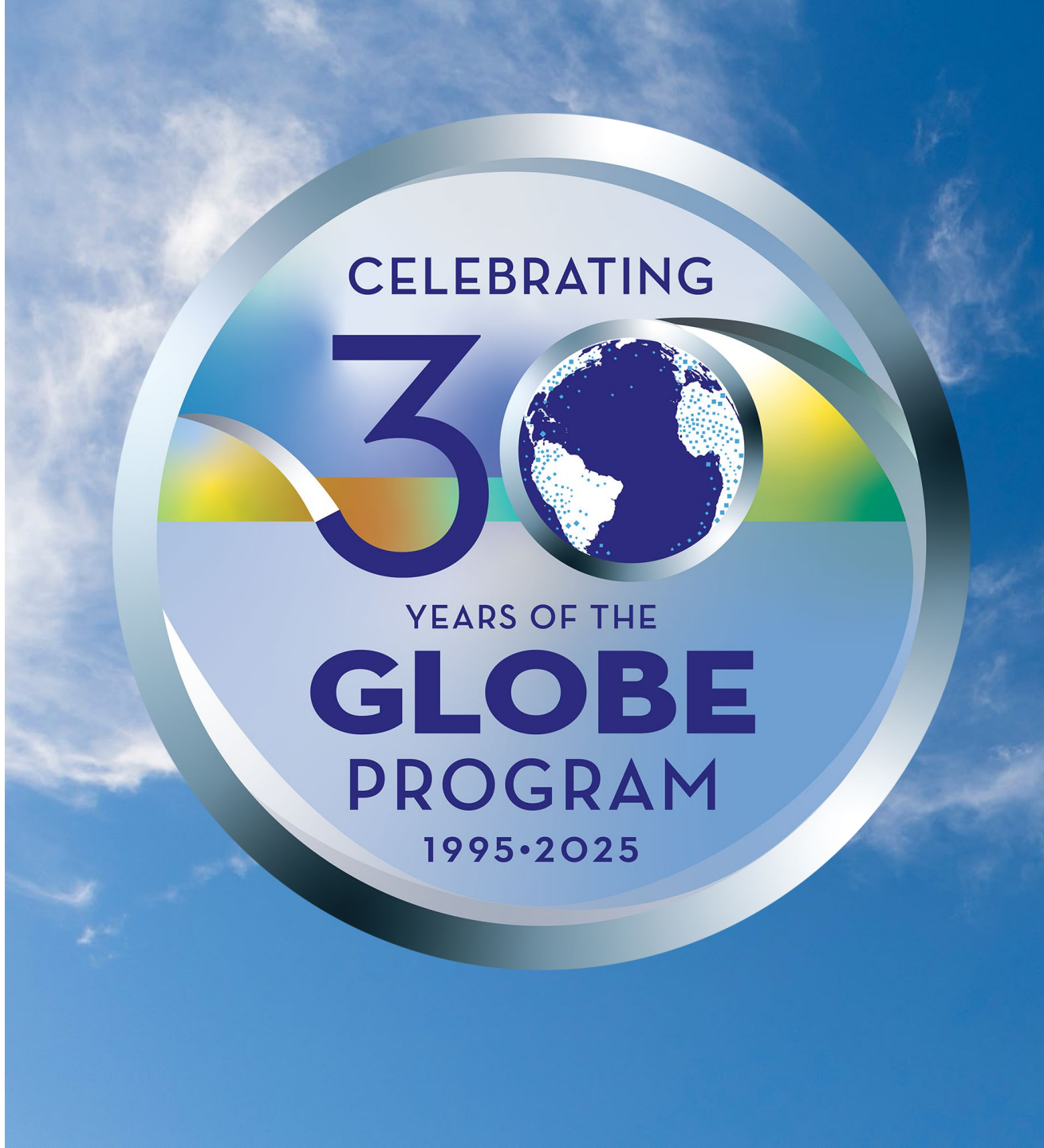
GLOBE Learning Session: Overview of GLOBE's New Data Collection eTraining Modules

13 January 2026

Sponsored by: NASA Supported by: NSF NOAA



Reminders As You Join Us Today

zoom Workplace

Sign in 00:02:28 View

Speaker
Gallery
Multi-speaker
Immersive

Sort gallery by
Follow host's video order
Set meeting wallpaper

Hide self view
Hide non-video participants

Hide meeting timers

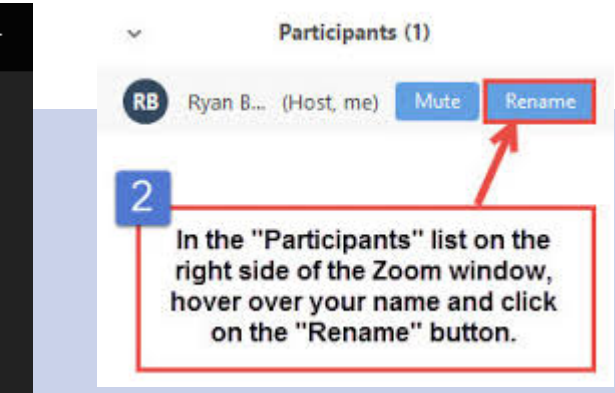
Fullscreen

Having tech issues?
Send a private chat message to Pilar Miranda or Carol Musallam or Email meetings@nasaglobe.org

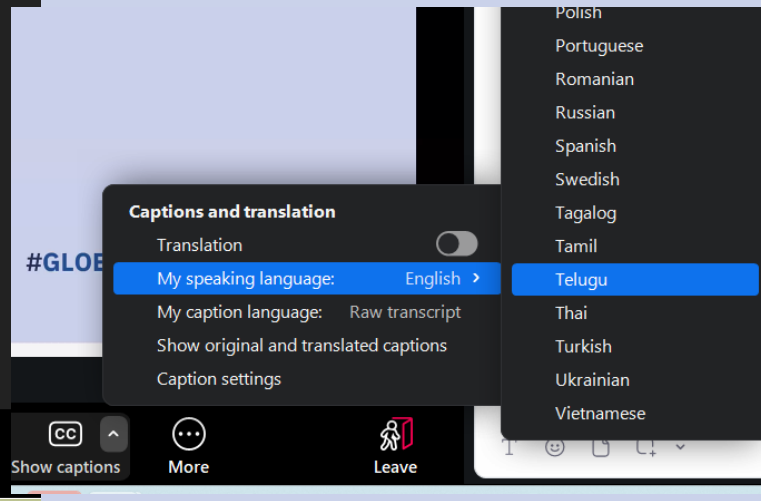
Say Hello in the Chat!

Activate Captions or Translations

Audio Video Participants 1 Chat React Raise hand Share Q&A More



Rename Yourself: Name, Country or Org, Role



GLOBE Learning Sessions

Goals

- Build on the July 2025 Annual Meeting and 30th Anniversary to **celebrate the GLOBE community**
- Continue to **strengthen the connections** across the GLOBE community
- Provide opportunities for GLOBE members to **learn from each other**
- Enhance **engagement with Earth Systems Science**
- Provide ideas and **opportunities to sustain GLOBE** in all regions

GLOBE Learning Sessions—Upcoming Sessions

- Follow the GLOBE Website (2025 Annual Meeting) and postings in Mighty Networks
- Upcoming sessions:
  - **UN Institute for Training and Research (UNITAR) Global Diplomacy Fellows**: 18 February 2026
  - **GLOBE Alumni Session 3: Actionable Alumni Engagement Resources and Strategies:** February 2026 (TBD)
  - **Lake Observations from Citizen Scientists and Satellites (LOCSS):** TBD

Agenda

Overview of data collection eTraining modules
Christi Buffington
Alison Mote
Cassie Soeffing

Breakout rooms

Debrief and wrap up

GLOBE NETWORK

Data Collection eTraining Overview

Presenters:

Christi Buffington, Alison Mote, Cassie Soeffing

January 13, 2026. GLOBE Implementation Office

GLOBE Data Collection eTraining

Understanding its significance and process

Systematic review of all GLOBE materials, including protocols, eTraining slides and learning activities

Selection of Mighty for Learning Management System; Presented “wire-frames” of tutorials that could be done “on-the-fly” for quality **data collection**

Selected 10 protocols that had NASA Mission connections; Adapted & Updated Field Guides; Conducted review & beta testing. Updated Powerpoints.

Ongoing feedback and continual improvement. Help build the GLOBE Network!

