

2025 RCO Highlights

10 December 2025

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**Sarah Prusik, Pilar Miranda, or
Evangeline Ambat**
or
Email meetings@nasaglobe.org

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the Chat!**



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Participants (1)

RB Ryan B... (Host, me) Mute Rename

2

In the "Participants" list on the right side of the Zoom window, hover over your name and click on the "Rename" button.

**Rename Yourself:
Name, Country or
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Captions and translation

Translation

My speaking language: English >

My caption language: Raw transcript

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#GLOBE

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GLOBE Learning Sessions: Goals

GLOBE Learning sessions:

- 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 Events



- Follow the [GLOBE Website](#) (2025 Annual Meeting) and postings in Mighty Networks
- Upcoming sessions:
 - **eTraining Updates**, 13 January 2026
 - **GLOBE Alumni Session 3: Actionable Alumni Engagement Resources and Strategies**, January/February 2026
 - **UN Institute for Training and Research (UNITAR) Global Diplomacy Fellows**: February 2026
 - **Lake Observations from Citizen Scientists and Satellites (LOCSS)**, TBD



Agenda

Welcome and Introductions

Jackie DeLisi

Highlights from RCOs

Mark Brettenny (Africa)

Desh Bandhu (AP)

Dana Votápková & Lenka Kleger (EE)

Mariana Savino (LAC)

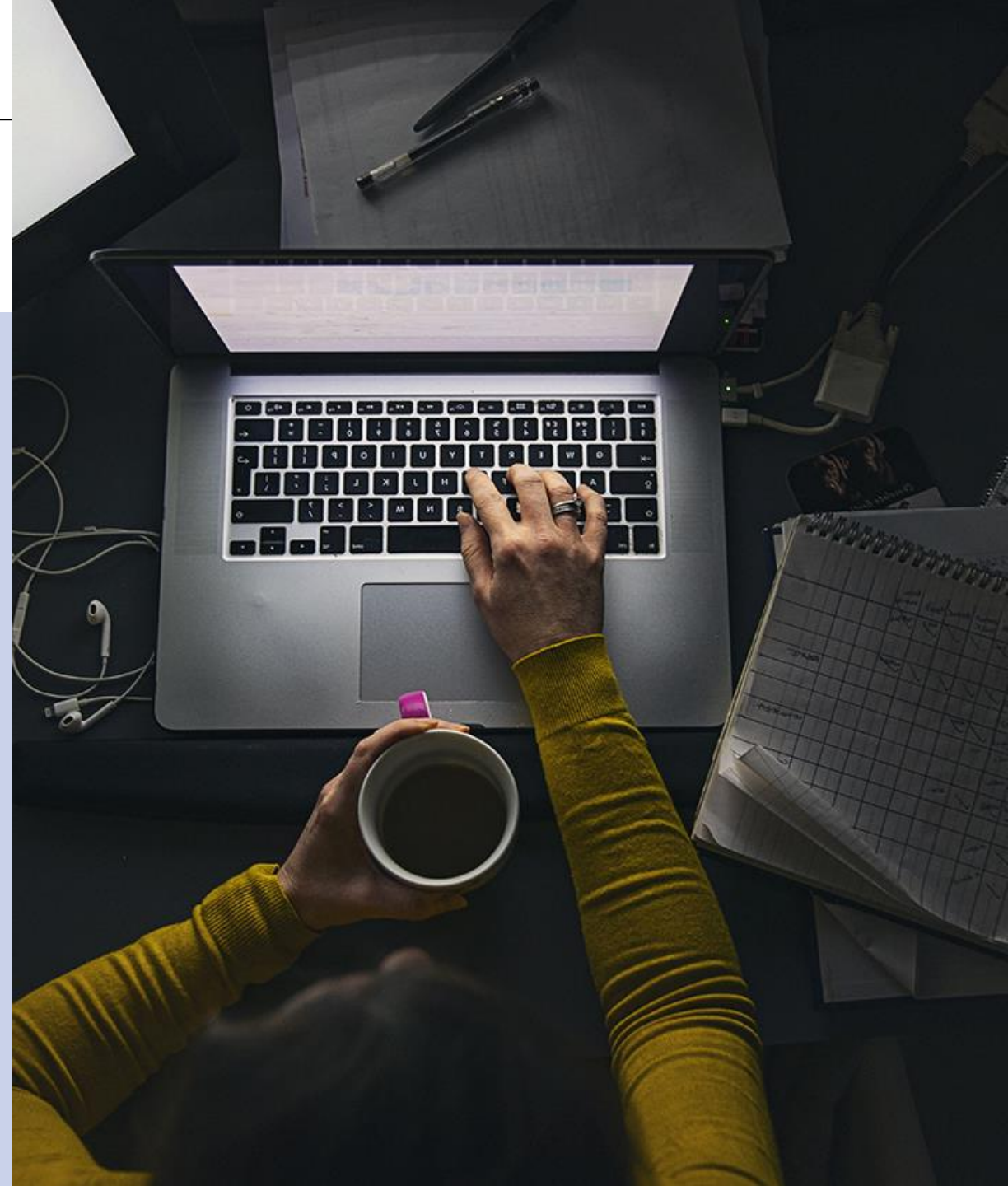
Salma Ahmad Al Zubi (NENA)

