



THE GLOBE PROGRAM

Asia and Pacific Region Meeting April 15-18, 2024 MALE The Maldives

GLOBE Implementation Office
Update

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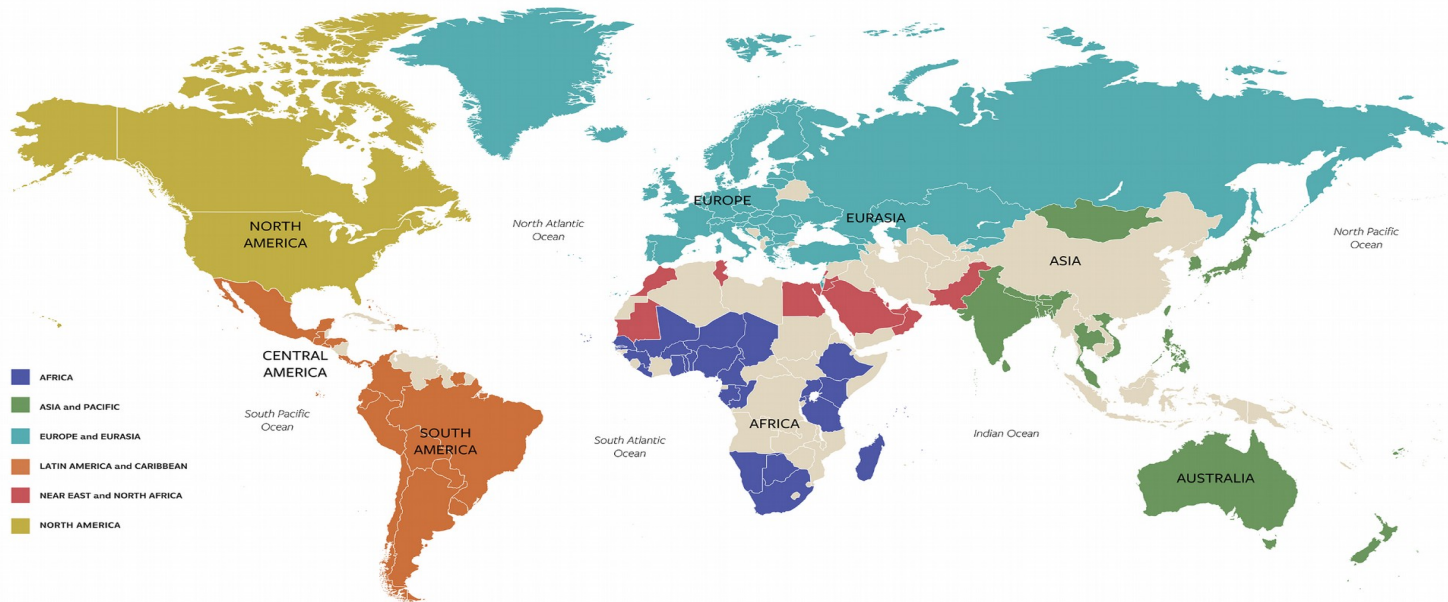
Welcome to second in person meeting since 2022

- Welcome to the 12 Country Coordinators and Assistant Country Coordinators attending the meeting (countries in region)
- Update from GLOBE Implementation Office (GIO) and the Data Information Systems (DIS)
- Update from you about the development of GLOBE in your countries
- Update from the Regional Coordination Office (RCO)

Highlights from 2023-24

- Science data continue to increase, pushing the count to over 250 million measurements
- Work continues on protocol deactivation and proposal process
- Over 1 million satellite matches for the GLOBE Observer Cloud matches
- Trainer certification process launched and online processing continues to be refined
- Data literacy activities
- New staff hired at GIO
- A new version of the Country Coordinator Guide is available
- Revisioning with the Working Groups the role of the groups over the next 10 years

GLOBE-UN Science Summit 2023



On September 20th, GISN members from the GLOBE Community presented about their use of GLOBE data.

On September 21st, GIO Director and one representative from each of the GLOBE six regions presented on the alignment of their work with the SDGs at the 2022

[UN General Assembly Science Summit](#). Two US partners acted as moderators for the panel.

Over 200 participants.



THE GLOBE PROGRAM



2020 GLOBE Annual Survey Highlights

TECHNOLOGY

DATA SYSTEMS
The use of the GLOBE data systems (Visualizations, Data Entry, ADAT) has increased.

- 1 in 4 of the GLOBE community members uses data systems tools often (at least once per month)
- 25% Advanced Data Access Tool
- 31% Data Visualization System
- 28% Data Entry Tool

WEBSITE
The use of the GLOBE website to facilitate information exchange and collaboration has increased.

- 65% of partners' CCS found the website "helpful" or very helpful for communicating and collaborating with community members

APPS AND MOBILE DEVICES
Improve the relevance and capability of GLOBE apps and mobile devices to better address the needs of the GLOBE Community

- 39% of the GLOBE Community reported that the GLOBE Observer is the app they use most frequently to enter data

Additional 2020 survey infographics available: EDUCATION | SCIENCE | COMMUNITY | COMMUNICATION
Thank you for your participation. Look for the 2021 Survey coming soon!

