

What are you teaching your visitors these days?

SOS Education Forum



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

February 8 , 2023





Agenda

Reminders from SOS Team

The Wild Center's Climate Solutions Exhibit

Elodie Linck

SOS Team - Hot New Datasets!

Tsunami: Asteroid Impact - 66 million years ago
Resilient Community



SOS Users Collaborative Network





Reminders from SOS Team in Boulder

SOS Transitioned:

All servers and technology have been moved to the cloud

ACTION: Please check your RT datasets, be sure they are up to date, especially if you have firewall issues at your site.

Contact sos.support@noaa.gov if you have any issues or questions

Social Media posts:

Facebook & Instagram - @scienceonasphere

SOS Ed Forum Topics:

We are always open to your ideas and suggestions for topics and presentations or needed trainings. Email Hilary.Peddicord@noaa.gov



Climate Solutions and SOS at The Wild Center



Elodie Linck, Youth Climate Coordinator
The Wild Center

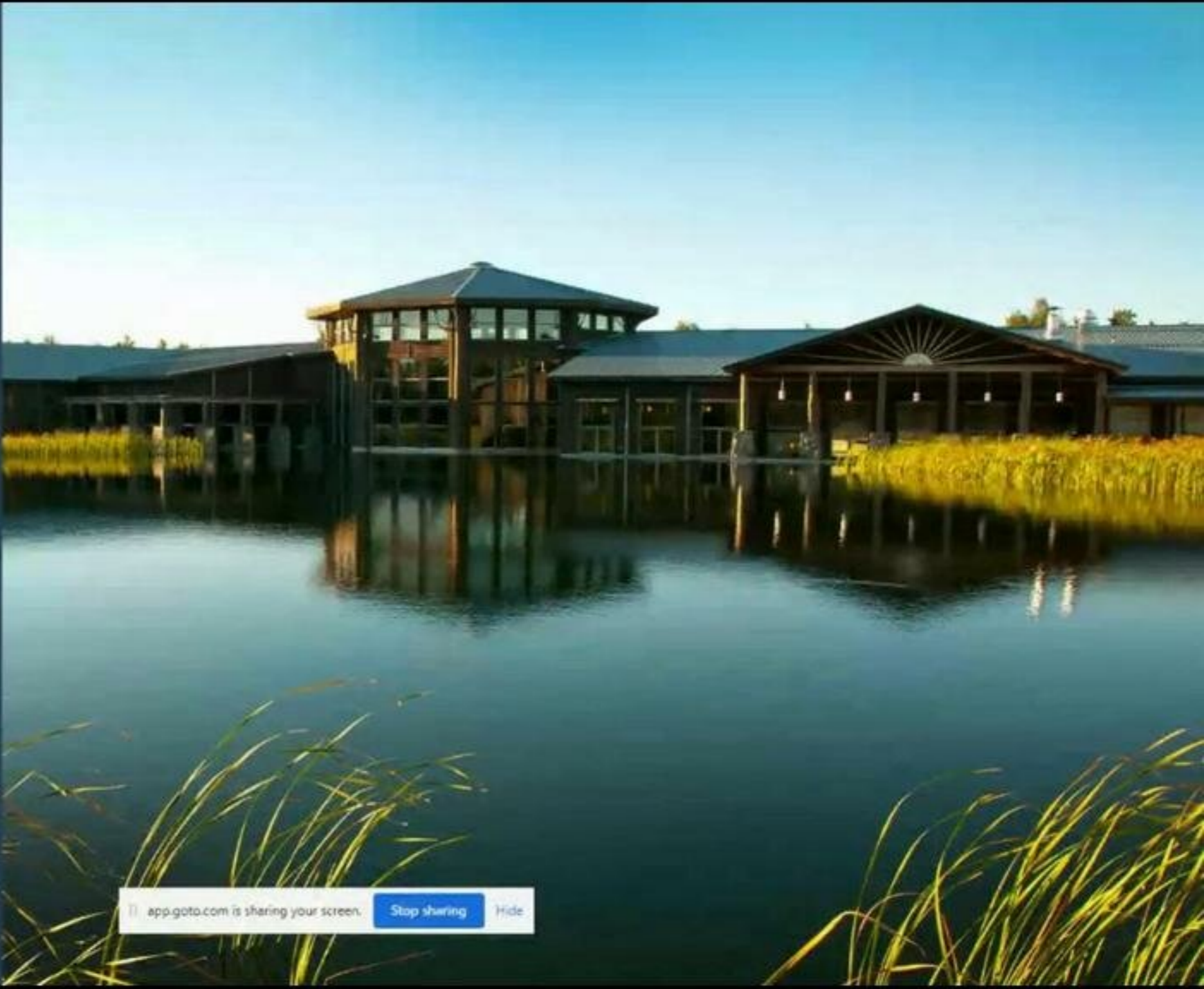
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February 8th, 2023



AGENDA

- Wild Center Initiatives
- Climate Solutions Exhibit
- SOS Climate Programming
- Questions?

