



THE GLOBE PROGRAM

Europe and Eurasia Region Meeting

October 17- 21, 2022

Dr. Tony P. Murphy

Director, GLOBE Implementation Office



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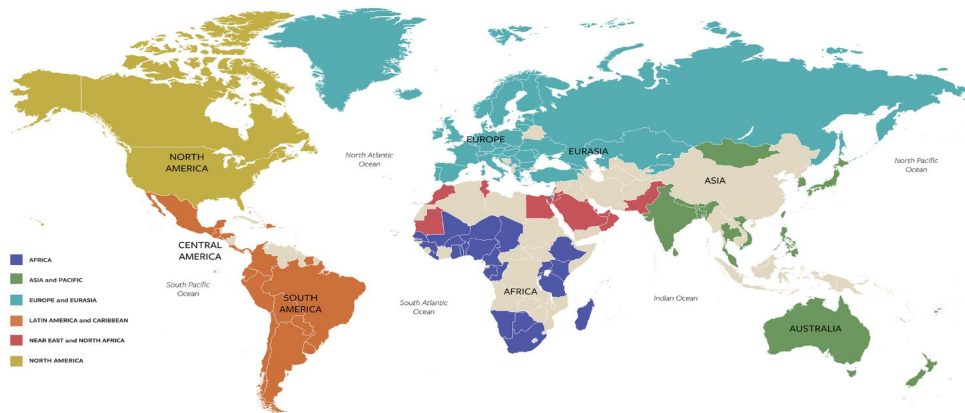
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GLOBE by the Numbers



Europe and Eurasia Region Countries and Data

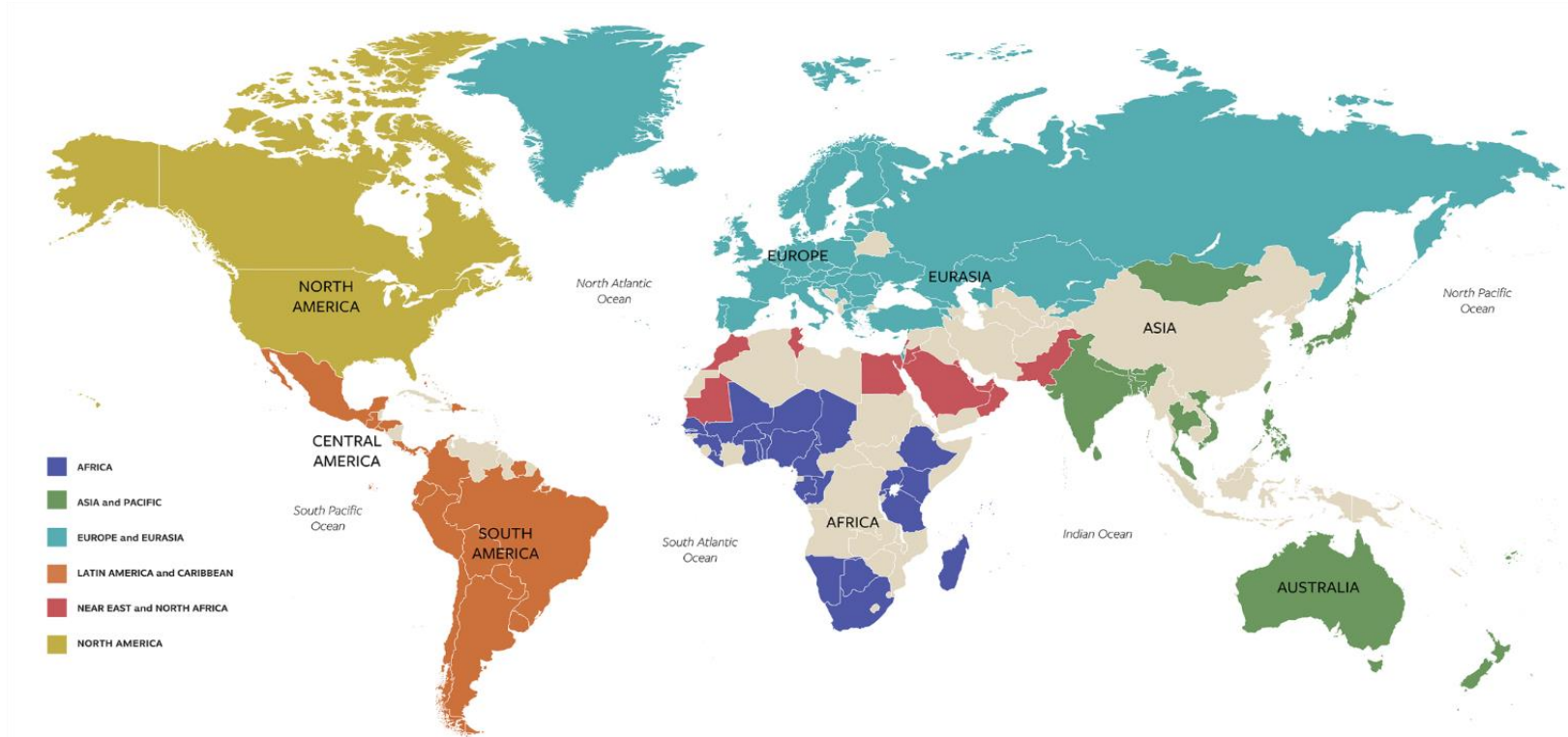
127 Countries
38,656 Schools
43,789 Teachers
240,975 GLOBE Observers
231,529,582 Measurements
914,592 Measurements this month

