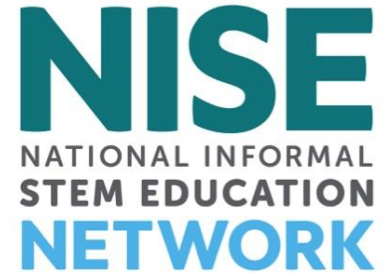


NISE Net Online Workshop

Celebrating Earth Day 2020 at Home

Tuesday, April 7, 2020



Welcome!

Today's presenters are:

- **Brad Herring**, Museum of Life and Science, NC
- **Darrell Porcello**, Children's Creativity Museum, CA
- **Jeannie Colton, Dean Frias & Nich Weller**, Arizona State University, AZ



As we wait to get started with today's discussion, please:

Introduce yourself! Type your name, institution, and location into the Chat Box

Questions? Feel free to type your questions into the Chat Box at any time throughout the webinar or use the raise your hand function in the participants list and we'll unmute your microphone.

Today's discussion will be recorded and shared on nisenet.org at: nisenet.org/events/online-workshop

Celebrating Earth Day at Home Overview



5 min

Brad Herring – COVID-19 NISE Network update & resources

5 min

Darrell Porcello – NISE Network and NASA resources for digital engagement

5 min

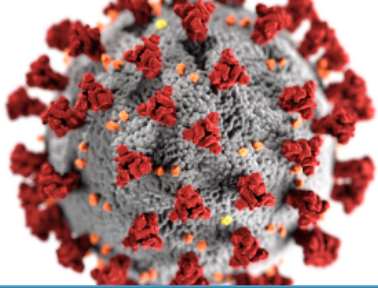
Jeannie Colton—Citizen science at home

5 min

Dean Frias & Nich Weller—Sustainability in Science Museums activities and resources

40 min

You – Informal share-out on digital engagement tips and strategies



COVID-19 NISE Network Update

NISE Net Online Get-Together

Informal sharing of resources for digital engagement

Tuesday, March 31, 2020



Welcome!

Today's presenters are:

- Brad Herring, Museum of Life and Science, NC
- Darrell Porcello, Children's Creativity Museum, CA
- Emily Belle, Sciencenter, NY

As we wait to get started with today's discussion, please:

Introduce yourself! Type your name, institution, and location into the [Chat Box](#)

Questions? Feel free to type your questions into the [Chat Box](#) at any time throughout the webinar or use the raise your hand function in the participants list and we'll unmute your microphone.



56:41

Today's discussion will be recorded and shared on nisenet.org at: [nisenet.org/events/online-workshop](https://www.nisenet.org/events/online-workshop)

NISE Network Online Informal Get-Together: Sharing resources & strategies for engaging & supporting our communities

NOT YET RATED

5 days ago | More

NISE Network PRO

Settings Review tools Send file

16 0 0 0

In response to the COVID-19 impact on all of our communities and to try and support all of our partners during this difficult time, NISE Net staff and our fellow NISE Net partners gathered online for an informal get-together to share resources and strategies for engaging and supporting our communities. NISE Net staff shared some at-home resources we've put together and then we opened up the discussion for everyone to share their resources and strategies they're currently considering. Please visit the NISE Net webpage for additional resources shared during this online together.

[nisenet.org/catalog/nise-network-online-informal-get-together-sharing-resources-strategies-engaging-supporting](https://www.nisenet.org/catalog/nise-network-online-informal-get-together-sharing-resources-strategies-engaging-supporting)

This column is only visible to you

See video analytics

My videos

Autoplay next video



NISE Network ...
NISE Network



NISE Network ...
NISE Network



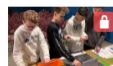
Online Worksh...
NISE Network



Let's Do Chemi...
NISE Network



Let's Do Chemi...
NISE Network



Moon Game Te...
NISE Network

- Toolkit reporting update
- Coronavirus museum resources
- Do science at home resources
- Tips for working from home
- Creative Commons and copyright issues
- Resources for digital public engagement

<https://www.nisenet.org/coronavirus>

<https://www.nisenet.org/athome>

Upcoming Online Workshop



Image Credit: Lawrence Hall of Science

Online Workshop: Virtual camps and strategies to reach underserved communities and underrepresented groups