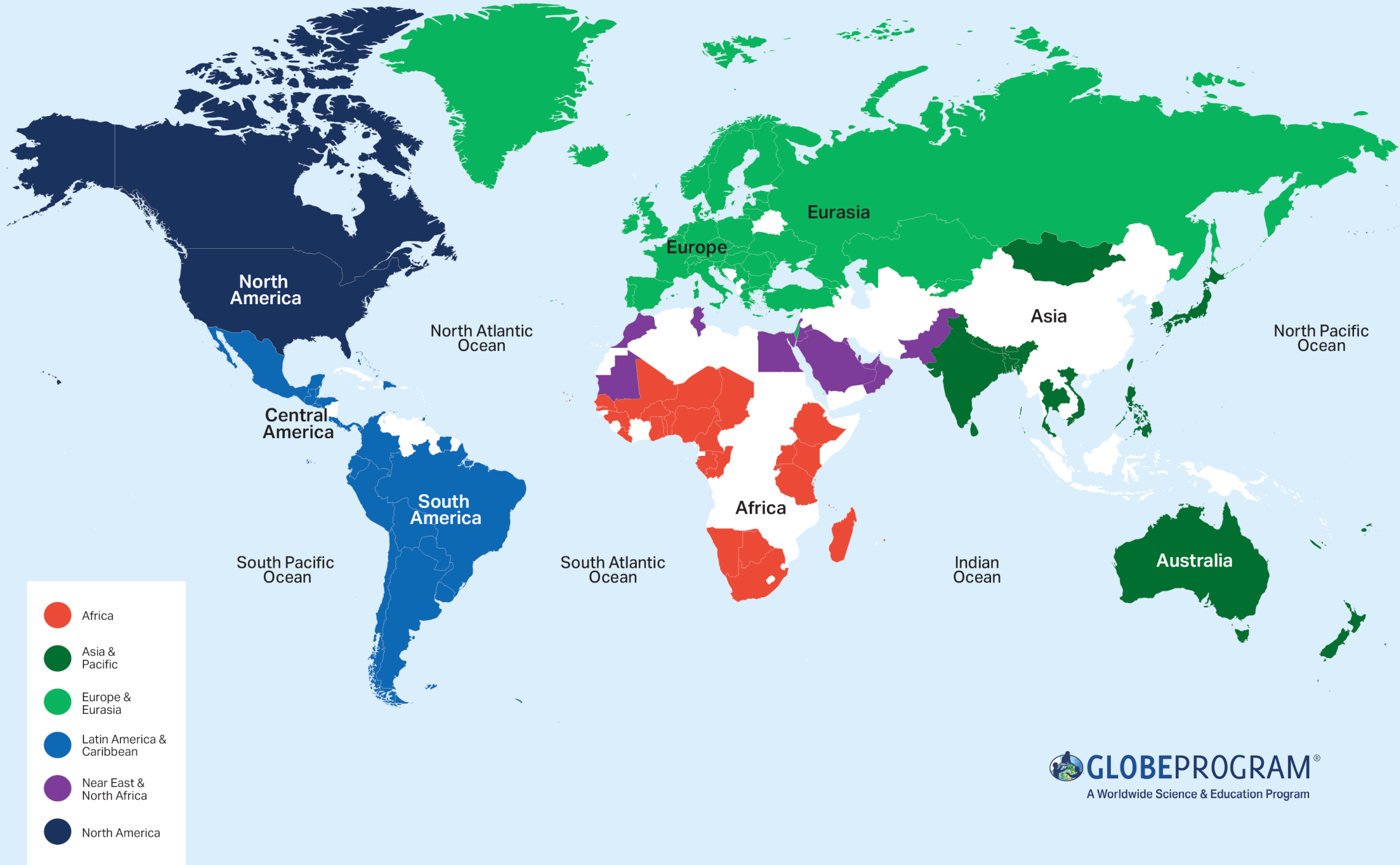
Jennifer Bourgeault (NA)

Q&A

Closing Remarks and Wrap Up

Rebecca Lewis





GLOBE Regional Coordination Office (RCO) Representatives



**Mark
Brettenny**

Africa



**Desh
Bandhu**

**Asia and
Pacific**



**Dana
Votápková**

**Europe and
Eurasia**



**Lenka
Kleger**

**Europe and
Eurasia**



**Mariana
Savino**

**Latin America
and Caribbean**



**Salma Ahmad
Al Zubi**

**Near East and
North Africa**

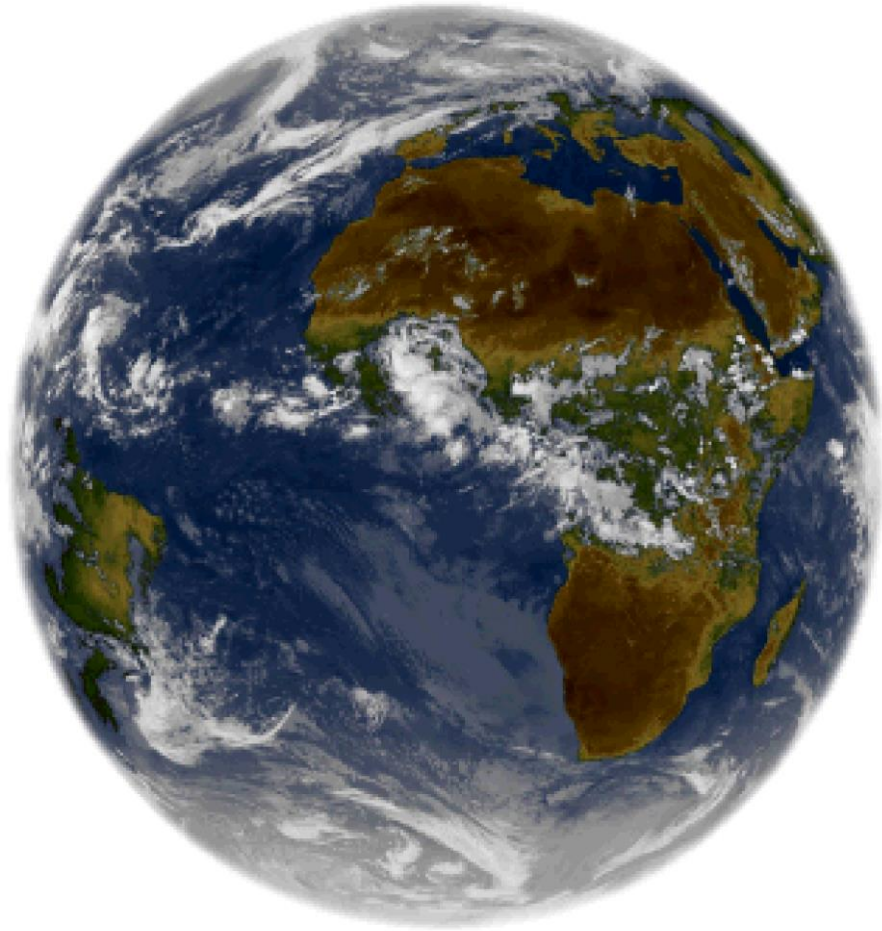


**Jennifer
Bourgeault**

North America

#GLOBEMeeting2025





Regional Highlights

GLOBE Africa

Mark Brettenny



NASA's Earth Systems Monitoring GEDI (Global Ecosystem Dynamics Investigation) L4a biomass product

Together, the GLOBE regions submitted a total of 2,267 data points:

- Africa – 624
- Asia and Pacific – 154
- Europe and Eurasia – 187
- Latin America and Caribbean – 329
- North America – 842
- Near East and North Africa – 131

Thank you to everyone who contributed data to this IOP!