Name	Schools/Members		Data		Projects		Training	
	Schools	Teachers	Projects	Members	Projects	Training	Projects	Training
Armenia	1	0	1	0	0	0	0	8
Austria	7	2	7	50	0	424		
Belgium	18	11	7	191	0	847		
Bulgaria	7	3	1	50	0	284		
Croatia	343	538	68	6,828	21	846		
Cyprus	35	46	0	1,007	0	132		
Czech Republic	218	298	9	8,397	1	537		
Denmark	26	10	1	227	0	335		
Estonia	87	105	1	2,390	13	129		
Finland	152	52	2	1,090	0	578		
France	139	166	9	3,921	1	5,831		
Georgia	15	15	5	0	0	60		
Germany	615	322	63	7,307	0	2,802		
Greece	33	16	6	266	0	577		
Hungary	29	11	3	199	3	2,380		
Iceland	13	3	0	75	0	79		
Ireland	75	77	8	2,798	0	874		
Israel	384	550	0	12,567	0	634		
Italy	127	173	4	2,194	0	4,373		
Kazakhstan	49	5	0	100	0	96		
Kyrgyz Republic	98	43	1	128	1	27		
Latvia	31	43	2	735	0	235		
Liechtenstein	2	1	0	0	0	9		
Lithuania	69	25	2	312	0	193		
Luxembourg	1	0	0	0	0	49		
Malta	43	38	5	265	0	545		
Moldova	29	1	0	25	0	42		
Monaco	3	0	0	0	0	9		

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Montenegro	1	0	0	0	0	71		
Netherlands	121	1,030	26	25,957	1	1,930		
North Macedonia	38	102	0	731	0	97		
Norway	99	65	4	956	0	479		
Poland	203	256	13	4,685	0	2,396		
Portugal	15	12	6	200	0	862		
Romania	11	4	6	116	0	803		
Russia	109	8	4	175	0	882		
Serbia, The Republic of	2	1	1	10	1	426		
Slovak Republic	64	116	1	325	0	180		
Slovenia	26	69	8	354	0	49		
Spain	365	177	17	3,438	0	2,855		
Sweden	54	5	5	125	0	679		
Switzerland	235	215	4	4,432	0	863		
Turkey	91	18	15	168	0	2,464		
Ukraine	487	453	15	5,032	2	1,248		
United Kingdom	669	54	30	1,180	1	4,589		
Totals	5,241	5,139	360	99,006	45	43,808		

From: www.globe.gov: 17 Oct, 2022

GLOBE-UN Science Summit 2022



On September 15th, 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 400 participants.

The **Global Learning and Observations to Benefit the Environment (GLOBE)** Program is an international science and education 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.



Announced in 1994, GLOBE began operations on Earth Day 1995. Today, this international network has grown to include representatives from 127 countries coordinating GLOBE activities that are integrated into their local and regional communities.

The GLOBE Program infrastructure and management is funded by NASA with additional support from NOAA, NSF, and the Dept. of State. When a country joins GLOBE, it gets access to this infrastructure and in turn funds the implementation of the program in its country.

The origin of The GLOBE Program

Launched

Announced on 22 April 22, 1994
as a multi agency effort: NOAA,
NASA, NSF, DoS, EPA, and US
Dept of Ed.