THE WILD CENTER



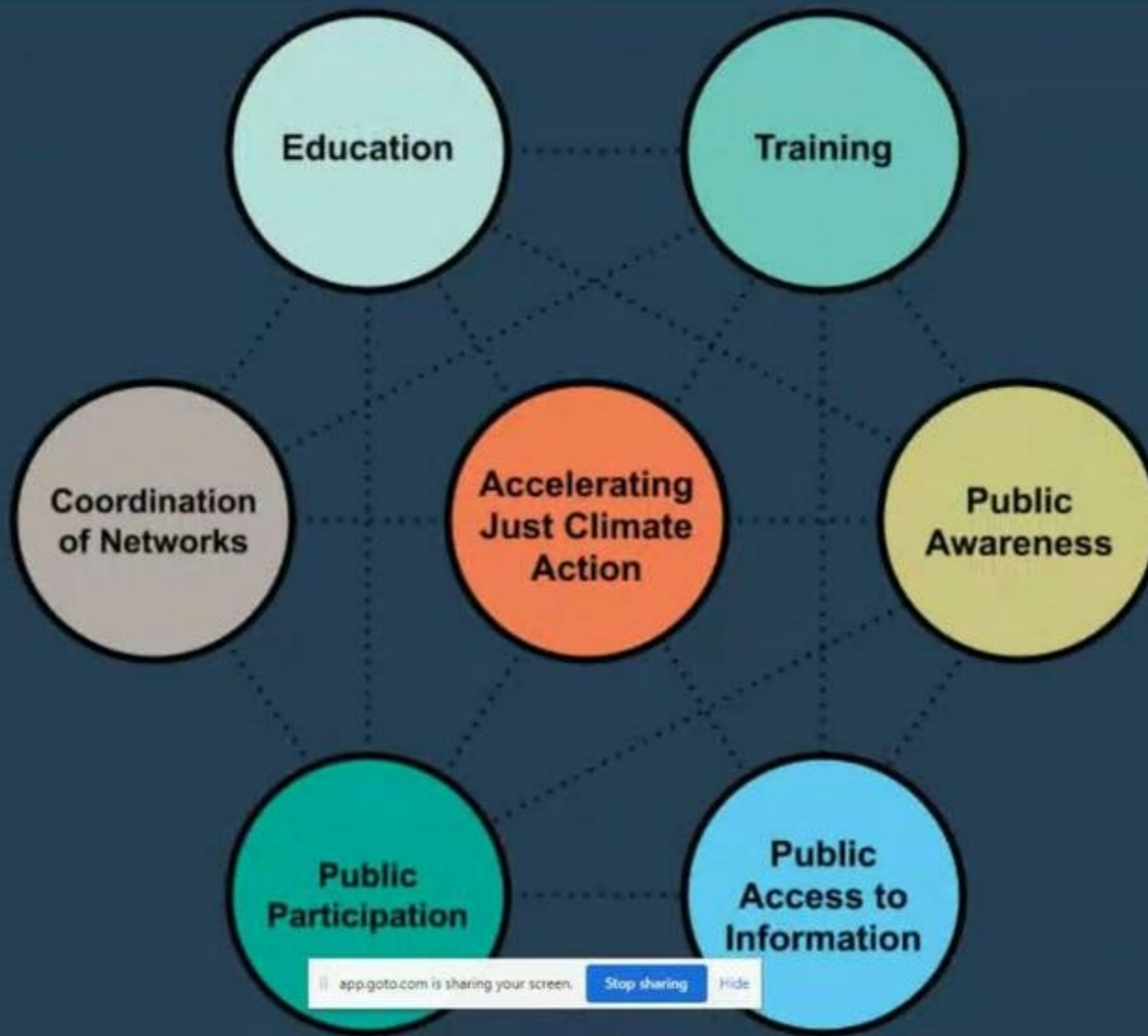
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The Wild Center's Climate Initiatives