Planetwalk Africa

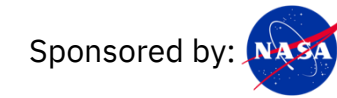


Training Workshops and Capacity building sessions



Thank you!





#GLOBELearningSessions

GLOBE Asia Pacific Region – 2025 Highlights

*A year of youth-driven science, stronger regional
collaboration, and expanding environmental
leadership*

10th December 2025

Dr. Desh Bandhu | Coordinator - AP Region



Asia-Pacific Virtual Wetland Symposium – A Regional Stage for Young Scientists

Our Wetlands Story (Jan 2025)

5th AP Virtual Wetland Symposium

Theme: “Protecting Wetlands for Our Common Future”

- 15 research presentations
- 6 countries
- A regional celebration of student-led environmental science

What made this special:

Students connected hydrology, biodiversity, air quality, and community issues through authentic GLOBE investigations.

Stories from Across the Region:

- **Thailand:** Students investigated invasive aquatic weeds and protected spring ecosystems through sustainable tourism insights.
- **Sri Lanka:** Youth examined mosquito larvae diversity and community-based wetland restoration in Colombo.
- **Mongolia:** Research ranged from comparative indoor air quality to regional water pH studies.
- **Taiwan:** Students used wind-tunnel experiments and water quality sampling to understand ecological health.

Why it stands out:

A truly regional platform where young researchers connected science, place, and purpose.

#GLOBELearningSessions



2025 Asia-Pacific Regional Meeting – Our Annual Family Gathering

A Region United

12 Country Coordinators | Leadership from NASA & GIO

34 participants across AP

A three-day journey of alignment, inspiration, and planning for the future. We opened with shared purpose and ended with a refreshed roadmap for the year ahead.

What We Built Together

- Shared each country's GLOBE journey
- Explored GISN tools with a live demonstration
- Strengthened our understanding of ESS, NISAR, and GLOBE protocol connections
- Mapped regional goals around fundraising, alumni engagement, and scientific networks

The story:

A learning space where AP voices shaped the direction of our collective work.

#GLOBELearningSessions



Freshwater Macro-Invertebrates Webinar — Youth Voices in Hydrology

Bringing Water Science Alive

Date: 23 May 2025

Led by: Dr. R. K. Garg, GLOBE Mentor Trainer

What we achieved:

- Introduced the Freshwater Macro-invertebrates Protocol
- Highlighted species as indicators of water quality
- Engaged teachers, students, and citizen scientists across the region

Students Leading the Science

- **5 student teams (Philippines)** presented real investigations—turning classroom learning into applied environmental research.
- **A new connection emerged:**
The **Latin America & Caribbean (LAC)** region expressed interest in collaboration—sparking AP–LAC discussions for future joint activities.

Why it matters:

A simple webinar became a bridge between regions and a platform for student scientific leadership.

#GLOBELearningSessions



Mission Mosquito Campaign – Science with Community Impact

A Campaign that Grew Beyond Data

Countries involved: **Nepal, Taiwan, Thailand, Philippines, Bangladesh** (+ Peru from LAC)
275+ data points collected

But the real story?

Students began turning data into **research, questions, and community awareness.**

From Mosquitoes to Ecosystems

After the campaign, schools in Thailand, Taiwan, Nepal and the Philippines expanded their investigations to:

- Wetlands
- Water quality
- Biodiversity
- Ecosystem health

Students linked vector-borne disease risks with broader environmental issues— demonstrating how citizen science can build long-term inquiry.

Impact:

A catalyst for ongoing student research and scientific thinking across the region.



6th AP Virtual Wetland Symposium — A Regional Research Movement

Our Biggest Wetland Celebration Yet (Nov 2025)

- **158 participants | 5 countries**
- **17 student research presentations**
- Focus on *“Protecting Vital Ecosystems for a Sustainable Future”*

Strong emphasis on **data visualization**, GLOBE hydrology protocols, and cross-country collaboration.

Why This Symposium Mattered:

Students showcased research on:

- Water quality & pollution
 - Invasive species
 - Soil health & biodiversity
 - Air quality & climate impacts
- **Key impacts:**
 - Built scientific confidence
 - Strengthened environmental literacy
 - Connected youth across the region
 - Reinforced AP RCO’s mission to nurture future environmental leaders.



Thank You!

