

Earth Science Week

Innovating for Earth and People

This webinar will begin at 11 am Mountain Time and will be recorded

1



Today's Facilitators

Claire Ratcliffe Adams (she, her)

Education Associate

Space Science Institute

Jan Heiderer

Communications Coordinator

Producer of the 'Agents of Change' Video Series

Agents of Change Video



Today's Agenda

- **Welcome, Introductions, and Icebreaker**
- **Earth Science Week Overview**
- **Agents of Change Video Series**
 - **Episode 3: GLOBE in North America**
 - **Episode 4: GLOBE in Near East and North Africa**
- **Hands-On Activity Demonstrations**
- **Discussion and Q&A**



Ice Breaker

Share a favorite memory you have about water.

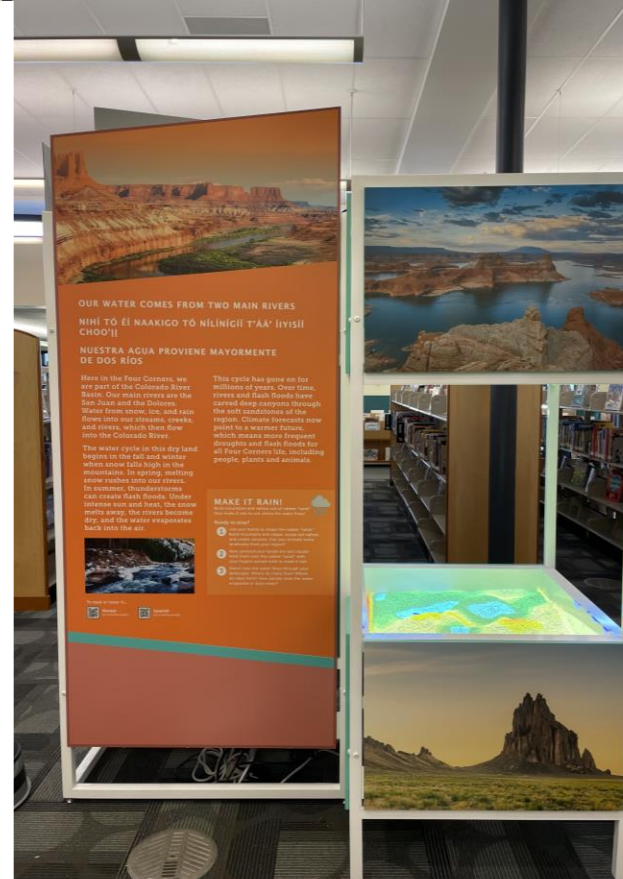
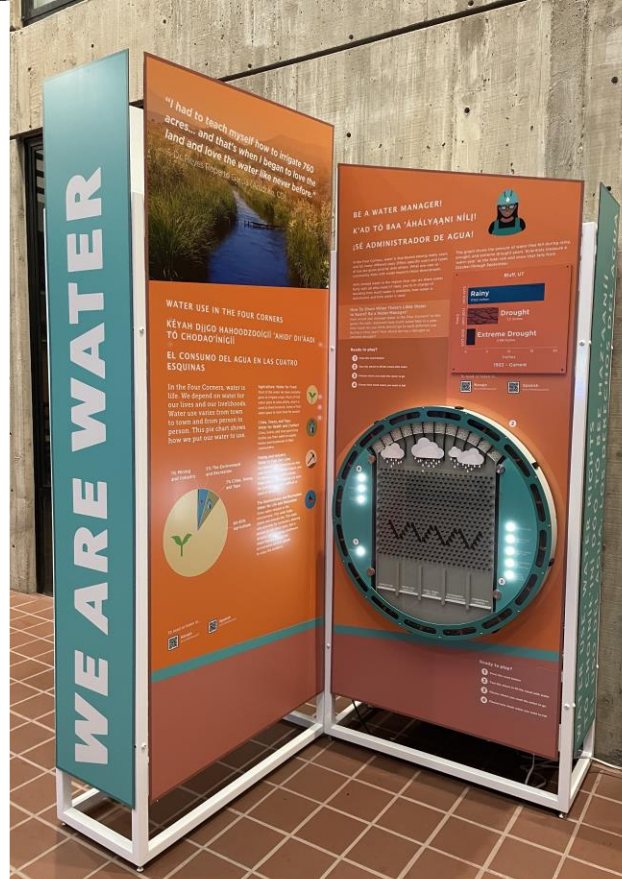
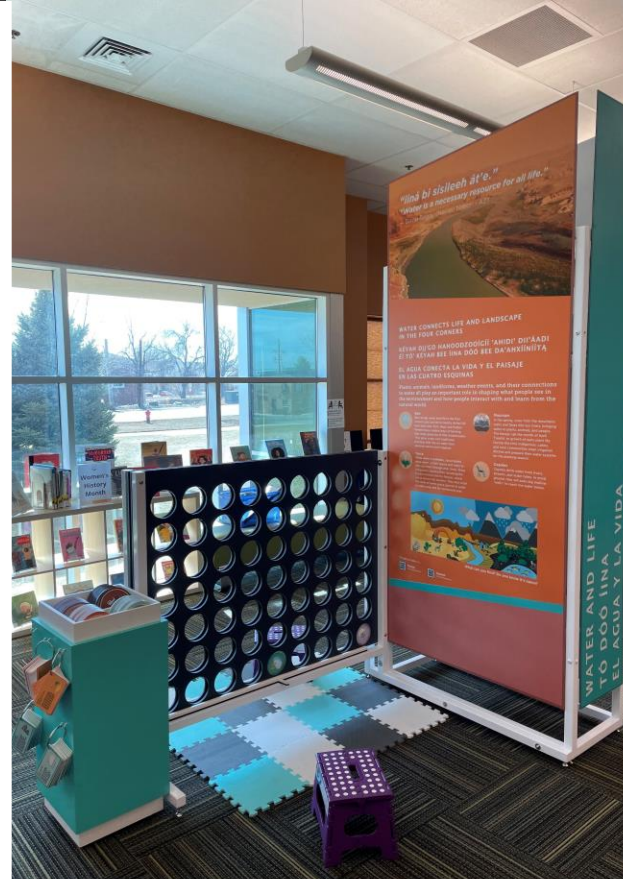