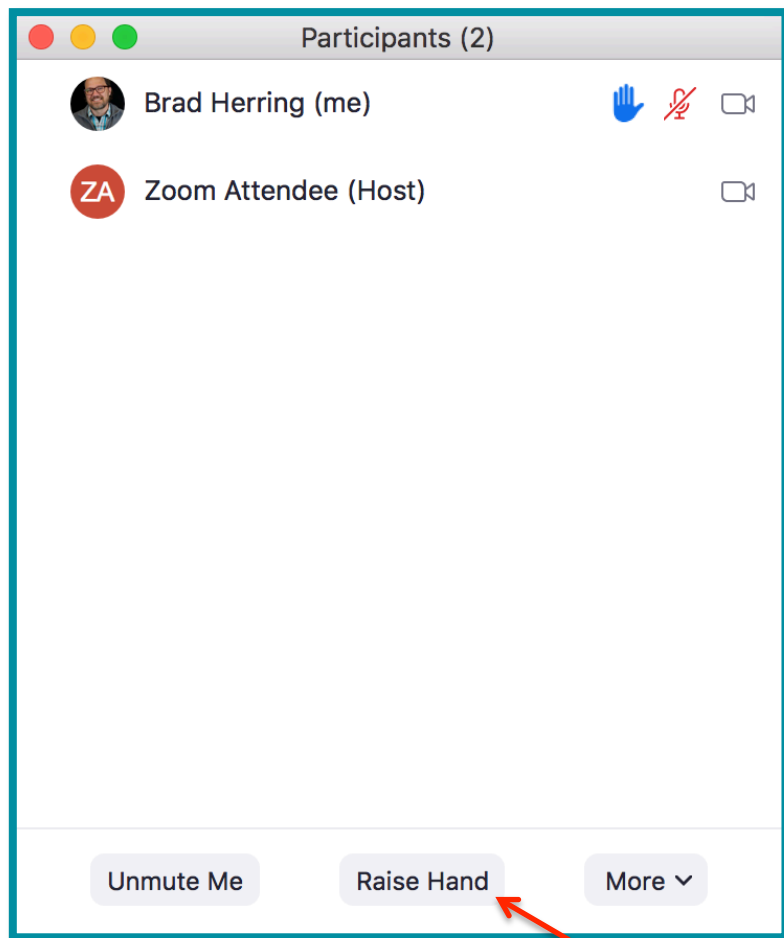
Tuesday, May 5, 2020

2pm-3pm Eastern /

11am-12pm Pacific

**Learn more at
nisenet.org/events**

How to Participate in the Share-Out

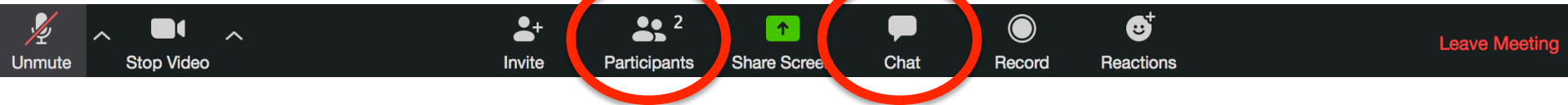


How to talk

- Raise your hand
- Keep yourself muted
- Keep the conversation constructive
- Reminder that today's session is being recorded

How to chat

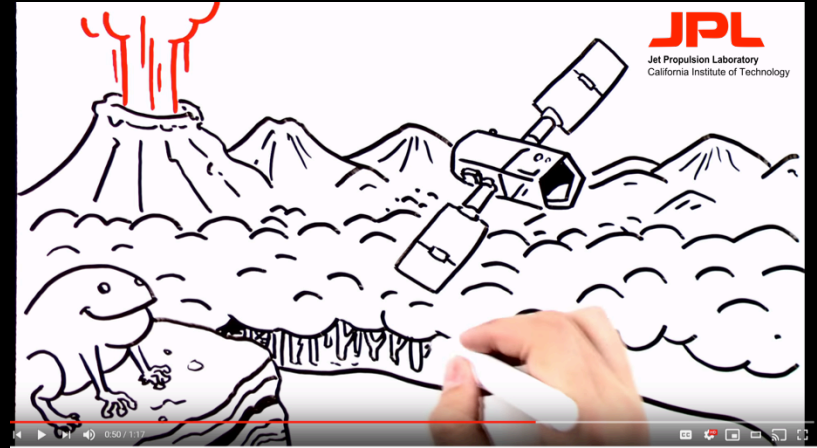
- Enter your comments and questions into the chat box




At-Home Friendly Experiences on nisenet.org/earth50



Hands-on Earth Activities



Earth Videos, E-books, and Image Collections



VISUALIZATION EXPLORER


NASA science: revealed.

This is the NASA Visualization Explorer—the coolest way to get stories about NASA's exploration of the Earth, sun, moon, planets and universe delivered to your iOS and Android devices.

version 1.9.11, iOS 6.1+

Download on the App Store

GET IT ON Google Play



SUPER BLOOMS

Marine plants multiply and take over the seas.