**GLOBE
Asia – Pacific
Regional Coordination Office**

contact
ap.region.globe@gmail.com

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Europe and Eurasia Region

Highlights of the year 2025

GLOBE Program Europe and Eurasia Region Coordination Office



TEREZA Educational Center, Prague, Czech Republic

Dana Votápková, Bára Semeráková, Lenka Kleger

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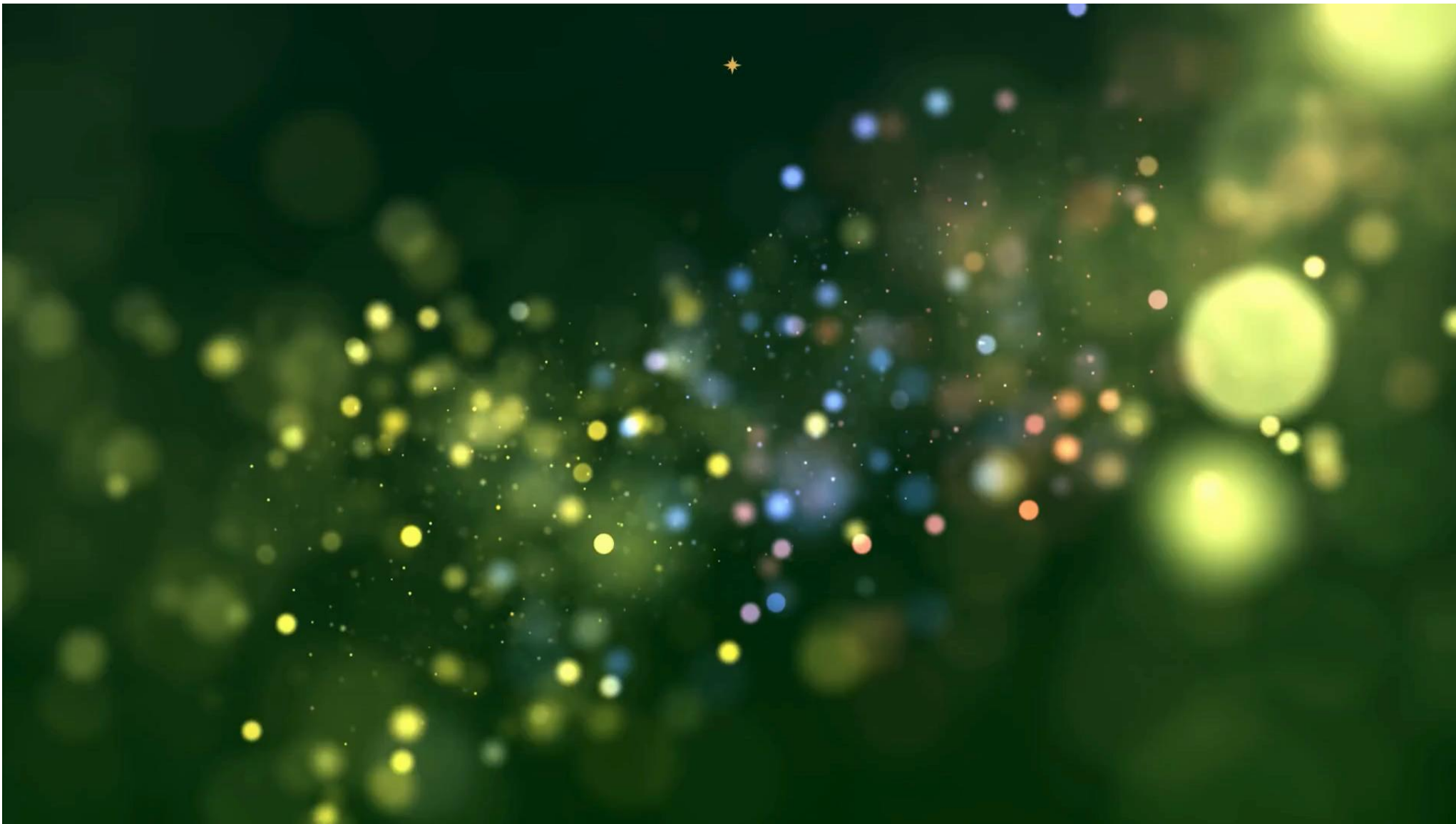


More about
the region
[HERE.](#)





Europe and Eurasia STARS





2025 GLOBE Success Stories

Padlet

Europe and Eurasia Globe + 17 • 3 dny

2025 GLOBE Success Stories

We'd love to hear about your country's success stories from the past year! Each country can share up to three stories in total: One story will be presented during the Success Stories session at the Virtual Regional Meeting. Additional stories will serve as inspiration for other GLOBE coordinators across Europe and Eurasia. Please check the example cards below for guidance on how to add your stories.

jana pavlikova
před 20 dní

GLOBE in Slovakia: Science That Connects All Children



One of the greatest successes of the **GLOBE Program in Slovakia** is its ability to **connect schools of diverse types and backgrounds** – including those working with students from socially disadvantaged environments. GLOBE creates opportunities for every student to become a **young scientist** – to observe the world, measure, explore, and discover connections between nature, weather, and the environment. This **hands-on**

Jasmina Mlakar
před 18 dní

1st national GLOBE conference in Slovenia



More than a gathering of educators, mentors and nature-research enthusiasts, the event became a vibrant community of action – where participants exchanged ideas, explored protocols, and plotted new paths for environmental investigation in schools and kindergartens alike.

Highlights:

Ramona Mercieca
před 23 dní

Sow, Grow, Unite Community Garden



GLOBE Malta Success Story

Students attending Gozo College Agius de Soldanis Middle School have been engaged in an innovative and inspiring initiative during the 2024–2025 scholastic year.

Located in front of St Anna Residence at the Gozo General Hospital, the community garden serves as a unique outdoor classroom where students, educators, parents, the elderly and hospital staff come together to share knowledge, grow food

GLOBE Ireland
před 22 dní

GLOBE Ireland Student Sharing and Prizegiving Event 2025



Participants enjoyed hearing the creative presentations!

The annual end-of-year GLOBE Ireland project sharing and prizegiving event took place on 15 May 2025

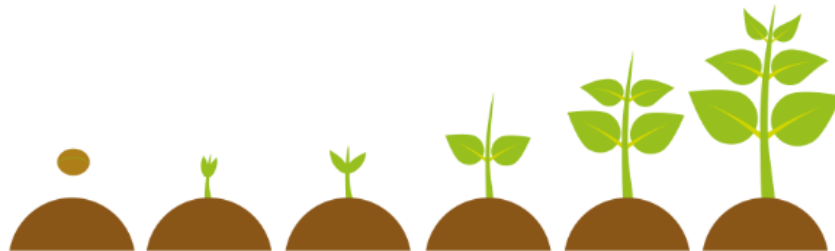
15 student groups shared scientific presentations, videos, artwork, and poems to an audience of approximately 130 participants, that included teachers, students, experts, EPA partners, GLOBE Ireland coordinators and An Taisce staff.