- **Youth Climate Program**
 - Youth Climate Summits and Leadership Trainings
- **Climate Solutions Exhibit & Related Films, Programs, etc.**
 - Climate school programming
 - Climate public programming
- **Campus Initiatives**
 - LEED Silver, renewable energy, local food, store, staff training

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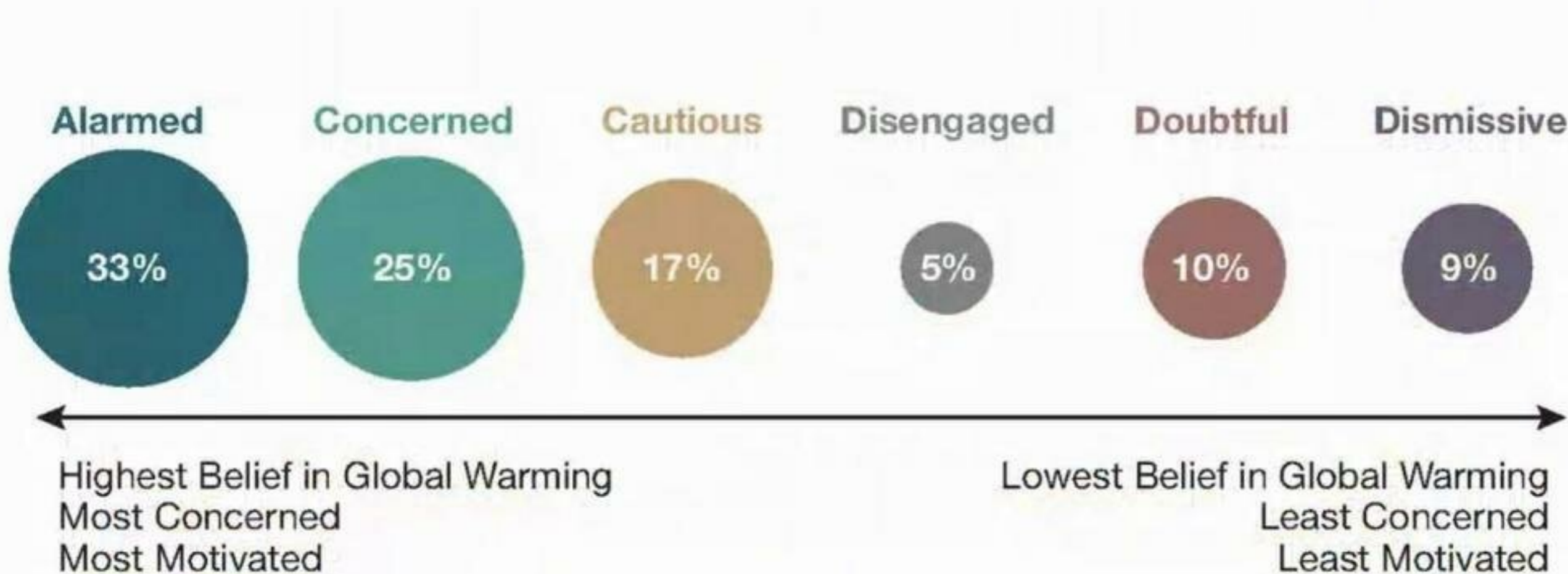




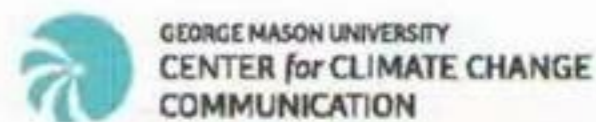
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The Wild Center's Climate Solutions Exhibit