GLOBE Data Collection eTraining

Thank you

Reviewers
Kerry Ouellet
Leana Nordstrom
Kevin Czajkowski
Rusty Low
Cheryl Williams
Kyra Beneke
Brendan O'Connor
Abigail Haas
Hannah Mair

Reviewers
Guljemal Toshieva
Dave Overoye
Joe Wieclawek
Cornell Lewis
Haley Wicklein
Jennifer Bourgeault
Jodi Haney
Brian Campbell
Brianna Lind

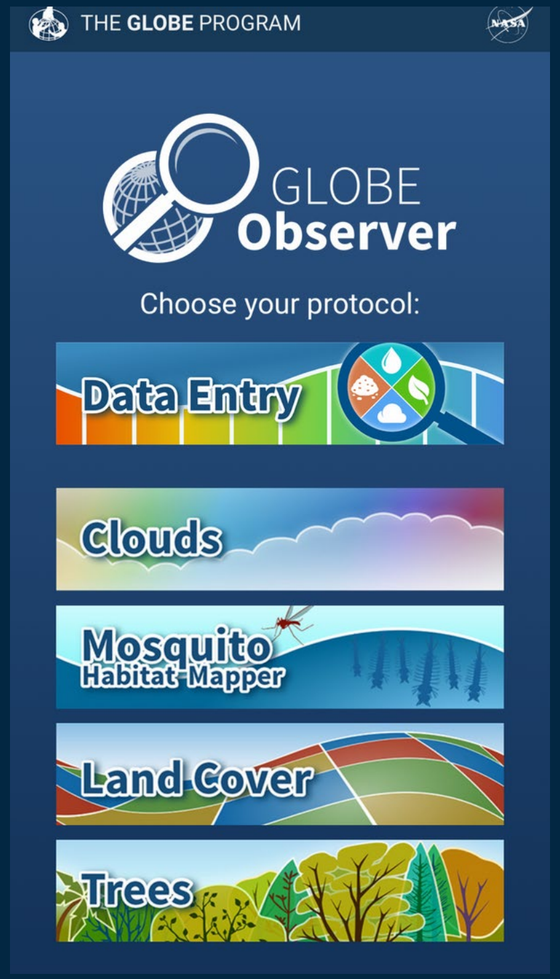
Beta Testers
Brianna Lind
Rusty Low
Becky Boger
Gillian Bayne
Dinorah Hudson
Lucy Robins
Larisa Schelkin
Haley Wicklein
Jennifer Bourgeault
Jodi Haney
Brendan O’Connor

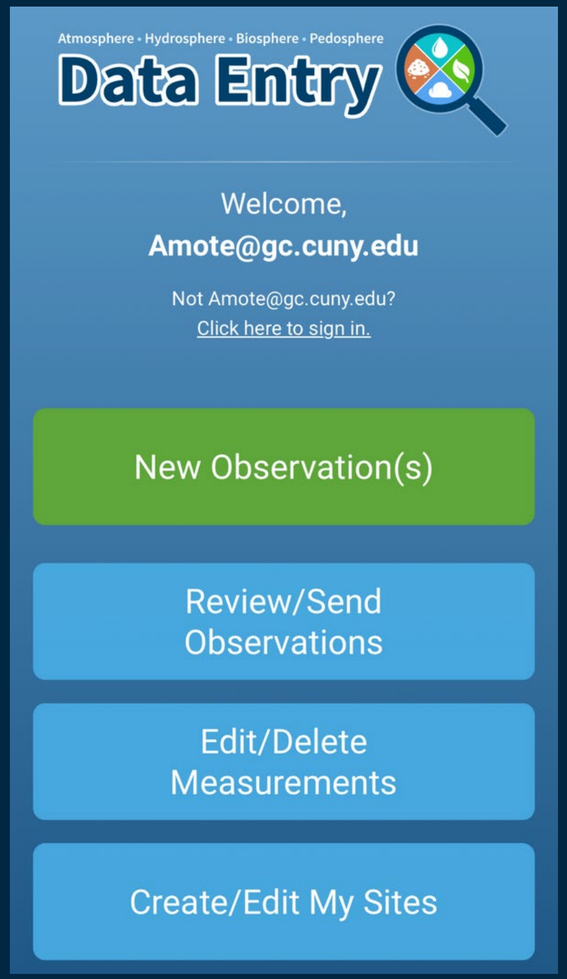
Pedagogy Guidance
Gillian Bayne
Dinorah Hudson
Lucy Robins
Cassie Soeffing
Alison Mote
Christi Buffington

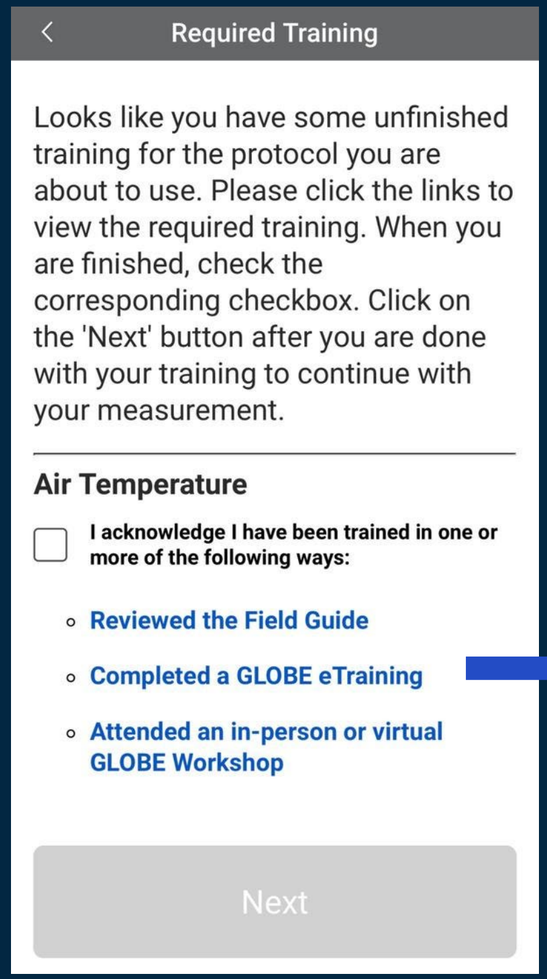
GLOBE eTraining:

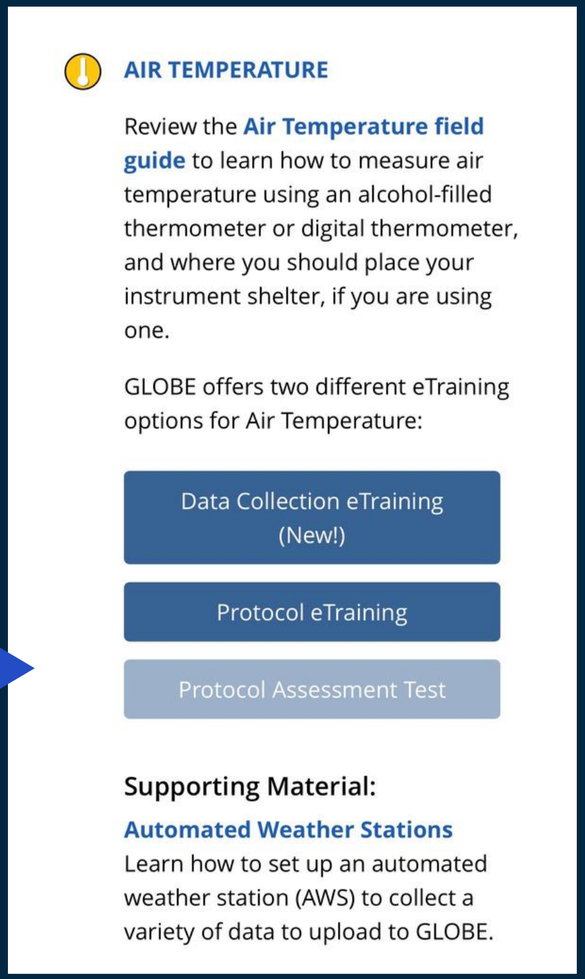
Protocol eTraining and GLOBE Data Collection eTraining