See all stories at the [Padlet](#)

A close-up photograph of a person's hand holding a branch with several large, heart-shaped green leaves. One leaf shows signs of aging with some orange-brown discoloration. The background is a blurred outdoor scene with a tree trunk and a paved area. The text 'EUROPEAN PHENOLOGY CAMPAIGN' is overlaid in white, bold, sans-serif capital letters in the center of the image.

EUROPEAN PHENOLOGY CAMPAIGN

2016



2025

Autumn 2025

- 230 schools, 21 countries
- 4000 students
- 2400 measurements shared with GLOBE community and scientists
- Collaboration





Thank you!



GLOBE Program Europe and Eurasia Region Coordination Office
ee.region.globe@gmail.com

GLOBE LAC Highlights 2025

Mariana Savino
LAC RCO Coordinator





In-Person Teacher Workshops 2025

Ecuador (May 28–30)

The GLOBE workshop was held at the **Faculty of Management and Natural Resources of the University of Specialties in Tourism (UDET)**.

A total of **26 teachers** were trained in the **Atmosphere** and **Biosphere** scientific protocols, led by **Mentor Trainer Ana Prieto (Argentina)**.



The Bahamas (June 30–July 2)

The introductory GLOBE workshop gathered **46 teachers** from universities and schools across the country, with training focused on the **Atmosphere** and **Biosphere** protocols.



2025 Virtual Teachers Workshops

Urban Heat Island Workshop

A series of **three interactive sessions** held on **May 13, 20, and 27** via Zoom. The workshop was coordinated by **Andrea Ventoso (Uruguay)** and resulted in **33 certified teachers**.

Mangroves Workshop

This workshop consisted of **four interactive sessions** conducted on **August 20 and 27, and September 3 and 10** via Zoom. Coordinated by **Claudia Caro Vera (Peru)**, it certified **22 teachers**.

Mosquito Workshop

Held on **October 1, 8, 22, and 29**, this workshop offered a series of interactive sessions coordinated by **Ana Prieto (Argentina)** and certified **18 teachers**.

92,342

data points collected during the
“Trees within LAC” Campaign from
January 1 to December 1, 2025

Intensive Observation Periods (IOPs) – 2025

- January 15 – February 15
- April 1 – May 10
- July 1 – August 10
- October 1 – November 10

Optional IOP (adapted to the Caribbean school calendar):

- January 15 – February 15, 2026

Learning Activities 2025

The Campaign Committees developed **four learning activities**, available in **Spanish, English, and Portuguese**, focused on the campaign's core topics: **urban heat islands, mangroves, and mosquitoes**.

Learning Activities
Subcommittees of the "Trees Within LAC" Campaign
GLOBE LAC Regional Office
2025

LEARNING ACTIVITY
THERMOMETERS IN ACTION
Surface Temperature Across Different Land Covers

GLOBE		Type of Activities
Spheres	Protocols	
Atmosphere	Surface Temperature Air Temperature Clouds	Exploratory Research
Biosphere	Land Cover Classification	

Overview
This activity proposes a place-based school investigation, where students explore how surface temperature varies depending on the type of land cover present in the study area (cement, grass, etc.) and the conditions to which it is exposed (shade, sun, etc.), also considering the cardinal orientation of the recording site. Through the use of simple measuring instruments and direct observation, students are expected to develop an understanding of concepts such as temperature, heat transfer, albedo, and the urban heat island effect. The activity also promotes critical thinking by encouraging students to identify concrete mitigation actions within the educational environment.

Duration
5 class sessions

Learning Activities
Subcommittees of the "Trees Within LAC" Campaign
GLOBE LAC Regional Office
2025

Learning Activity
The Forest That Lives Between the Sea and the Land
The Gifts of the Mangrove

GLOBE		Type of Activities
Sphere	Protocols	
Biosphere	Land cover classification	Cognitive

Overview
Throughout the activity, we will discover the importance of an ecosystem for the planet, especially for coastal areas: mangroves.
At first glance, a mangrove may seem like just a tangle of roots and trees growing in the salt water. However, behind this landscape lies a world of life and benefits that affect us all. In this activity, through a puzzle, some of the secrets that make mangroves a natural treasure and how they contribute to the well-being of people and the ecosystems that host them will be discovered.
As you put the pieces of this puzzle together, pay attention to the information that appears. Each piece will reveal one of the ecosystem services that mangroves give us, from protecting our coasts to being home to countless species. By the end, you'll have built a complete picture, not only visually, but also of the value of these ecosystems.

Time:
90 min

Prerequisites
None

School level:
Primary

Learning Activities
Subcommittees of the "Trees Within LAC" Campaign
GLOBE LAC Regional Office
2025

Learning Activity
Digital Awareness Campaign:
"Mosquitoes Don't Have Wi-Fi, But They Enter Your Home"

GLOBE		Type of Activities
Sphere	Protocols	
Hydrosphere	Mosquito	Motivation Communication Investigation Application

Overview
This activity promotes the identification and classification of mosquito breeding sites through the use of the [GLOBE Observer - Mosquito Habitat Mapper](#) application. Students will conduct field research to locate natural and artificial breeding sites, record scientific data, and analyze the environmental conditions that favor the proliferation of mosquito vectors of diseases such as dengue, Zika, chikungunya, and malaria.

Duration
1 hour

Prerequisites
Basic knowledge of the mosquito life cycle and fundamental concepts of public health. Basic familiarity with the use of mobile devices.

School level
Secondary

Image Description: Two posters. The left poster is titled 'THE MOSQUITO DOESN'T HAVE WI-FI, BUT IT ENTERS YOUR HOME' and shows a house with a mosquito inside. The right poster is titled 'WEEKLY CHALLENGES ON INSTAGRAM: POST A PHOTO ELIMINATING A BREEDING SITE' and shows a person pouring water into a trash can. Both posters include the hashtag #MHM.