2020 GLOBE Annual Survey Highlights

EDUCATION

MATERIALS & RESOURCES
GLOBE materials and educational resources are accessible and useful to the GLOBE community.

- 2 in 5 Teachers reported that they needed the most support in developing data collection instruments in order to assess the effectiveness of GLOBE materials and resources in the classroom
- 27% of GLOBE teachers use atmosphere protocols at least once a week
- 31% of teachers use the GLOBE Teacher's Guide at least once every 3 months
- 36% of GLOBE teachers have aligned GLOBE materials to meet regional or national standards

PROFESSIONAL DEVELOPMENT
GLOBE's capacity to deliver high quality professional learning experiences (trainings) has increased

- 4.2 out of 5 Avg. rating on teacher training workshops
- "I learned a lot of things to do hands-on activities with my students"
- "Outstanding presentations and planning"
- "Phenomenal trainers and information"

STUDENT INVESTIGATIONS
Students develop high quality STEM investigations of Earth systems phenomena from a local to global scale perspective

- 248 Number of students developing STEM investigations
- *Based on 1000 professionals

EVALUATION
Information on GLOBE's educational impact is regularly shared by the community

- 63 Number of articles, publications, or presentations about the GLOBE program
- *Based on 1000 professionals

Additional 2020 survey infographics available: TECHNOLOGY | SCIENCE | COMMUNITY | COMMUNICATION
Thank you for your participation. Look for the 2021 Survey coming soon!

2020 GLOBE Annual Survey Highlights

COMMUNICATIONS

COMMUNICATION PATHWAYS
Improve the communication pathways among the GLOBE community

- 3.4 out of 4.0 Rating for the GLOBE Community Letter from the Director, the highest rating by GLOBE community members since 2016

INTERNATIONAL COMMUNITY
Improve the communication of GLOBE events, activities and achievement from the international community

- 1 in 4 GLOBE community members provided information to GLOBE on their participation in events and their achievements

NEW AUDIENCES
Increase the permission of GLOBE to new audiences

- 59% of the GLOBE community members shared information about GLOBE with a new audience

Additional 2020 survey infographics available: EDUCATION | SCIENCE | COMMUNITY | COMMUNICATION
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2020 GLOBE Annual Survey Highlights

SCIENCE

SCIENTIST PARTICIPATION
Increase participation and collaboration of scientists and STEM professionals with the GLOBE Community

- 40% of teachers read #1 "School visits to do a GLOBE activity" as the most useful type of support from GLOBE scientists and STEM professionals
- #1 trophy icon

SCIENCE DATA
Increase the comprehensiveness of the data in the GLOBE database

- 218,057 Number of GLOBE observer data entries
- Up from 176,535 in 2019

SCIENCE PUBLICATIONS
The number of publications and citations using or referencing GLOBE has increased

- 15% of scientists reported having published or presented information that used or referenced GLOBE data in the past year

SCIENCE PROJECTS
Increase the number of projects focused on environmental awareness and contributing to environmental benefits

- 43% of GLOBE teachers reported submitting related GLOBE projects related to environmental awareness in their school
- Phenology and Invasive Plant Project
- GLOBE on High: Annual Invasive Plant Project

Additional 2020 survey infographics available: EDUCATION | TECHNOLOGY | COMMUNITY | COMMUNICATION
Thank you for your participation. Look for the 2021 Survey coming soon!

Overview of GLOBE Annual Survey

The GLOBE Annual Community Survey is the primary data collection tool for gathering information from the GLOBE community. It is administered to GLOBE Teachers, Partners, Country Coordinators and members of the GLOBE International STEM Network (GISN) at the end of each calendar year. The current survey questions were developed with input from each of the Working Groups and align with the goals and performance measures in the 2018-2023 Strategic Plan. In concert with other data sources, the survey data is primarily used to monitor the GLOBE Programs progress toward achieving the performance targets in the strategic plan. Highlights from the annual survey are digitally shared with the GLOBE Community during the annual meeting. On occasion, survey results are presented to the Working Groups to facilitate in-depth conversation about the data.

A different survey version is administered to each of the adult community groups - GLOBE Teachers, Partners/Country Coordinators and the GISN. The majority of the questions on each survey are the same. However, a few questions are unique to each group. For example, the GLOBE Teacher survey includes questions about classroom practices, the Partners/Country Coordinator survey includes questions about managing GLOBE implementation in schools and the GISN survey includes questions about the relevance of GLOBE protocols to STEM research activities.

One of the major challenges of the survey has been the low number of responses, which limits our ability to generate the results across the GLOBE Community. Table 1 below shows the number of responses to each of the surveys and the response rate since 2018.