GLOBE eTraining Options Available on GLOBE.gov





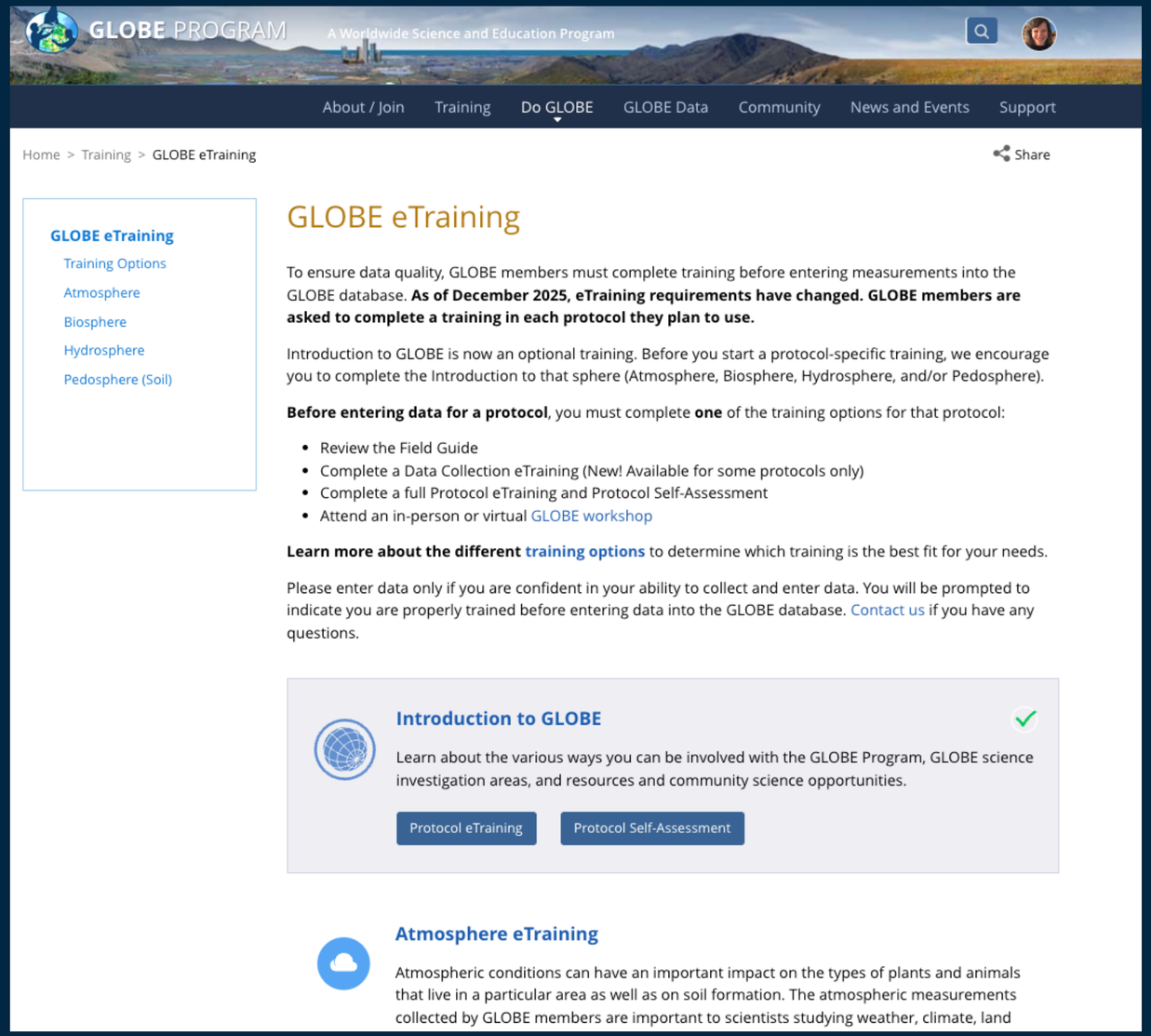


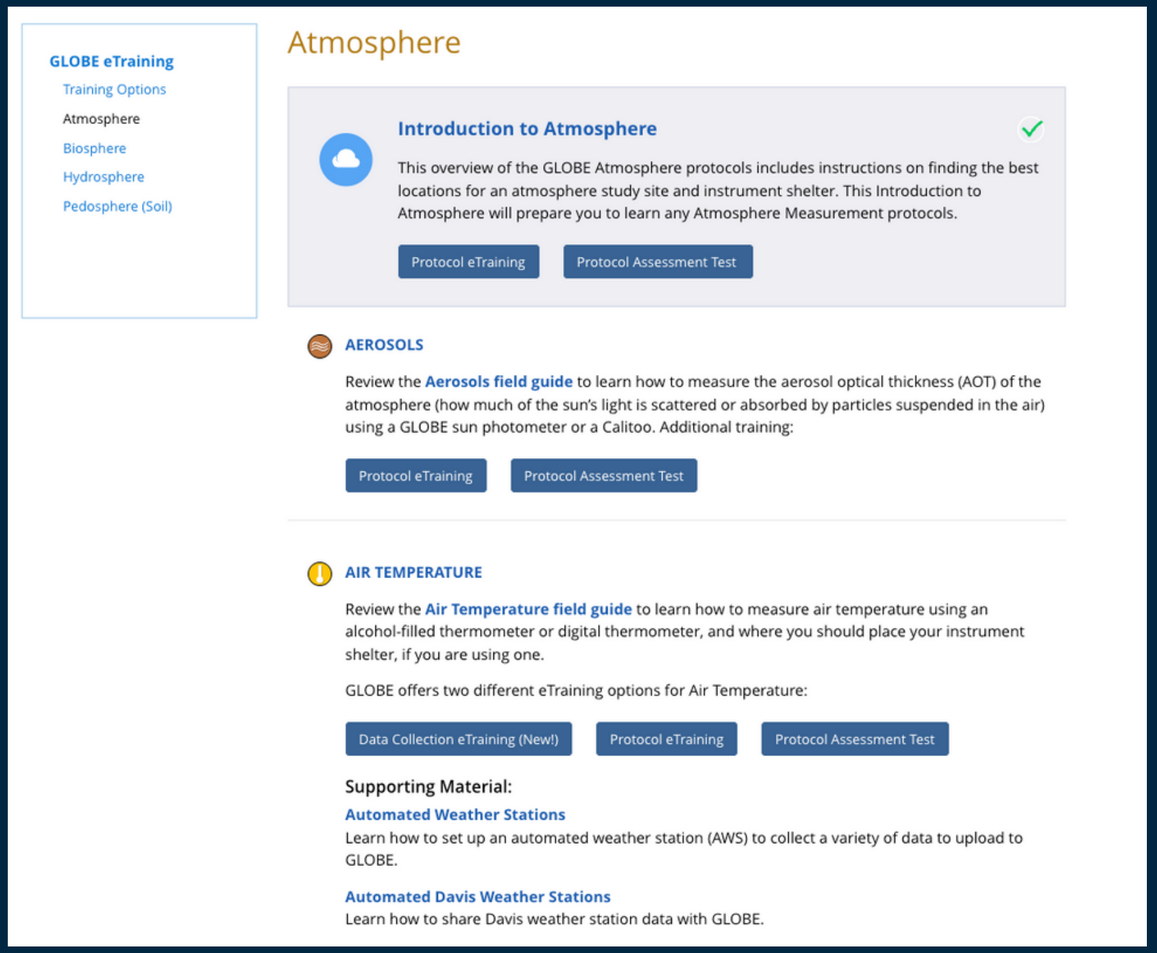


Updated Requirements for Data Entry:

- Review the Field Guide
- Full Protocol eTraining and Self-Assessment
- Data Collection eTraining in the GLOBE Network (available for a selection of protocols)

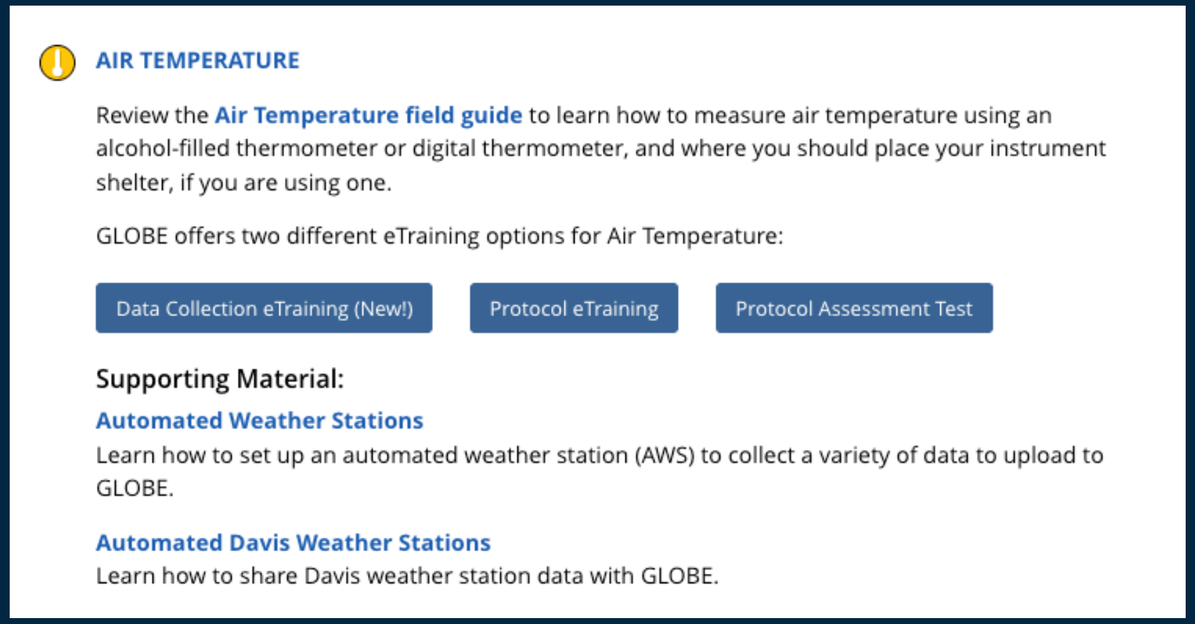
GLOBE eTraining Options Available on GLOBE.gov





- Full Protocol eTraining and Self-Assessment
- Data Collection eTraining in the GLOBE Network