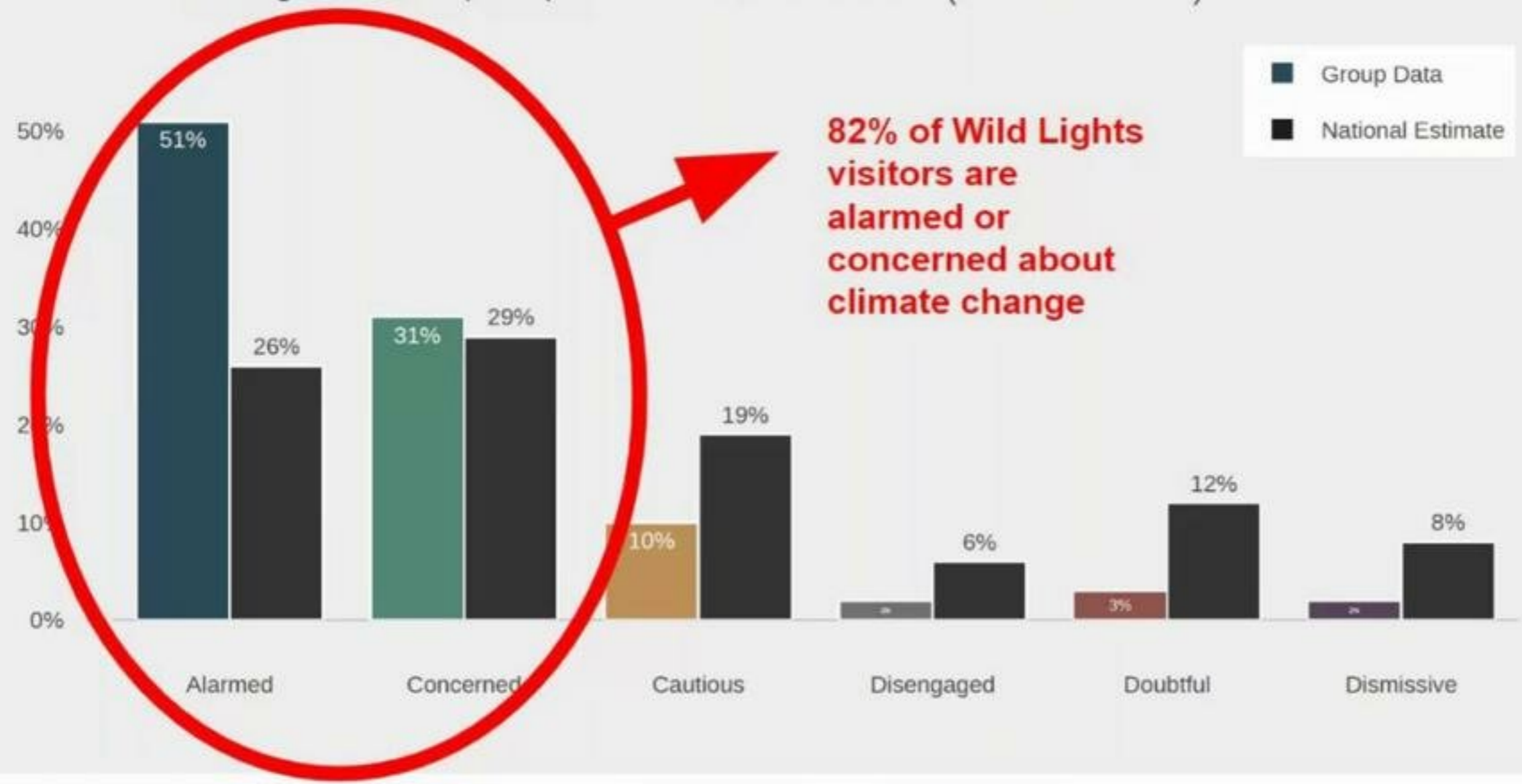


September 2021
(n=1,006)



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Wild Lights visitors (2021) vs. National Estimates (December 2020)



82% of Wild Lights visitors are alarmed or concerned about climate change

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Big Idea: People across sectors, generations, and backgrounds are building a web of climate solutions and are inviting all of us to find our place in the climate movement.