Credits: AI-generated image (ChatGPT - DALL-E, OpenAI, 2025)

Learning Activities
Subcommittees of the "Trees Within LAC" Campaign
GLOBE LAC Regional Office
2025

Learning Activity
Mosquito-Borne Diseases:
Environmental Research with GLOBE Observer on Natural and Artificial Breeding Sites

GLOBE		Type of Activities
Sphere	Protocols	
Biosphere	Mosquito	Motivation
Hydrosphere	Land Cover	Investigation
		Exploratory
		Application

Overview
This activity promotes the identification and classification of mosquito breeding sites through the use of the [GLOBE Observer - Mosquito Habitat Mapper](#) application. Students will conduct field research to locate natural and artificial breeding sites, record scientific data, and analyze the environmental conditions that favor the proliferation of mosquito vectors of diseases such as dengue, Zika, chikungunya, and malaria.

Duration
1 hour

Prerequisites
Basic knowledge of the mosquito life cycle and fundamental concepts of public health. Basic familiarity with the use of mobile devices.

School level
Secondary

Thank you!

msavino@ars.org.ar

CREDITS: This presentation template was created by [Slidesgo](#), and includes icons by [Flaticon](#) and infographics & images by [Freepik](#)





NENA Region – 2025 Highlights

Salma Alzubi
NENA RCO



Achievements

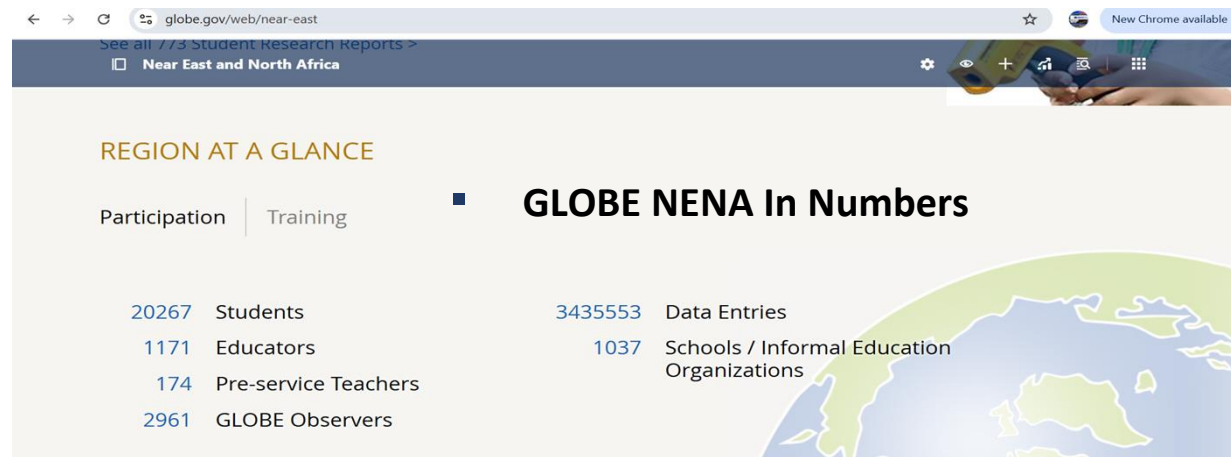
- **Oman Team:** Outstanding performance in research projects and competitions.
- **Integration** of GLOBE protocols into curricula in multiple countries to enhance experiential learning.
- **Successful** national and regional initiatives for collecting and analyzing scientific data.
- **Tunisia:** Reactivation of the program in collaboration with the Ministry of Education.
- **GLOBE Jordan Hosts: Technology Workshop to Increase GLOBE.gov Literacy May 06, 2025**



Successful Launch of the NENA GLOBE Podcast

Six countries have won GLOBE Star awards, and some countries have won more than once

- Integration of GLOBE Protocols into National Curricula in 8 countries
- Regional Coordination & Partnerships
- 9-10 November 2025 Regional Conference



THANK YOU

A group of five women are standing in a row, smiling for a photo. They are positioned in front of a large, vibrant mural that covers the wall behind them. The mural features various elements including trees, leaves, and educational charts. One prominent chart is titled 'Spring' and includes a sun icon, the text 'Sun and calm', 'Air Temperature 24.5°C', and 'Water Temperature'. Another chart on the left is titled 'We need transparency' and lists 'tube and' and 'use of'. The women are dressed in casual attire: a purple patterned top, a light blue patterned shirt, a black V-neck top, a yellow V-neck top, and a blue patterned top with a grey cardigan. The overall atmosphere is bright and educational.