Choosing the eTraining Pathway to Fit Your Needs



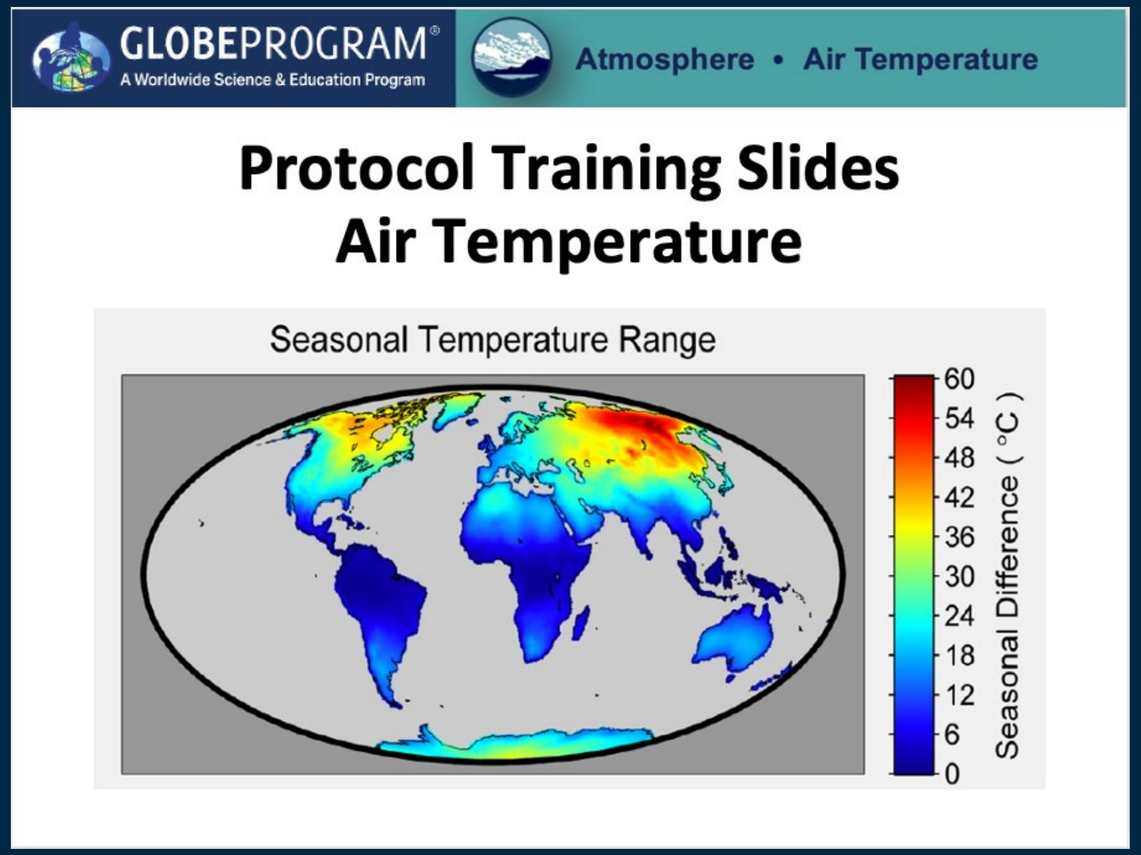
Data Collection eTraining (New!):

- Preparing to collect data in the field in a streamlined way
- Reviewing field procedures and data entry steps
- On-the-go and self-paced

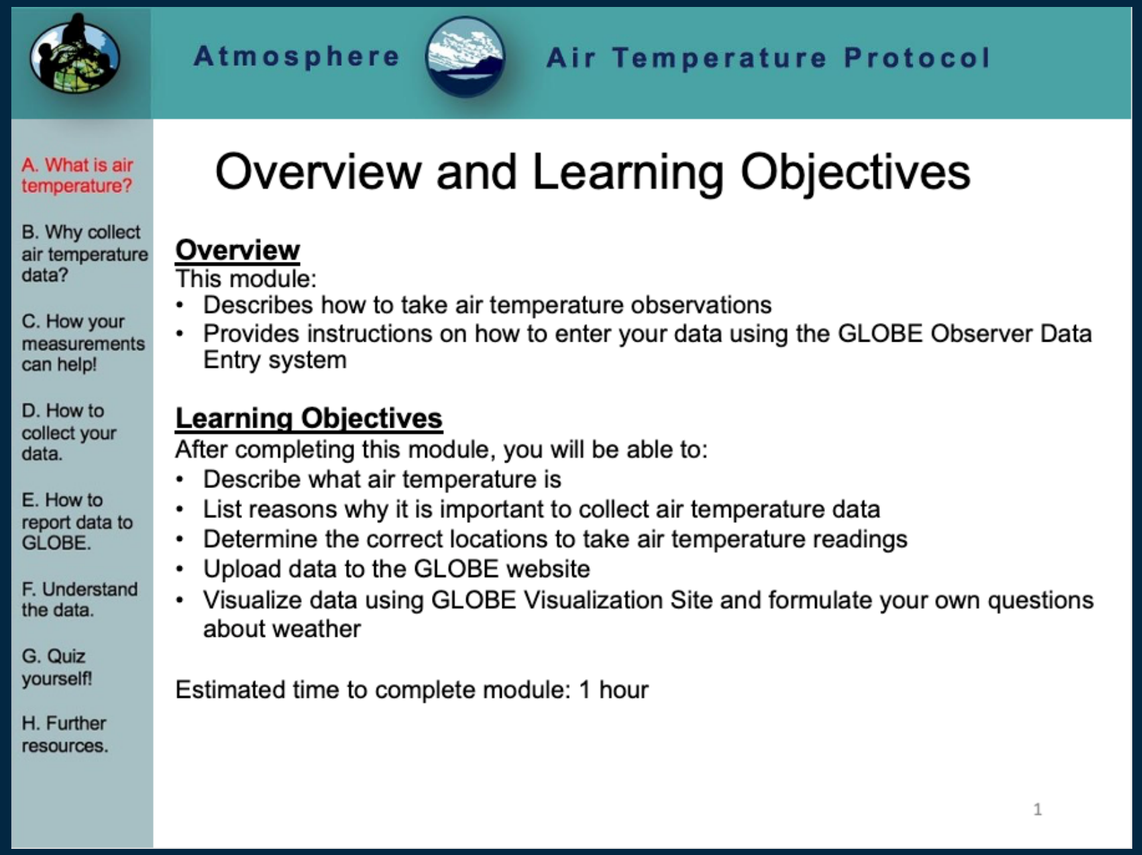
Full Protocol eTraining:

- Developing conceptual knowledge
- Working with students to provide background knowledge
- Stimulate ideas for research questions

Full Protocol eTraining and Self-Assessment (Traditional Protocol eTraining)

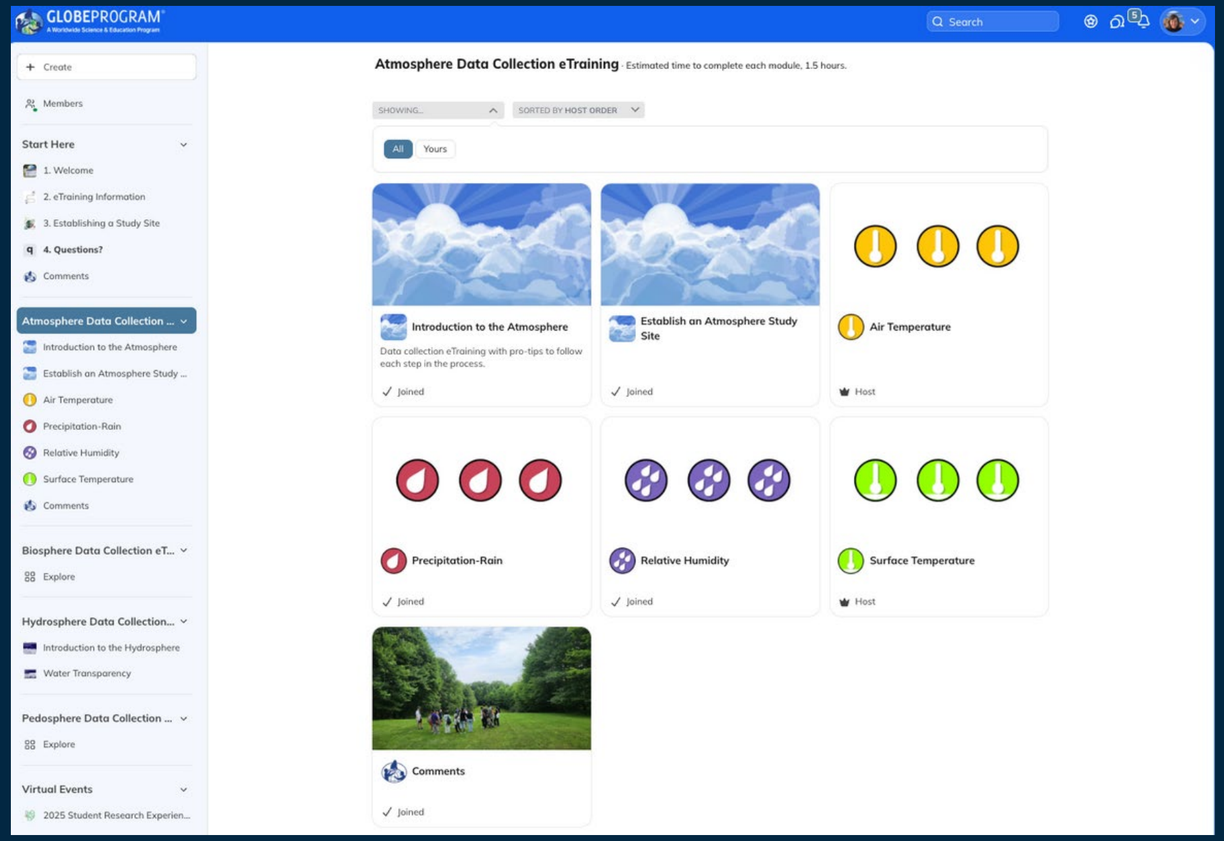


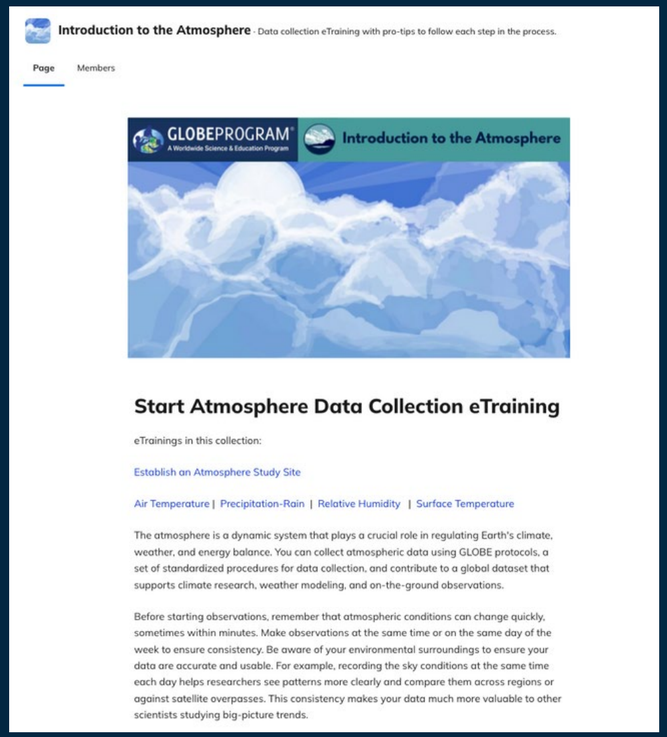
Provides a broad conceptual foundation of the protocol and sphere, including potential research questions.