We are Water
connecting communities



Collaboration between scientists, Indigenous science educators, learning researchers, informal educators, and library staff.





We are Water

- Public and Tribal libraries in the Four Corners Region
- Serving Indigenous, Latinx, and rural communities
- Connecting communities through conversations and explorations about water
- Multicultural traveling exhibit in Navajo, Spanish, English, and Ute languages

October 8-14



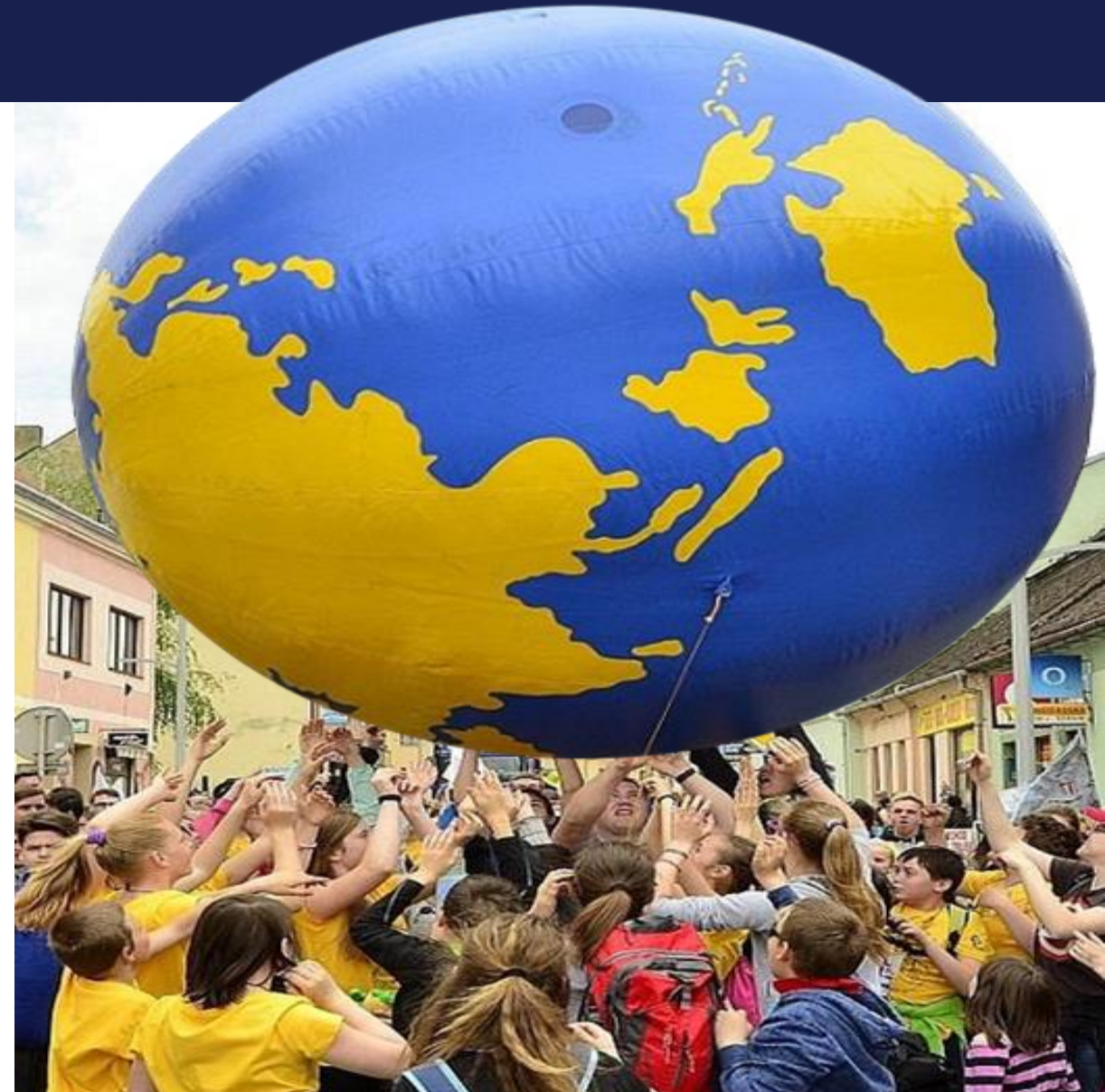
**EARTH
SCIENCE
WEEK**

- Started in 1998 by the American Geosciences Institute
- Gain a better understanding and appreciation for Earth Sciences
- Encourage stewardship of the Earth
- 2023 Theme: "Geoscience Innovating for Earth and People"
 - Contests
 - Events
 - Activities
 - So much more!

www.earthsciweek.org