Turbulent storms churn the ocean in winter, adding nutrients to sunlit waters near the surface. This sparks a feeding frenzy each spring that gives rise to massive blooms of phytoplankton. Tiny molecules found inside these microscopic plants harvest vital energy from sunlight through photosynthesis. The natural pigments, called chlorophyll, allow phytoplankton to thrive in Earth's oceans and enable scientists to monitor blooms from space. Satellites reveal the location and abundance of phytoplankton by detecting the amount of chlorophyll present in coastal and open waters—the higher the concentration, the larger the bloom. Observations show blooms typically last until

Earth Apps and Interactives



Choose your protocol:



Earth Citizen Science Projects

At-Home Friendly Experiences on nisenet.org/earth50



Exploring Earth: Paper Mountains

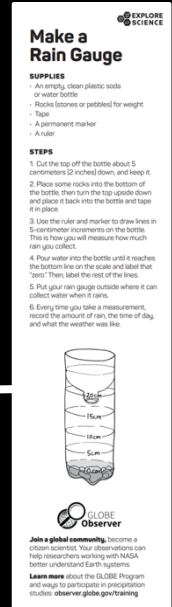
Toolkit Connections



Extensions



Video with content



Take-away



DIY Lake Science printable activities (12 activities)

bit.ly/diylakesci

Earth Day at home for young learners (20 activities)

howtosmile.org



At-Home Friendly Experiences on nisenet.org/earth50



NASA's Earth Minute Video Series from the Jet Propulsion Laboratory



VISUALIZATION EXPLORER

NASA science: revealed.

This is the NASA Visualization Explorer—the coolest way to get stories about NASA's exploration of the Earth, sun, moon, planets and universe delivered to your iOS and Android devices.



Tweet

version 1.9.11, iOS 6.1+

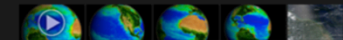


SUPER BLOOMS

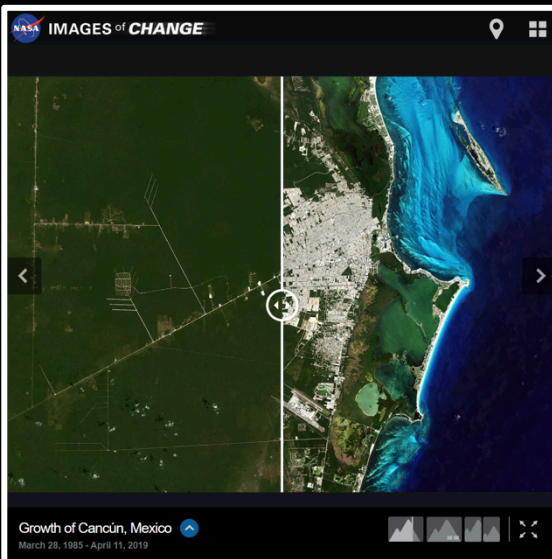


Marine plants multiply and take over the seas.

Turbulent storms churn the ocean in winter, adding nutrients to sunlit waters near the surface. This sparks a feeding frenzy each spring that gives rise to massive blooms of phytoplankton. Tiny molecules found inside these microscopic plants harvest vital energy from sunlight through photosynthesis. The natural pigments, called chlorophyll, allow phytoplankton to thrive in Earth's oceans and enable scientists to monitor blooms from space. Satellites reveal the location and abundance of phytoplankton by detecting the amount of chlorophyll present in coastal and open waters—the higher the concentration, the larger the bloom. Observations show blooms typically last until



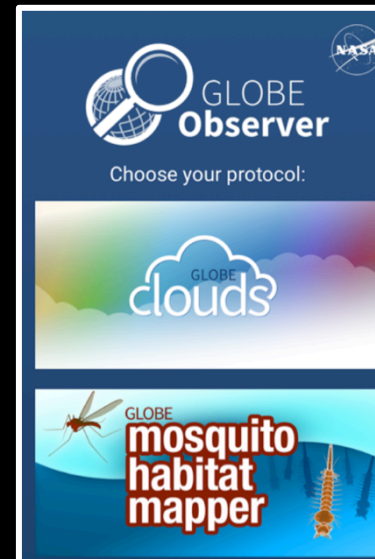
Visualization Explorer from NASA Goddard