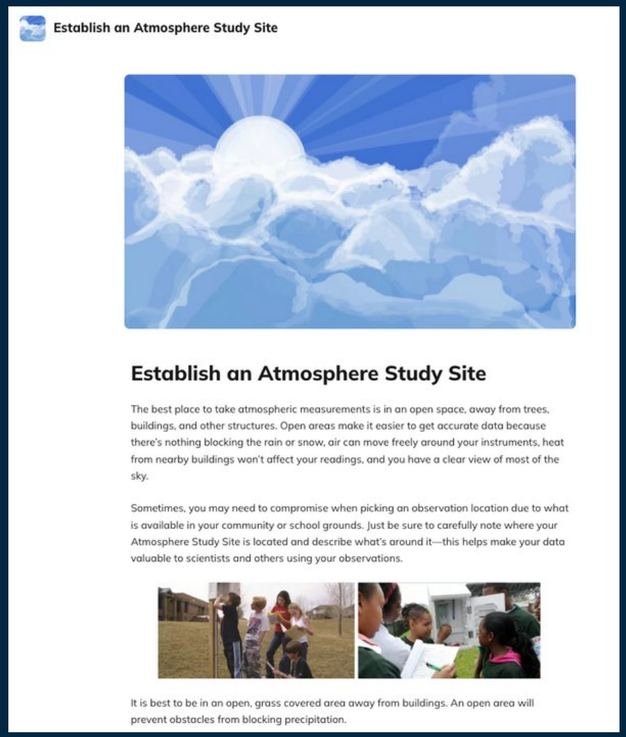


- PowerPoint slides
- PDFs of slides (508 compliant) Coming soon!
- Corresponding assesssment test
- Available for all protocols

Data Collection eTraining in the GLOBE Network (NEW Option!)







Provides a focused training to prepare for data collection and data entry.

Each eTraining follows a similar format, beginning with an Introduction to the sphere and how to establish a study site.

Data Collection eTraining

Atmosphere:

- Introduction
- Establish a Study Site
- Air Temperature
- Precipitation-Rain
- Relative Humidity
- Surface Temperature

Biosphere:

- Introduction
- Establish a Study Site
- Graminoid biomass
- Tree height
- Vegetative Covers (Ground Cover)

Hydrosphere:

- Introduction
- Establish a Study Site
- Water Transparency
- Water pH
- Water Temperature

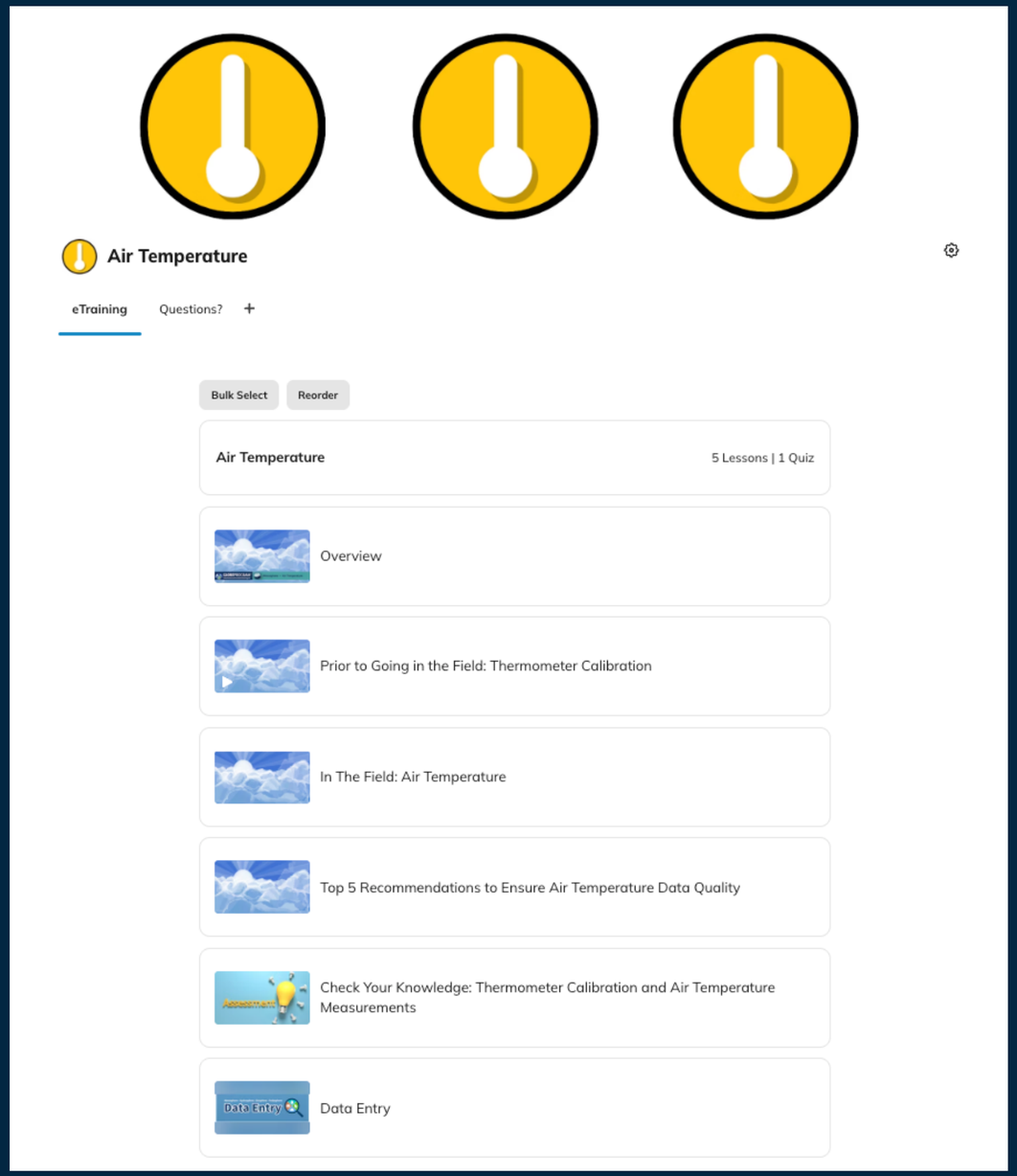
Pedosphere:

- Introduction
- Establish a Study Site
- Soil Moisture-Gravimetric
- Soil Temperature

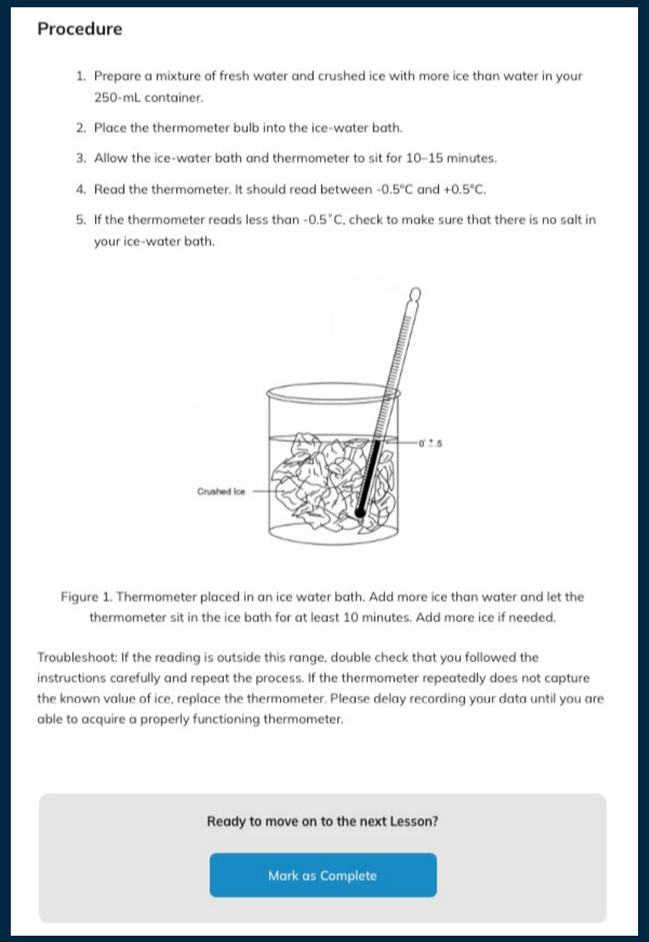
Data Collection eTraining in the GLOBE Network