North American Regional Office

Jennifer Bourgeault
U.S. GLOBE Country Coordinator

2025 Virtual Student Research Symposium

114 students



41 projects



20 STEM
professionals



25 States



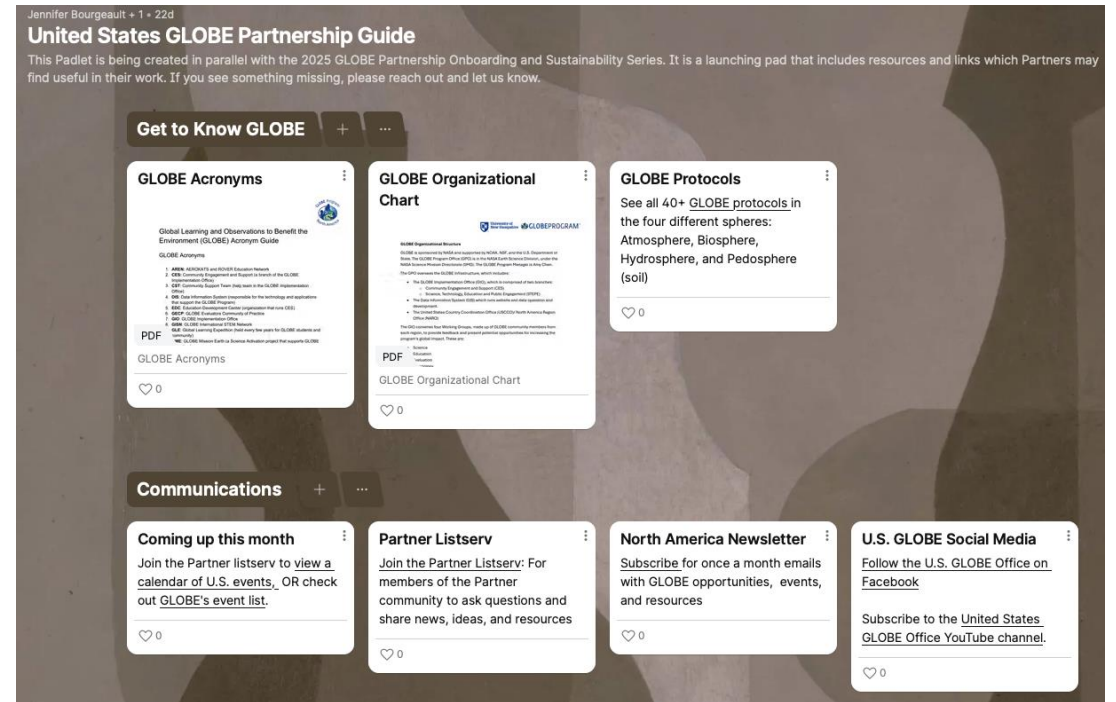
- 5-12 May 2025, open to students K-12
- Each day included a scientist career panel, and student presentations and discussions in breakout rooms.



New Resources: Equipment Database and Partner User Guide

[Airtable Equipment Database](#): Specifications for GLOBE equipment and costs with U.S vendor links.

[Partner User Guide Padlet](#): Resources and links GLOBE Partners may find useful in their work.



Supporting the Community: Soil and Water Tents

- Funded by the USDA Forest Service, NARO provided grants for Tents and materials to GLOBE Partnerships.
- Outcome: 15 Tents in nine U.S. states.
- In New Hampshire, the tent has reached over 15,000 participants!



Supporting the Community: Partner Mini-Grants



- U.S. Partners received up to \$5000 for activities that help achieve GLOBE Strategic Priorities.
- Ten mini-grants distributed over two years.
- [Preschoolers Exploring their Environment with GLOBE](#) (recent mini-grant)

GLOBE Green-Down Data Sheet

Mrs Bryant's 3rd Grade

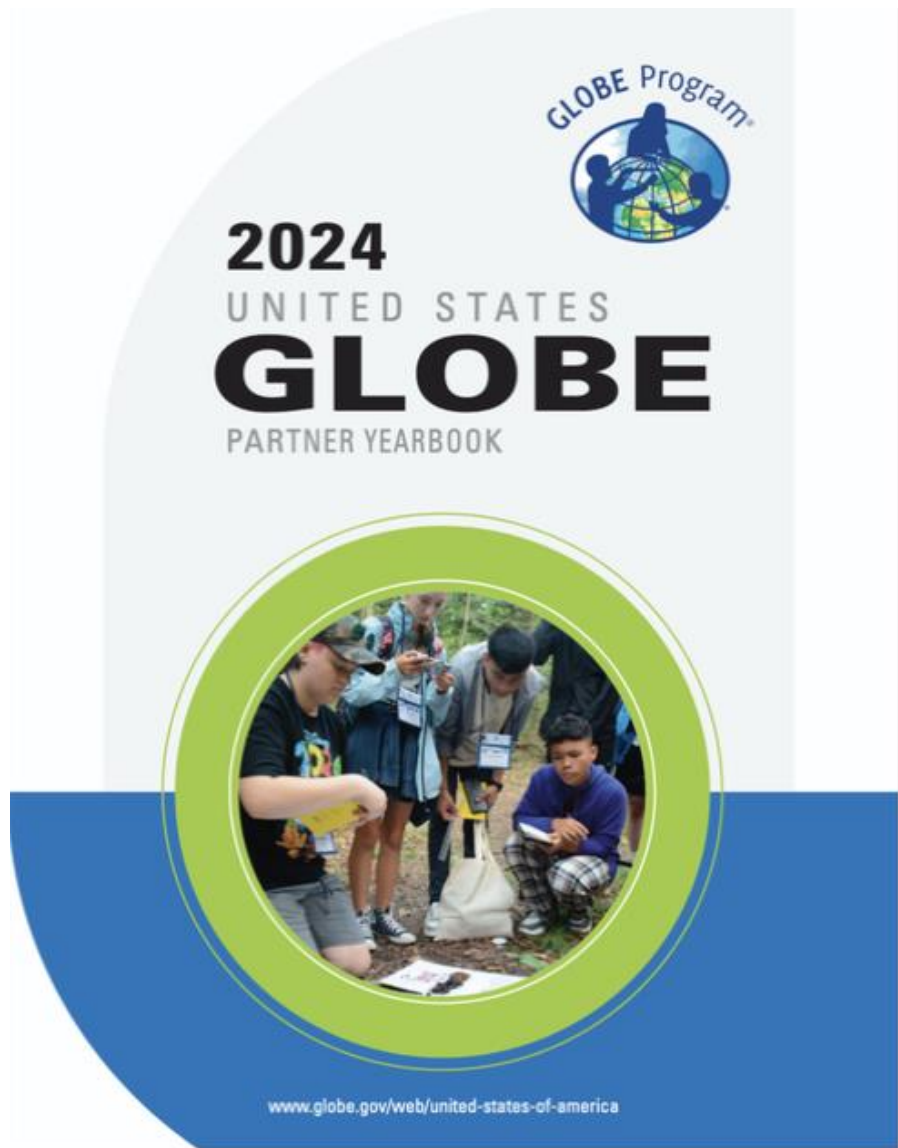
Northern Red Oak Tree

	Leaf 1 (color, fallen, or snow covered)	Leaf 2 (color, fallen, or snow covered)	Leaf 3 (color, fallen, or snow covered)	Leaf 4 (color, fallen, or snow covered)
10-16-24	color	color	color	color
10-18-24	color	color say 4/8	color say 4/8	color say 4/8
10-22-24	color	color	color	say 4/8 color =
10-28-24	SGY 4/8 color	SGY 4/8 color	SGY 4/8 color	SGY 4/8 color
11-6-24	color	color	color	color
11-18-24	color	color	color	color
11-19-24	color	color	color	Fallen

North America Phenology Campaign • Modified from the GLOBE Green-down data sheet

Working and Creating Together: The Phenology Campaign

- [Fall 2024 North American Phenology Campaign: Reports from the Field](#)



Working and Creating Together: Partnership Yearbook

U.S. GLOBE Partner
Yearbook is
Available for
Download

2024

2025

The 2025 Yearbook
will be a celebration
of 30 years of GLOBE
Partnerships.