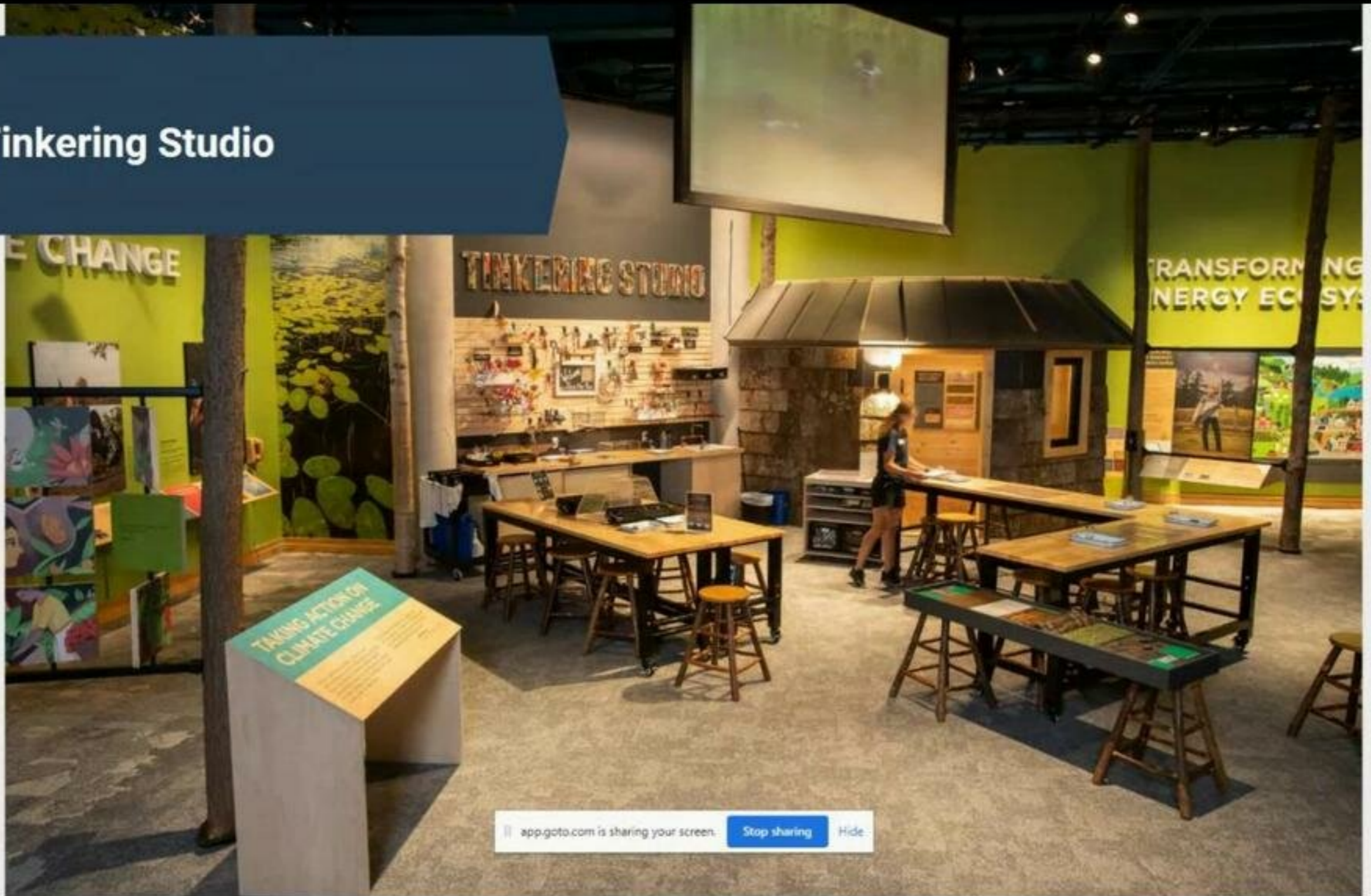


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Tinkering Studio



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Example



Place-Based



OUR ONE HOME



REBUILDING



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Connecting to Other Spaces

- We want our visitors to see everything!
- Makes a more cohesive experience
- Drives the point home - hearing things multiple times and ways
- Learn different concepts in different areas- but they're all connected (solutions and science/impacts)!



Planet Adirondack (SOS)



- Installed May 2012
- 900,000+ visitors since opening
- Emphasis on in-person interaction
 - Kiosk and staff programs/
Q&A

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Climate Clusters

- 5 fellows, 1-4 clusters each
- Mentorship period
- Available on ipad for others to run