A Brief Introduction to GLOBE and the Agents of Change Video Series

Jan Heiderer
Communications Coordinator
GLOBE Implementation Office



THE GLOBE PROGRAM



Earth as a System

EXPLORE AND LEARN ABOUT THE EARTH SYSTEM

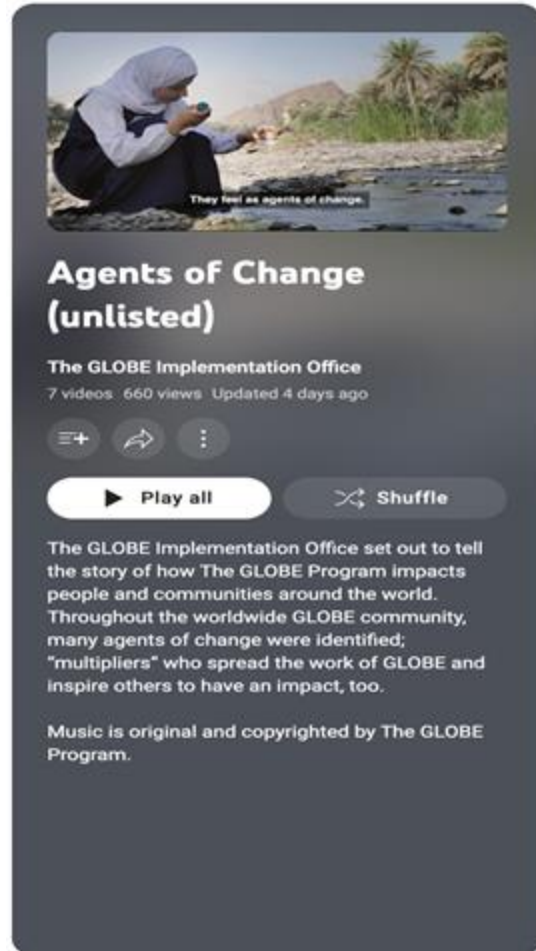


Participating Countries



127 Countries
38,948 Schools
44,656 Teachers
253,619 GLOBE Observers
235,221,998 Measurements
328,965 Measurements this month

Agents of Change Video Series



Agents of Change (unlisted)








The GLOBE Implementation Office
7 videos · 660 views · Updated 4 days ago

⋮ ↻ ⋮

▶ Play all ⌘ Shuffle

The GLOBE Implementation Office set out to tell the story of how The GLOBE Program impacts people and communities around the world. Throughout the worldwide GLOBE community, many agents of change were identified; "multipliers" who spread the work of GLOBE and inspire others to have an impact, too.