Teacher Professional
Development Workshops by
22 April, 1995

In 1995, GLOBE had

11 Science Protocols

33 Countries

Anniversaries

2005: Earth Day; GLOBE celebrates its 10th birthday,
with 15,000 schools in 106 countries.

2015: Earth Day, GLOBE celebrates its 20th birthday!
GLOBE launches new mobile data entry app; offers
51 protocols; data reaches 128 million
measurements.

2020: 25th Anniversary! The Covid-19 pandemic
disrupts everything. For the first time, the GLOBE
Annual Meeting goes “virtual.”

By the end of the 25th anniversary year, GLOBE has
125 countries participating in the program; reaches a
new milestone with over 200 million measurements;
the community adapted to the ongoing pandemic
and showed how resilient it is!

GLOBE: Implementation and Achievements

GLOBE Learning Expeditions (GLE)

- 1998:** Finland hosts the first GLE in Helsinki.
- 2000:** USA hosts second GLE in Fayetteville, Arkansas.
- 2003:** Croatia hosts third GLE held in Sibenik.
- 2008:** South Africa hosts fourth GLE in Cape Town.
- 2014:** India hosts fifth GLE in New Delhi.
- 2018:** Ireland hosts the sixth GLE in Killarney, Ireland.



GLOBE: Implementation and Achievements

2021: GLOBE won **American Geophysical Union’s (AGU) 2021 Excellence in Earth and Space Science Education Award!** The award is given annually to an individual, or group/team demonstrating a sustained commitment to excellence in geophysical education. Successful candidates have made long-lasting, positive impacts in the Earth and space sciences at any education level from kindergarten through postgraduate studies.

2004: GLOBE receives the Goldman Sachs Award for being an “outstanding program that makes use of media/technology to educate students or teachers about other world regions and cultures, or international issues.”

Recognition for GLOBE Estonia

- ❖ “Keskkonnakäpp 2021” – for involving youth, environmental award Cover picture attribution: Daria Lehmann, Scientific Assistant, GLOBE Switzerland
- ❖ Swedbank recognition - GLOBE 25, involving youth in scientific projects“
- ❖ Aasta haridustegu 2021” – “Act of the year, GLOBE 25 years in Estonia”,
- ❖ education award, (1) national finalist, (2) winner in Tartu -
- ❖ National Science Communication Award, 2nd prize

GLOBE: Inspiring students around the world



17 countries

-  Australia
-  Bangladesh
-  Fiji
-  India (GLOBE site)
-  Japan (GLOBE site)
-  Korea_South
-  Maldives
-  Marshall Islands
-  Micronesia
-  Mongolia
-  Nepal (GLOBE site)
-  New Zealand (GLOBE site)
-  Pakistan
-  Palau
-  Philippines
-  Sri Lanka
-  Thailand (GLOBE site)

Asia and the Pacific Regional Projects

- Young Soil Doctor, Thailand
2004 – present
- Sumatran Tsunami Project
2005 – present
- Water Quality Monitoring Program, India
2005 – 2007
- Marine Invertebrates, Thailand
2005 – present
- Environmental Monitoring of Manila Bay,
Philippines 2006
- Asia Pacific Regional Watershed Project,
2007
- CloudSat Research, 2007 – present.




THE STUDENT PULSE

Student Research and Consultancy Services
Direct your research questions to our truly global international student audience.



Impacts

Millions of GLOBE students impacted

Hundreds of research projects posted to the website
From air quality to mosquito breeding sites

Action for positive change seen in many regions



1. Africa – W. African Sahara -- Trees in Africa
2. Asia and Pacific – Thailand – Mosquito and Human Health
3. Europe and Eurasia – Ireland – Air Quality
4. Latin America and Caribbean – Argentina, Uruguay, Paraguay --
El Nino/La Nina Impact
5. Near East and North Africa – Oman – Female
scientists
6. North America – Air Quality

The Year Ahead

- The Protocol Deactivation Process
- The Protocol Proposal Process
- Website Architecture Enhancements
- GLOBE Observer App (data entry)
- Trainer/Mentor Trainer Process
- GLOBE Evaluation Framework
- Working Group Nominations and Liaisons
- Science Activation Projects and Liaisons
- Regional Meetings
- Website updates
- New Countries Coming Onboard
- New US Partners Coming Onboard
- Annual Survey and infographics



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GLOBE Implementation Office (GIO)

Community Support Team
globehelp@ucar.edu

For more information visit www.globe.gov