Data Collection eTraining format:

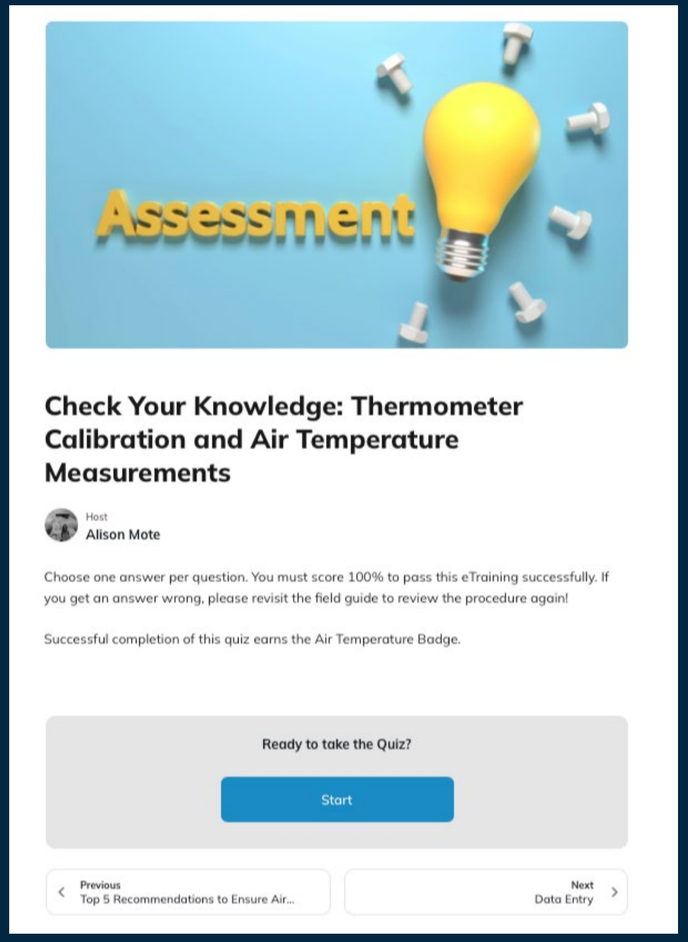
- Protocol overview
- What to do before going in the field
- How to collect data in the field
- Top 5 recommendations to ensure data quality
- Quiz
- Data entry steps



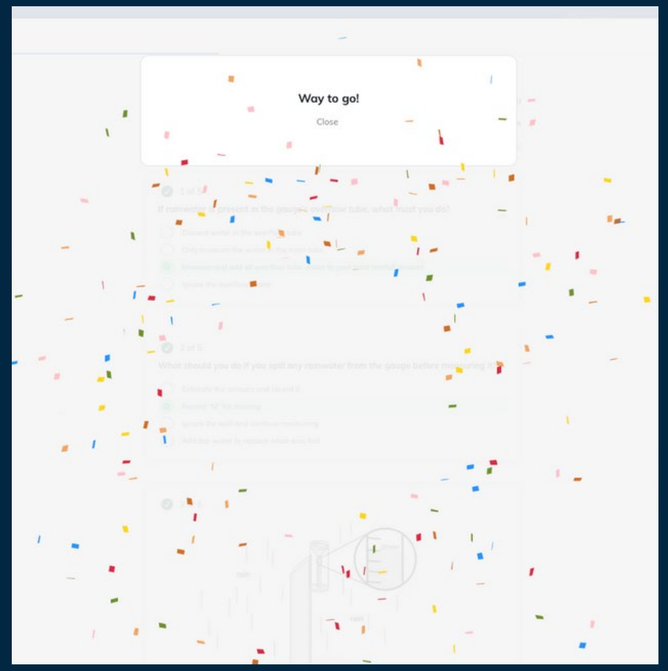
Earn Badges for Each eTraining Completed!

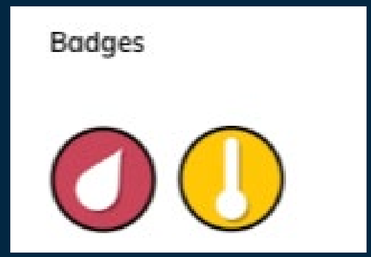


Click "Mark as Complete" at the end of each page to progress through each eTraining.



Take the short quiz at the end of each eTraining.





Earn badges for each eTraining completed!

Data Entry: Step-by-Step Instructions

Data Entry

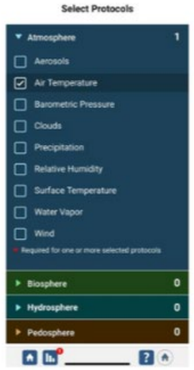
Host
Alison Mote

Enter your observations online on the GLOBE Observer Data Entry system using your GLOBE or GLOBE Observer login.

The steps below will walk you through entering your air temperature data in the GLOBE Observer App.

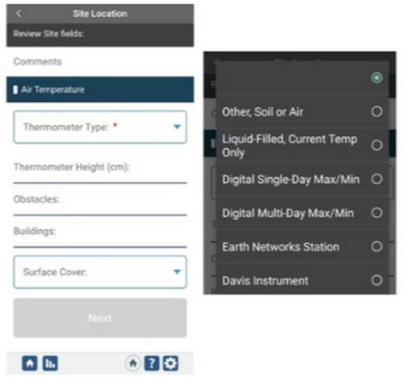
1. Click "New Observation(s)."

2. Click on the arrow next to "Atmosphere" and select "Air Temperature".



3. Click "Continue" at the bottom of the screen. You will then be prompted to enter the site location (latitude, longitude, and elevation). Choose an existing site or identify a new site by clicking "+ New Site Location" to add a new site.

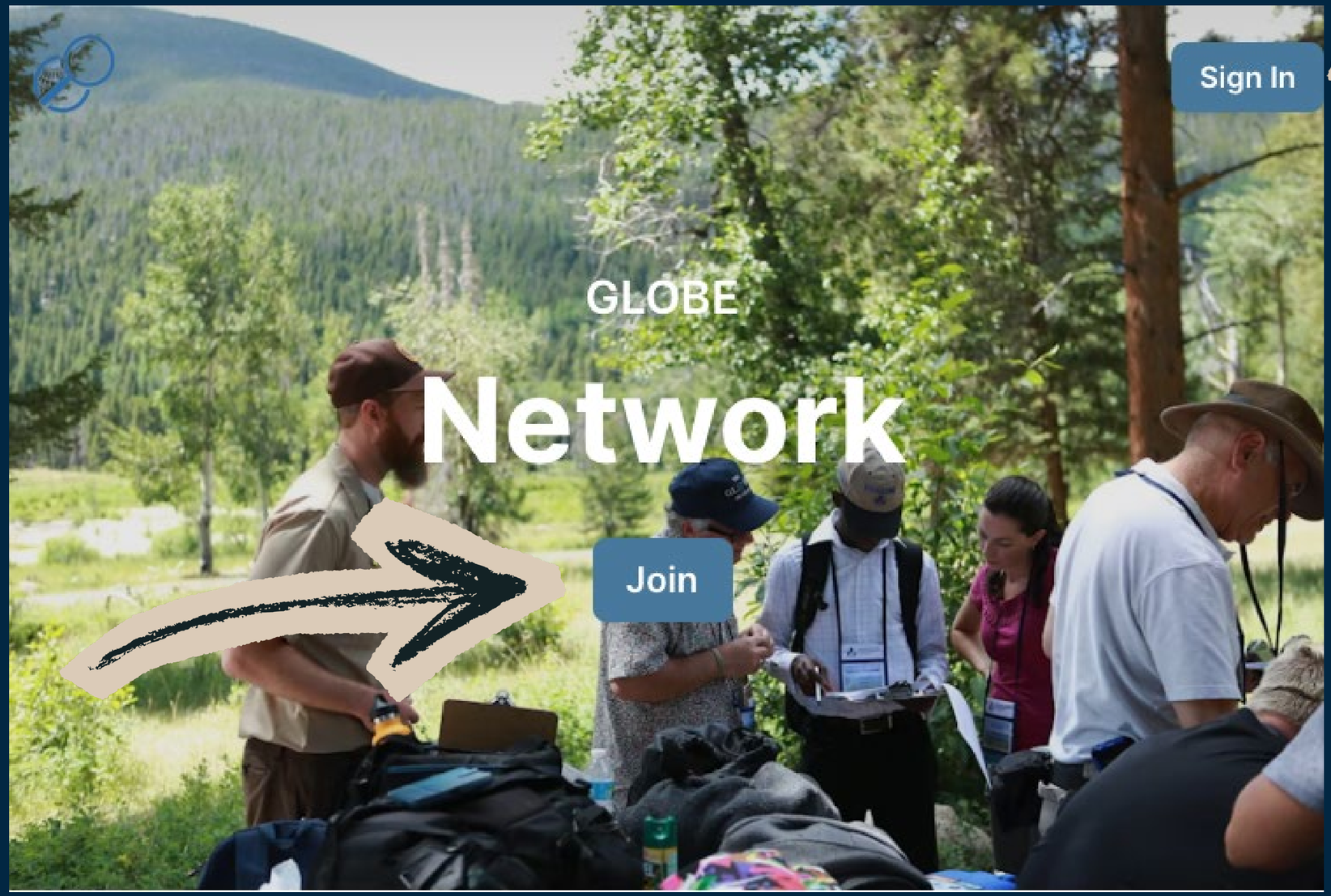
4. Select the Thermometer Type (see figure on the right for options). Enter the thermometer height (cm) and be sure to note any obstacles or buildings near the thermometer. Select the type of surface cover (artificial turf, asphalt, concrete, etc.).