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Climate Clusters

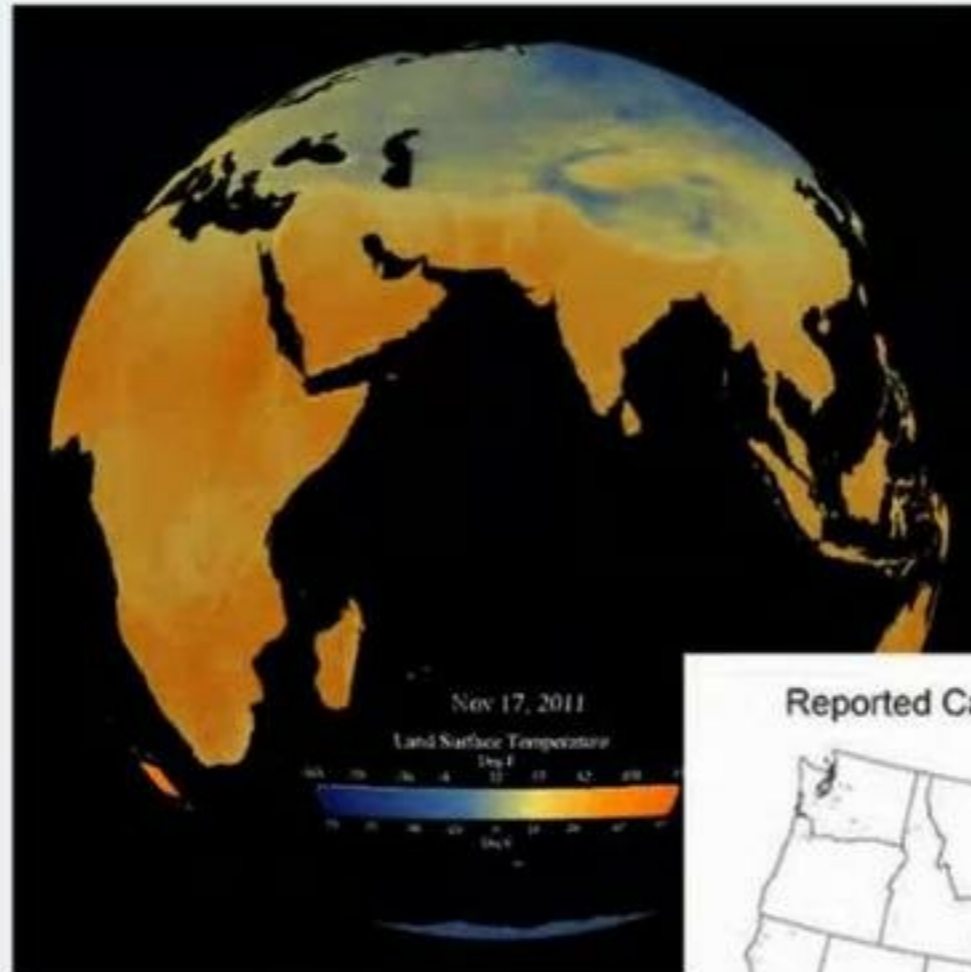
- 5-10 dataset playlist
- Combination of NOAA datasets and PIPs from The Wild Center or staff
- Climate science, impacts, justice, and **INDIVIDUAL** stories
- Originally created by fellows, but available on Ipad for all to use and create more



What's happening?

What's causing it?

What are the effects?



Reported Cases of Lyme Disease -- United States, 2015



1 dot placed randomly within county of residence for each confirmed case

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Centering Equity and Justice