Music is original and copyrighted by The GLOBE Program.

- 1  **Agents of Change -- The Trailer**
The GLOBE Implementation Office · 502 views · 6 days ago · 2:25
- 2  **Agents of Change -- Episode 1: GLOBE in Africa**
The GLOBE Implementation Office · 1.3K views · 1 year ago · 6:36
- 3  **Agents of Change -- Episode 2: GLOBE in Latin America**
The GLOBE Implementation Office · 616 views · 1 year ago · 6:01
- 4  **Agents of Change -- Episode 3: GLOBE in North America**
The GLOBE Implementation Office · 868 views · 1 year ago · 6:17
- 5  **Agents of Change -- Episode 4: GLOBE in Near East and North Africa**
The GLOBE Implementation Office · 83 views · 2 months ago · 8:12
- 6  **Agents of Change -- Episode 5: GLOBE in Asia and Pacific**
The GLOBE Implementation Office · 145 views · 3 months ago · 6:30
- 7  **Agents of Change -- Episode 6: GLOBE in Europe and Eurasia**
The GLOBE Implementation Office · 154 views · 2 months ago · 8:56

Agents of Change Video Series

GUIDE TO VIEWING

<https://www.globe.gov/do-globe/classroom-ready-activities/agents-of-change-videos>

PLAYLIST

https://www.youtube.com/playlist?list=PLfpnkASII_NaO8b7708JZe0HF1D7OcHZ9

The GLOBE Program

www.globe.gov

contact me at:
janeth@ucar.edu

For more inform



Episode 3: North America - United States



Activity Demonstration: Precipitation Towers

Participants create 3D graphs to compare precipitation levels from different locations.