Each eTraining includes step-by-step instructions for data entry, preparing you to enter quality data.

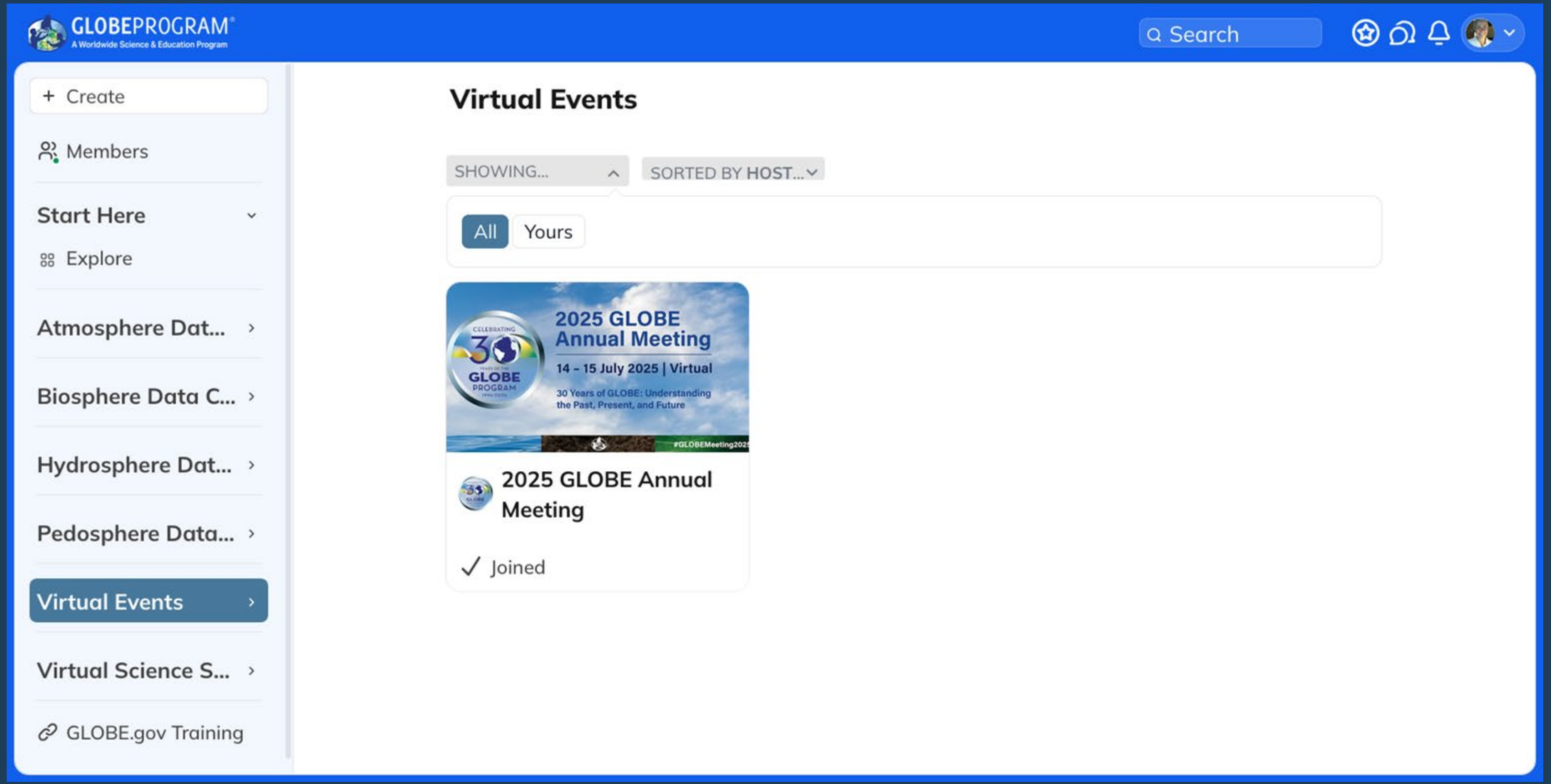
Landing page

my-globe.mn.co



- Landing Page
- Navigating, Viewing (joining), eTraining

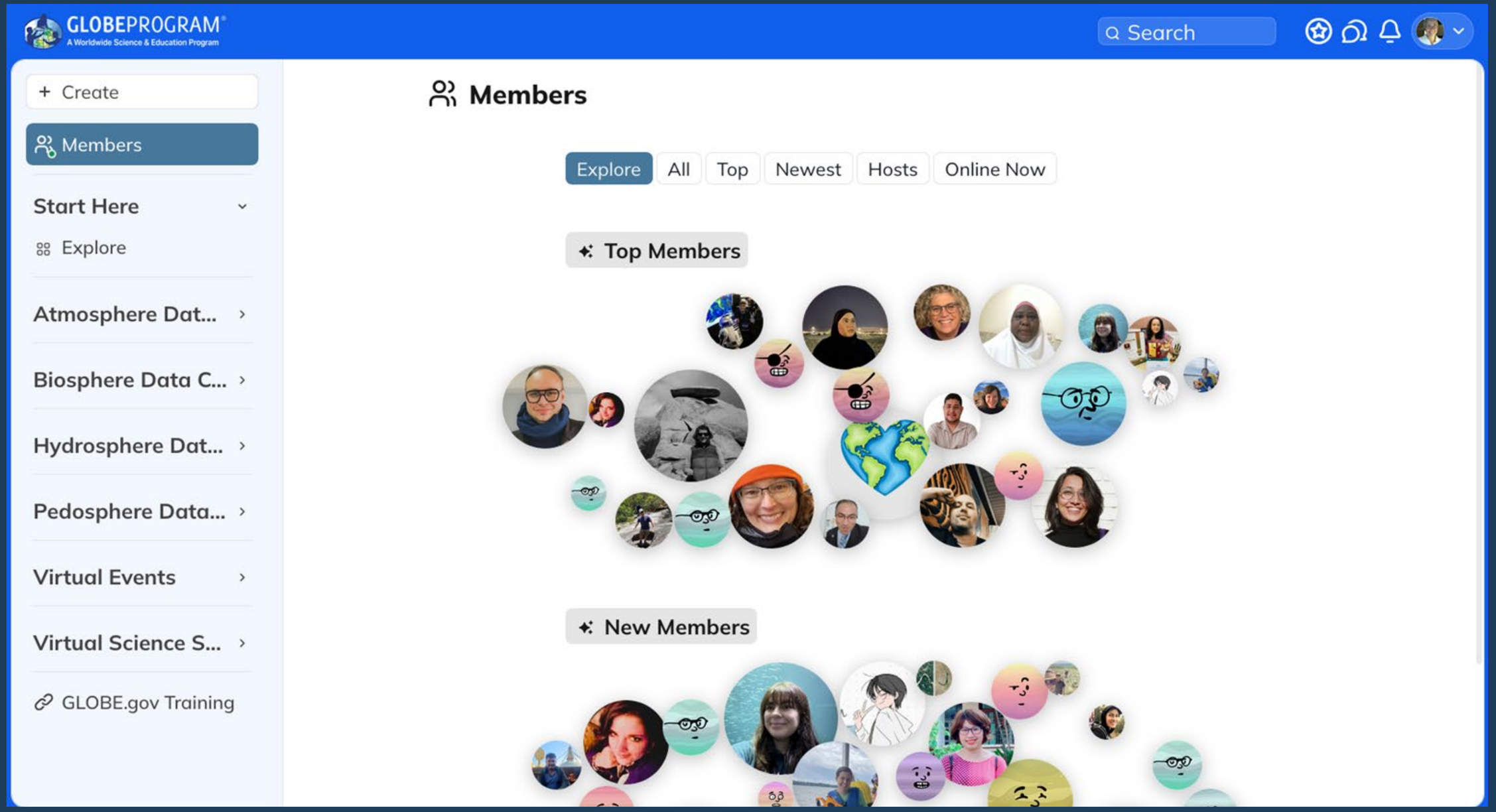
Returning user view



- Landing Page
- Navigating, Viewing (joining), eTraining

New user view

check your email to verify your email address.