NARO: Awards and Recognition

Awards to GLOBE Partners

- [YES Medal Awarded to Dr. Elena Bautista Sparrow at YLACES 10th Anniversary Celebration](#)
- [Dr. Michael Notaro Receives Public Science Engagement Award from the University of Wisconsin-Madison](#)
- [Congratulations to U.S. GLOBE Partners and Educators Recognized at 2025 Annual Meeting](#)

Outstanding Students and Educators

- [GLOBE Student Is Recognized with Seven Awards at USM Regional Science Fair](#)
- [Providence \(RI\) SRS presentations \(June, 2025\)](#)
- [Mississippi GLOBE Student Receives Scholarship in Part Due to GLOBE Project](#)
- [Christine Cote, GLOBE United States Educator, Accepted into UNITAR Fellowship](#)

NARO: Events and Workshops

Partnership Workshops and Activities

- [GLOBE Educators Gain Confidence in Their Science Research](#)
- [Congratulations to the 2024–25 ENGAGE Educator Cohort!](#)
- [TerraROVER Indoor Navigation](#)
- [Xcite Learning Partnership Hosts GLOBE Air, Water, and Soil FEST: A K–4 Science Celebration](#)
- [GLOBE Mission Earth Calculates Reach of GLOBE SciAct Projects](#)

Where GLOBE appeared...

- [Connect with GLOBE at the 2025 National Science Teaching Association Conference](#)
- [GLOBE Clouds @ American Library Association \(ALA\) Conference & Exhibition](#)

Resources

- [Tips to Download GLOBE Data](#)
- [GLOBE Mission Earth Presents an Introduction to GLOBE Course](#)



Thank you!



Q&A

Thank you, RCOs!

#GLOBEMeeting2025



Register for the Upcoming GLOBE Sessions



eTraining Updates
13 January 2026



**GLOBE Alumni: Actionable
Alumni Engagement Resources**
January/February 2026



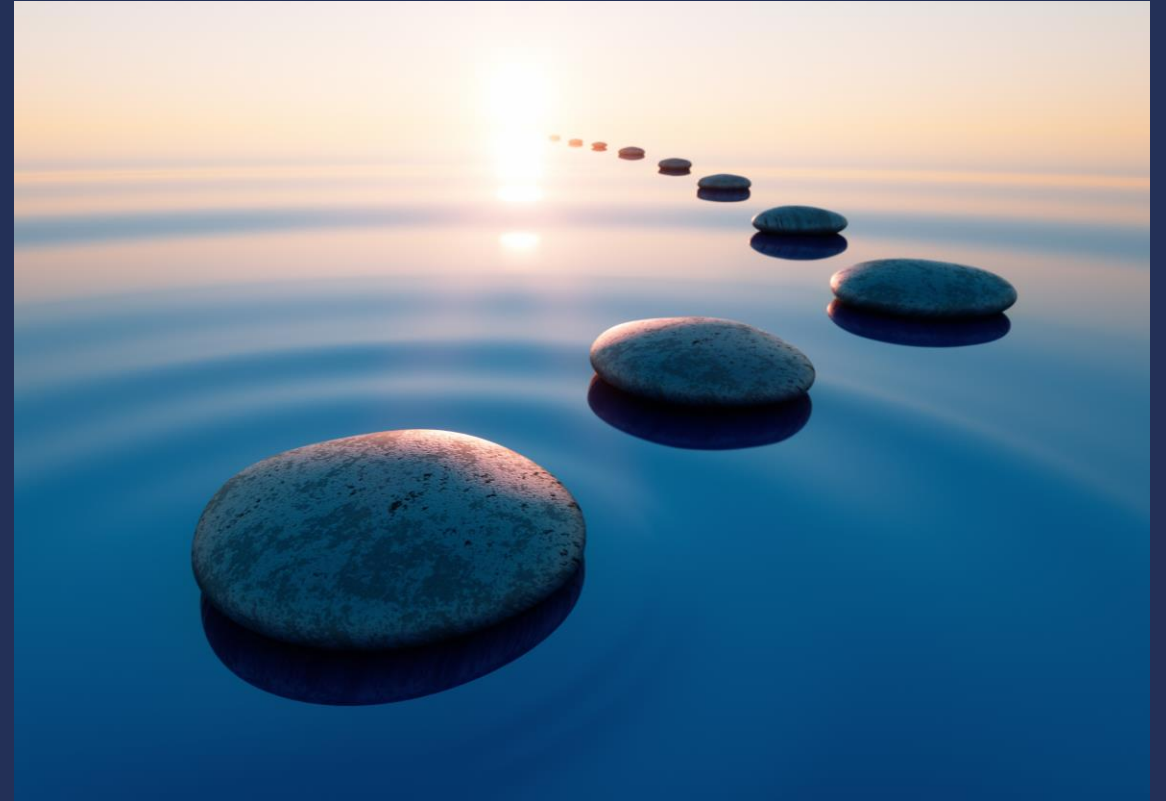
**UN Institute for Training and Research
(UNITAR) Global Diplomacy Fellows**
February 2026



**Lake Observations from Citizen
Scientists and Satellites (LOCSS)**
TBD

We Appreciate Your Feedback

**Please share your feedback in the
Google Form: go.edc.org/bpgAAA**



THANK YOU!