Age group: elementary and tweens

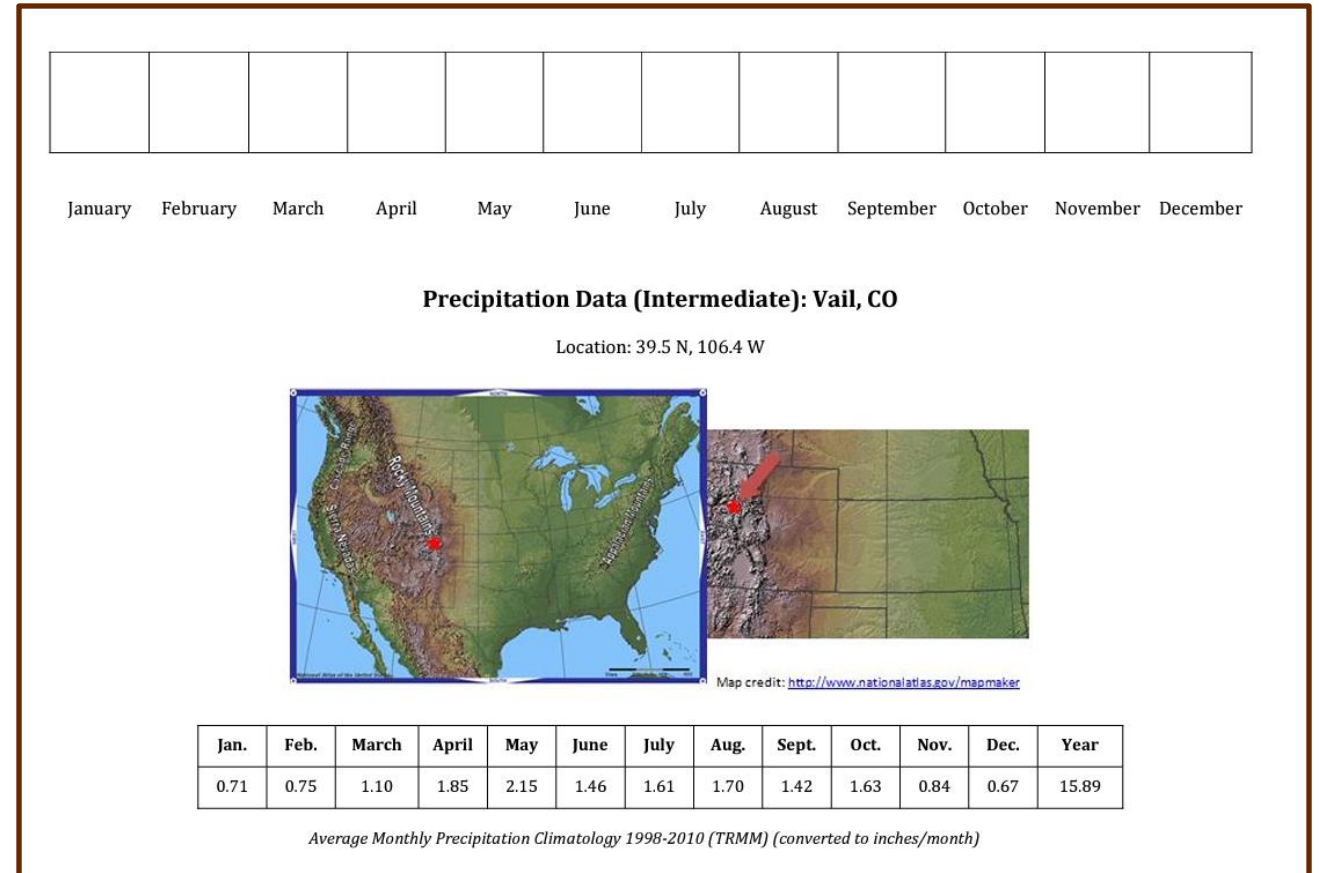
Time to complete: 20-40 minutes



Activity Demonstration: Precipitation Towers

Files include:

- Precipitation data across the U.S.
- Precipitation data around the globe
- Data collection sheet
- 3D printer file to create bases for precipitation towers



Activity Demonstration: Precipitation Towers

Precipitation Data (Basic): San Francisco, CA

Location: 39.2 N, 119.8 W



Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
5	5	3	1	1	0	0	0	0	1	3	5	24

Average Monthly Precipitation Climatology 1998-2010 (TRMM) (converted to inches/month and rounded to whole numbers)



Activity Demonstration: Precipitation Towers

Precipitation Data (Basic): Washington, D.C.

Location: 38.9 N, 77.0 W



Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
3	3	3	3	3	4	3	3	4	3	3	3	38

Average Monthly Precipitation Climatology 1998-2010 (TRMM) (converted to inches/month and rounded to whole numbers)



Activity Demonstration: Precipitation Towers



San Francisco



Washington, D.C.

Episode 4: Near East and North Africa - Oman



Additional 'Agents of Change' Videos

Episode 1: Africa - Kenya

Creative GLOBE students in Ortum, Kenya, collecting environmental data using home-made weather instruments, find themselves the beneficiaries of a new 3D printed weather station.



Additional 'Agents of Change' Videos

Episode 2: Latin America and Caribbean - Brazil

Luis, age 9, Rio de Janeiro, Brazil, develops a passion for exploring the habitats and life cycles of mosquitoes, and takes measures to eradicate the spread of mosquito-borne diseases in his community.



Additional 'Agents of Change' Videos

Episode 5: Asia and Pacific - Nepal

GLOBE students and teachers from Nepal, India, Bhutan, Philippines, Taiwan, Thailand and the United States participate in the Nepal Lake Pokhara Expedition to learn about the most essential resource to life on Earth: water.



Additional 'Agents of Change' Videos

Episode 6: Europe and Eurasia - Croatia

Focusing on Croatia, one of the earliest adopters of The GLOBE Program, the film provides an understanding the origin of The GLOBE Program in the U.S. and its proliferation in the Europe and Eurasian region.



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www.clearinghouse.starnetlibraries.org



Next FREE Webinar

Water Stories: Photo
Tips, Compelling
Visuals, and
Storytelling
Techniques

October 17 at 2 pm
Mountain Time

Register: <https://www.starnetlibraries.org/development/webinars/>



Thank you!

Any Questions?