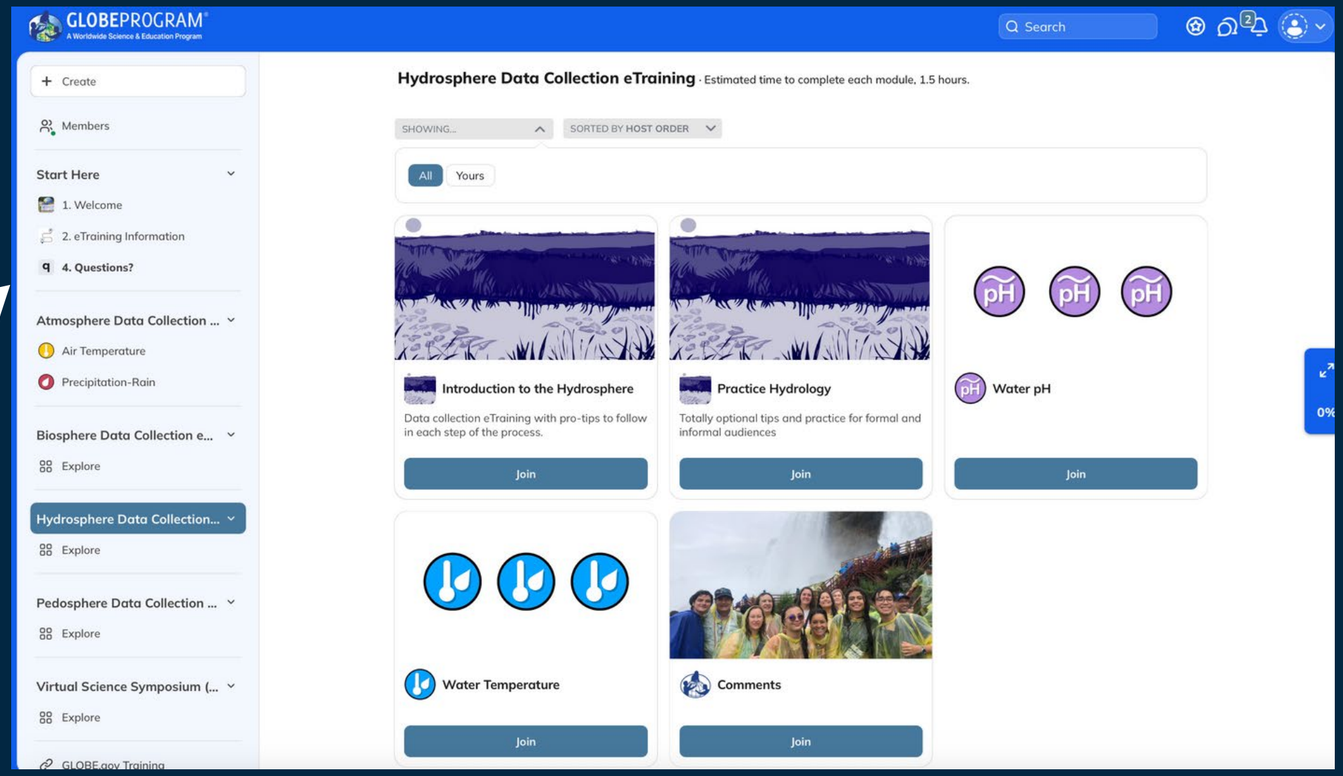


Breakout Rooms: Time to Explore!

Now it's time for you to explore!

1) Log in to the GLOBE Network:
   - Go to my-globe.mn.co
   - Log in using the same credentials as your Annual Meeting account OR create an account

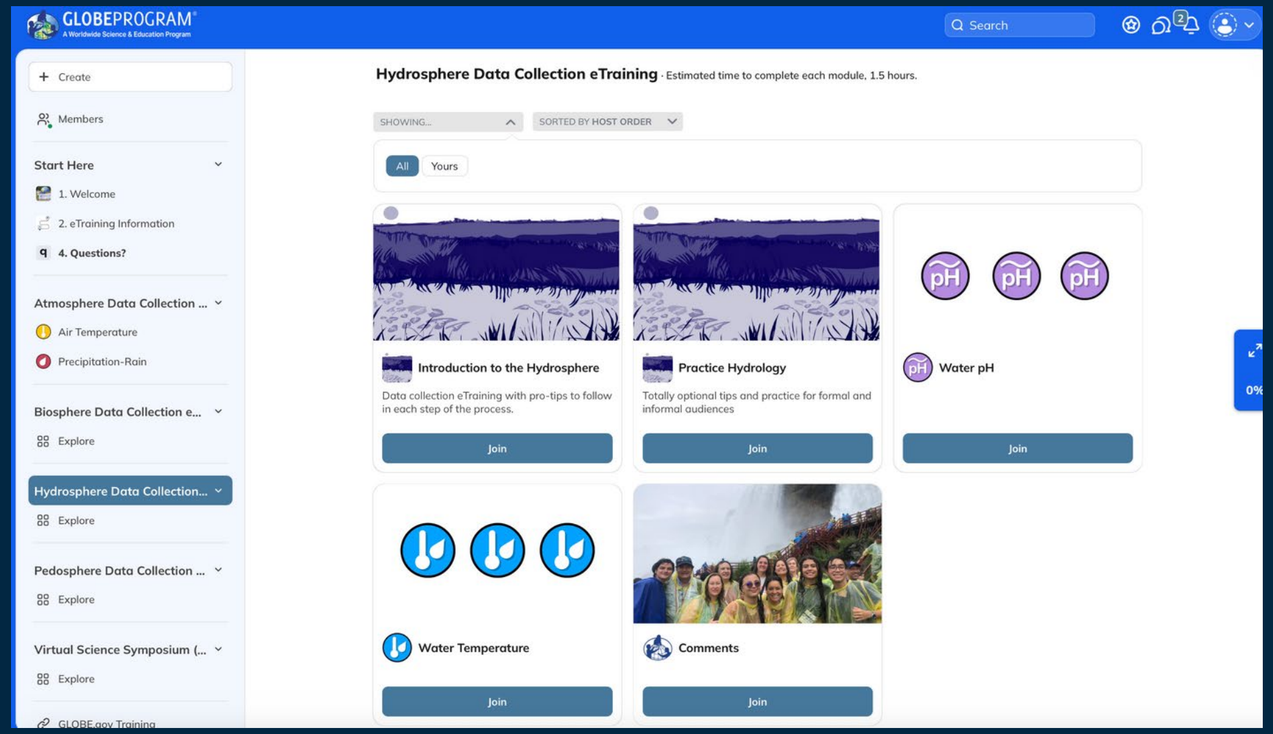
2) Click on a menu option on the left
   - Join an eTraining
   - Explore
   - Ask questions in "Start Here" → "4. Questions?"



Breakout Rooms: Discuss and Debrief

What did you discover?

What questions do you have?



Summary

- Log in using credentials from the Annual Meeting
- Create your GLOBE Network account (we recommend using your GLOBE login and password)

Select the eTraining Sphere and Protocol of interest.

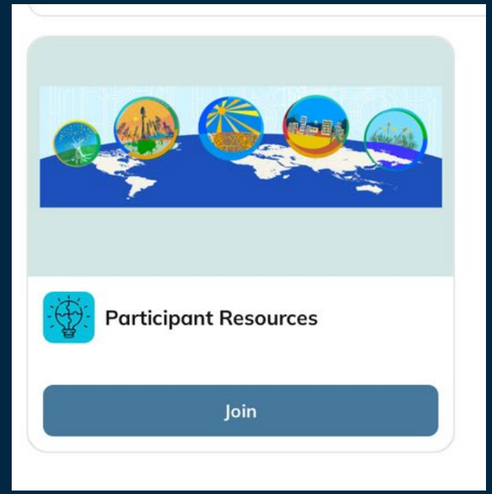
Complete the lessons and pass the quiz to earn the eTraining Badge.

GLOBE Observer app ...

Coming in February: Virtual Science Symposium (VSS) in the GLOBE Network

Projects submitted to the 2026 Virtual Science Symposium (VSS) will be showcased in the GLOBE Network!

- Access all projects
- STEM Reviewer feedback

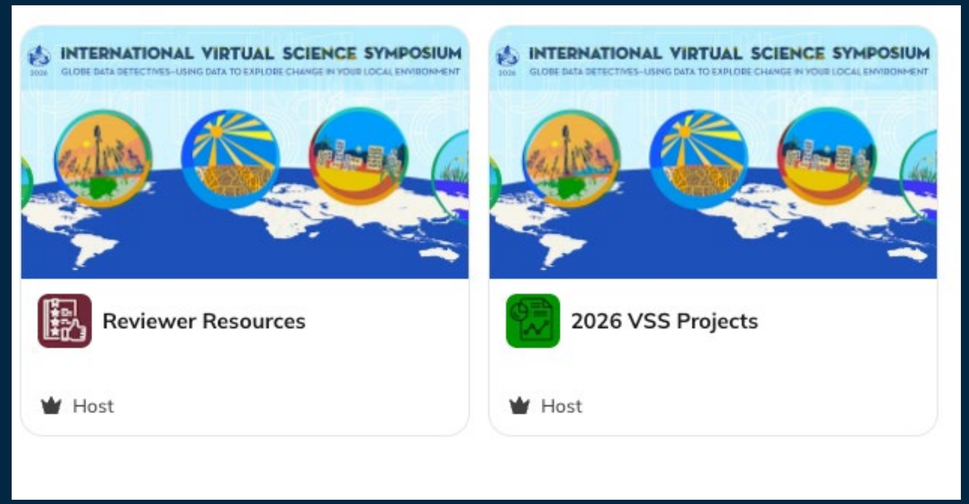


Deadline to submit a project is 30 January!

Join VSS Participant Resources now to ask questions and explore resources!

Coming soon*:

- Reviewer Resources
- 2026 VSS Projects



Please complete our feedback survey:
go.edc.org/1pgAAA

THANK YOU!

Sponsored by: NASA Supported by: NSF NOAA