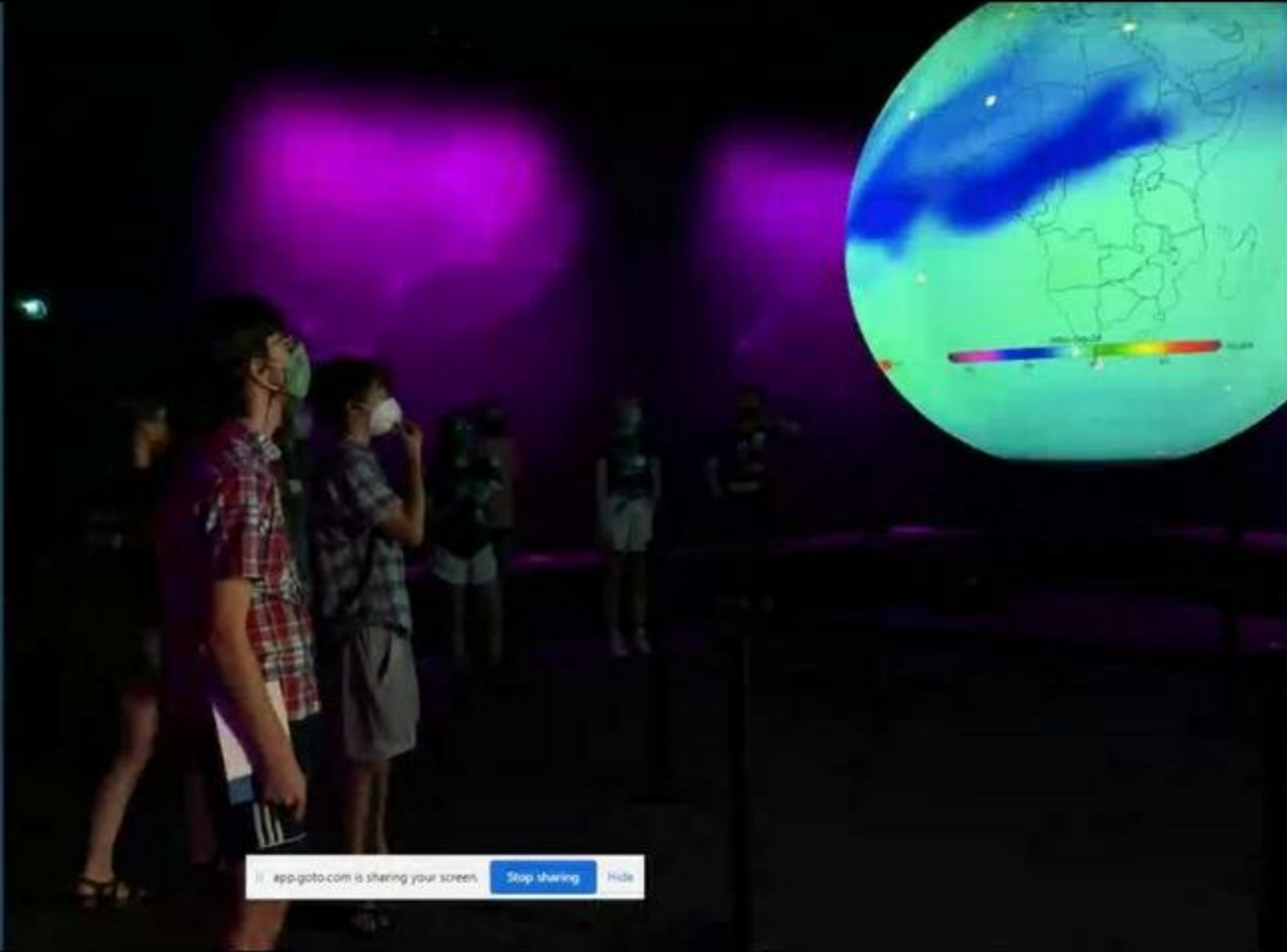
- Climate change exacerbates pre-existing inequalities, inequities, and injustices in our world. How does that show up in these datasets?
- How are marginalized communities disproportionately impacted by climate change impacts? How can these stories show up here?

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Youth Climate Program

Climate 101



School and Public Programs



What Have we Learned?

- Visitors are **more receptive** to climate information than we thought
- Even climate alarmed/engaged folks have **a lot to learn**
- Visitors are sometimes more excited about **animals** than climate change
- **Climate conversations** NEED to be a daily occurrence

Questions?



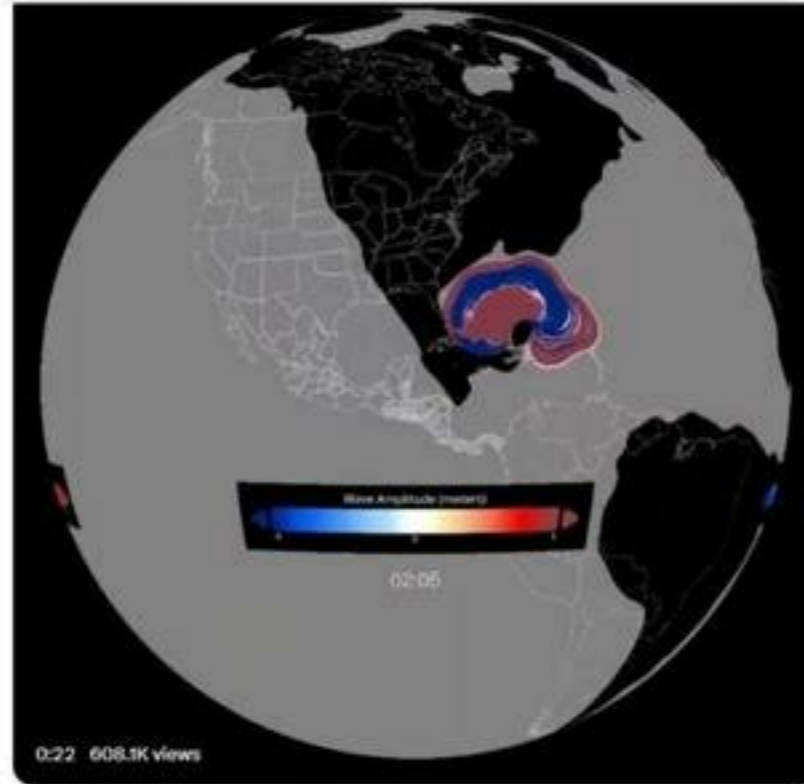
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8:50 AM · Jan 30, 2023 · 2.1M Views