	2018		2019		2020	
	# of responses	Response rate	# of responses	Response rate	# of responses	Response rate
Teachers	436	2%	348	2%	280	3%
U.S. Partners	51	25%	67	33%	46	33%
Country Coordinators	61	53%	62	54%	82	65%
GISN	27	9%	25	8%	18	15%

* 2018-2019 Survey sent to 26,881 Teachers, 204 US Partners, 113 Country Coordinators and 207 GISN
** 2020 Survey sent to 2,022 Teachers, 118 US Partners, 120 Country Coordinators and 118 GISN

One factor that may account for the low responses is the manner in which the survey results are communicated. To address this issue, GISD evaluation created a set of one-page summaries of the survey results in each of the four areas of the strategic plan. These one-pagers (Communications, Community, Education, Science, and Technology) highlight important and relevant findings gleaned from the survey data. We hope this information will motivate the GLOBE community to take more interest in the survey and respond to the survey in a timely fashion.

Highlights for 2023/24

- New learning activity submission process and repository
- Increased outreach to the GISN and involvement with the group
- Enhancements to and content refresh for the website (DIS and GIO)
- All data entry forms in The GLOBE Program's app, GLOBE Observer
- Continuing field campaigns and expeditions in regions
 - ✓ Year of Climate and Carbon Campaign
 - ✓ Empatico Feasibility Study
- In person GLOBE Annual Meeting.
 - ✓ To be Held in Fredonia, NY
 - ✓ Mid-July
- Increased Communications about and at regional meetings

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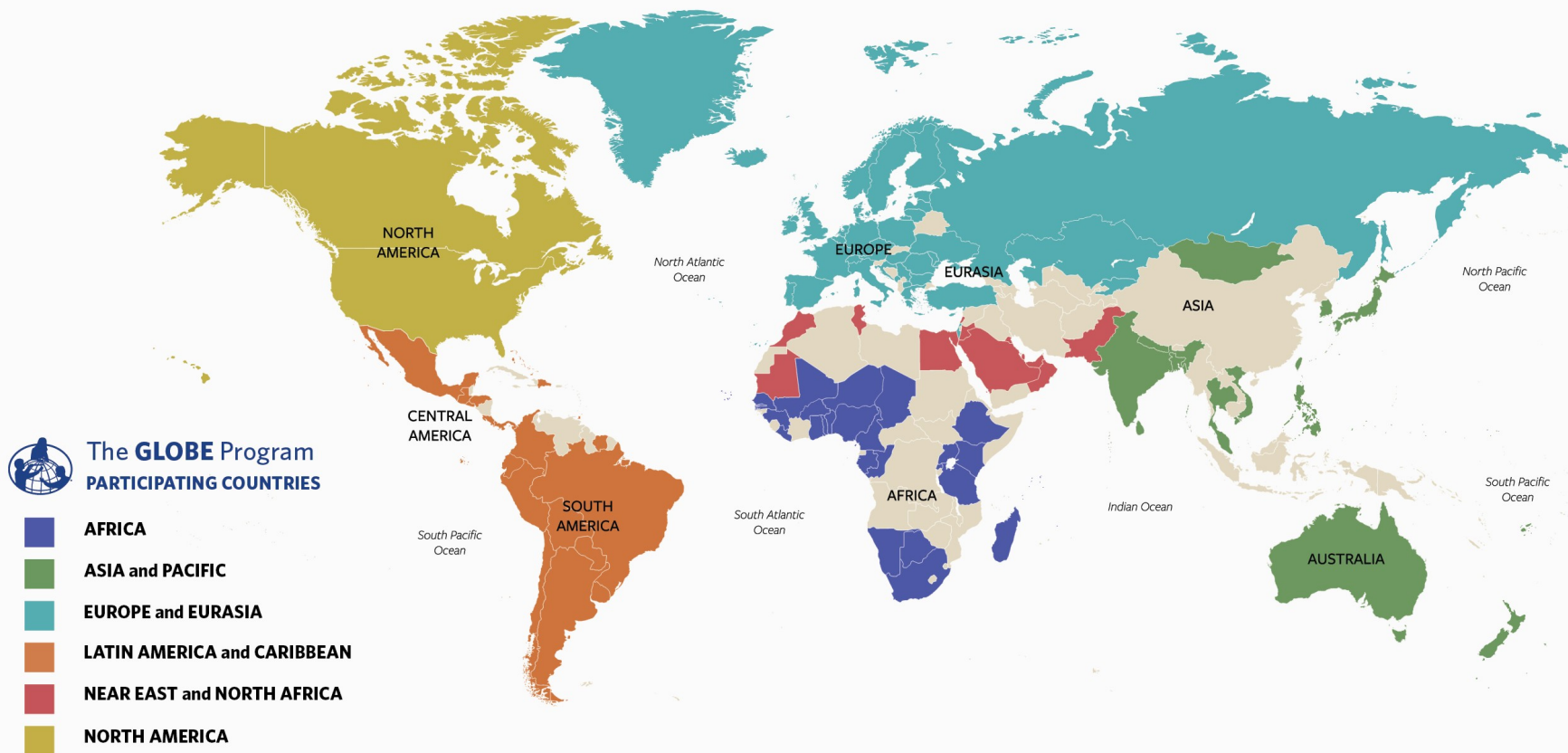
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