



GLOBE SPARKS: Scaling GLOBE through an Online Course

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GLOBE Annual Meeting July 2024

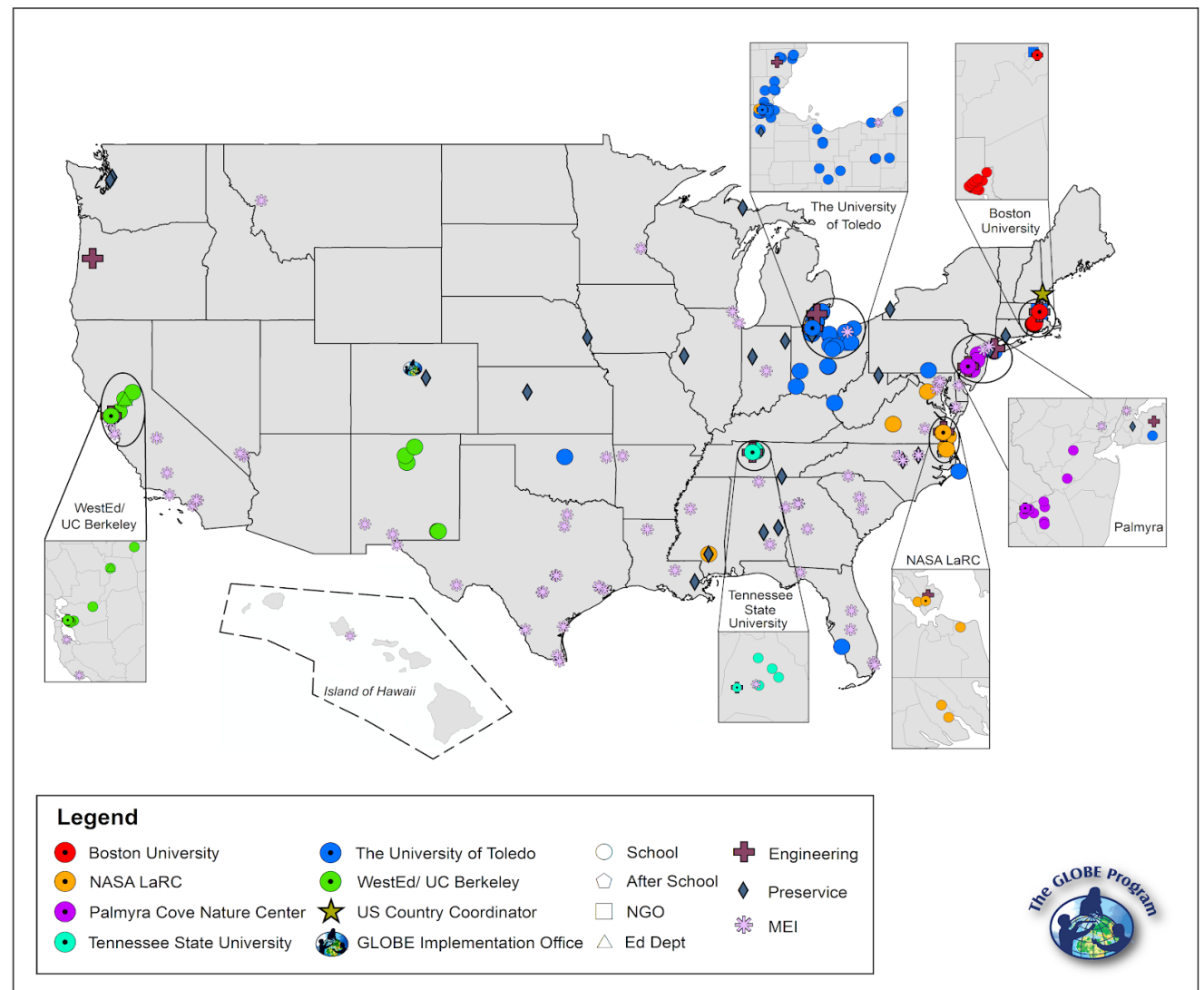




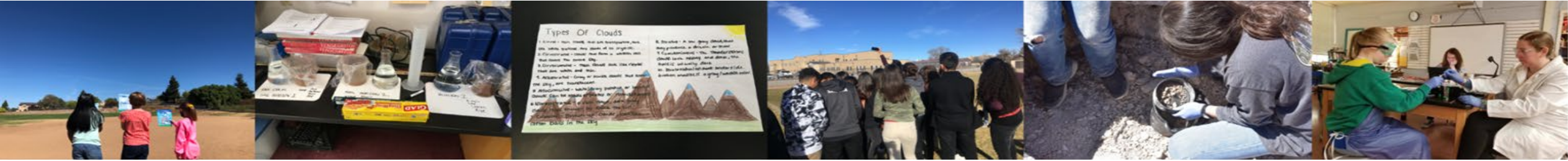
GLOBE Mission Earth



- A collaborative of GLOBE partnerships funded by NASA to increase involvement in the GLOBE Program and to incorporate NASA assets into student learning.
- Seeking opportunities to scale GLOBE with limited resources.



Purpose and Structure



- Designed to provide a **welcoming and guided asynchronous entry** to GLOBE, to **complement** the GLOBE website and other trainings, and to point to existing tools.
- Developed **in coordination** with GLOBE US Country Coordinator and DIS.
- Intended to **facilitate scaling**, given limited partnership resources.
- Incorporates **other NASA resources** like My NASA Data.
- Supports **integration** of resources into curriculum.
- Supports the full research process, including **data analysis**.
- **Key sections:** 10 modules (including introductory modules and science-related modules); navigation bar with resources to reference; journal for reflection; resource library.



Module 1	Orientation
Module 2	Who is this Course for?
Module 3	Joining the GLOBE Community and Accessing Resources
Module 4	Doing Science through GLOBE - Introducing our Structure
Module 5	Observing the World
Module 6	Asking Questions and Planning and Carrying out Investigations
Module 7	Working with Data – Uploading, Downloading, Analyzing, and Interpreting
Module 8	Constructing Explanations and Communicating Conclusions
Module 9	Preparing to Create a GLOBE Lesson Plan
Module 10	Planning to Create a GLOBE Project



Learning Design

- 🔗 **Equity centered:** equity paper plus tips throughout
- 🔗 Contributors who reflect a **variety of backgrounds**
 - Teacher and student **personas**; lots of visuals
- 🔗 Teachers introduced to **key strategies** aligned to the GLOBE Research Process, as seen to the right
- 🔗 **Basic information** plus "going deeper" sections
 - Theme for **coherence:** Urban Heat Island Effect
- 🔗 **Journal** for reflection
- 🔗 **Self-paced**, but facilitators may provide a preferred progression
- 🔗 GLOBE/NASA **lesson or project** at the end
- 🔗 **Certificate of Completion**





Timeline

- **First draft of full course complete** – July 14, 2024
- **Pilot with GME teachers** – fall/winter 2024
- **Full Launch** – spring/summer 2025

JOIN US AT THE SHARATHON TO SEE THE COURSE!





THANK YOU!

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For more information visit www.globe.gov