2,709 Retweets 248 Quote Tweets 11.2K Likes



Stephen @IDroidGuy · Jan 30
Replying to @NOAAeducation

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Relevant people



NOAA Education ✓
@NOAAeducation

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Opportunities and resources from across @NOAA for students, educators, and curious people everywhere. #NOAAscholars #NOAAResourceOfTheDay #grants #scholarships

What's happening

NBA · Last night
Thunder at Lakers



Sports · Trending
#MUNLEE
Trending with Leeds, Ghanta

Sports · Trending
Cal Ripken

Trending in United States
Messi
212K Tweets

Trending in United States
#TurkeySyriaEarthquake
97.2K Tweets

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Don't miss what's happening

People on Twitter are the first to know.

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Resilient Community

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▶ 0:00 / 2:01

Details

Added to the Catalog

2 Feb. 2023

Available for

SOS

Categories

People: Transportation, Human Impact, Communication, Energy

Keywords

Activity, Civic engagement, community, Ecosystem, Environmental literacy, Green, Natural Resources, Resiliency, Resilient, Steward, Theory of change, Vision

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Description

Notable Features



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- Youth gathering at a science center for a youth summit



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This illustration from NOAA's [Environmental Literacy Program](#) depicts several key aspects of the [NOAA Community Resilience Education Theory of Change](#). This community represents a vision of the future where children, youth, and adults are

Notable Features [↗](#)

- Youth gathering at a science center for a youth summit
- Community members engaging with City Hall

on page 10. We have a text file that appears with the dataset that encourages people to participate in the activity.

[Paper Globe Cutouts](#) are available for this dataset!

Related Resources [↗](#)

- [NOAA's Community Resilience Education Theory of Change](#)
- [NOAA Environmental Literacy Program Resilience Hub](#)
- [Climate Resilience in Your Community Activity Book](#)
- [Community Resilience Coloring Page](#)

Contacts [↗](#)

Dataset Contact [↗](#)

[NOAA Office of Education](#)

Dataset Developer [↗](#)

Jessica B. Bartram

[NOAA Office of Education](#)

Dataset Vis Developer [↗](#)

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[NOAA Office of Education](#)

[NOAA's Global Systems Laboratory](#) [↗](#)

Eric Hackathorn


Science On a Sphere

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- Community members are hopeful about the future and know how to bring about change.

This dataset features two additional layers that have labels for the resilient aspects of the community in English and Spanish. In the SOS Remote iPad app, click the number in a circle next to the title of the dataset when it is loaded to turn these layers on and off. Additionally, there is a Theory of Change [Activity Book](#) created by NOAA and partners that includes directions on how to lead the scavenger hunt on page 10! We have a text PIP that appears with the dataset that encourages people to participate in the activity.

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community represents a vision of the future where children, youth, and adults are learning together and are directly engaged in activities that improve the resilience of their community. Institutions, including museums, aquariums, schools, universities, companies, and centers of government, are also working to increase community resilience. Consider using this dataset as a scavenger hunt activity, where viewers point out signs of a resilient community.

The resilient community is equitable, just, and inclusive. Here are some examples of what that means for the community:

- It is governed by policies that reflect the values of diverse community members. Community members themselves are informed and civically engaged.
- The community is collectively environmentally literate. They understand environmental hazards that impact them and know what to do to address them.
- The community is sustainably built and greenhouse gas emissions are reduced. Dramatic differences in vulnerability to weather and climate hazards no longer exist.
- All people, infrastructure, and ecosystems are resilient to weather and climate hazards. Community members learn about each other and where they live, help each other in times of need, and cooperate to restore ecosystems.
- Community members are hopeful about the future and know how to bring about change.

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Related Resources

- Students and teachers creating rain gardens in the school yard
- Houses adapted to living by the coast and experiencing frequent storms
- Community members engaging in community science
- People restoring their coastline through sea grass plantings and building oyster castles
- People planting trees to address urban heat islands
- People engaging in healthy activities such as cycling
- And as a bonus, if you look closely, there is a Science On a Sphere in the science museum!

Data Source

NOAA Office of Education



Resilient Community

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