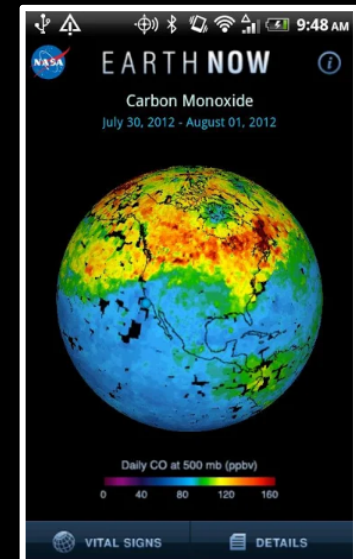
Images of Change



Earth Observatory



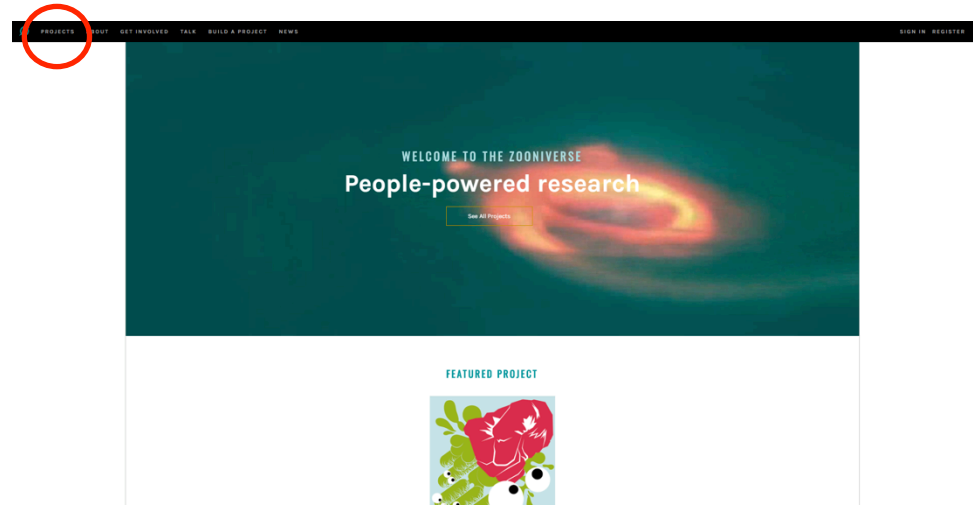
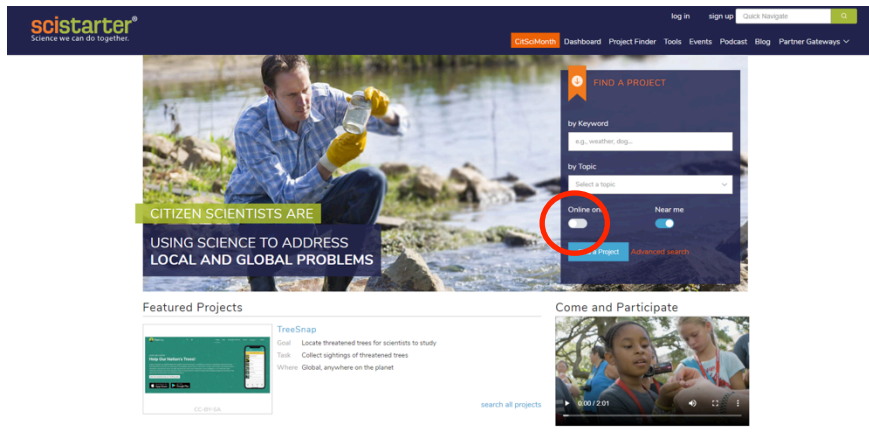
GLOBE Observer App



Earth Now App

Citizen Science at Home

Platforms for finding projects that can be done online and at home:
www.scistarter.org & www.zooniverse.org



At home:

Zombee Watch

- www.zombeewatch.org

Bugs in our backyard

- www.bugsinourbackyard.org

iNaturalist

- www.inaturalist.org

Online:

Galaxy Zoo

- www.zooniverse.org/projects/zookeeper/galaxy-zoo

Stall Catchers

- www.stallcatchers.com/main

Wildcam Gorongosa

- www.scistarter.org/wildcam-gorongosa

Sustainable Futures Programs



A collection of new public programs exploring sustainable futures. Each program in the collection includes a complete set of digital resources, instructions, and training materials.



1. *Games for the Future*, a set of activities designed to engage participants in futures thinking and learning about the United Nations Sustainable Development Goals.
2. *Watch and Create*, Families work together to explore their relationship with technology and examine ways to make sustainable media consumption choices.
3. *Good Life Challenge*, A way to learn and explore individual actions that support the United Nations Sustainable Development Goals.

<https://www.nisenet.org/sustainable-futures>

Staff Development: Sustainability and Earth Day

Explore the Sustainable Development Goals and ways your organization can pursue them.





- Training Guide:
https://www.nisenet.org/sites/default/files/catalog/uploads/sdg_brainstorm_training_guide.pdf
- Worksheet:
https://www.nisenet.org/sites/default/files/catalog/uploads/sdg_brainstorm_worksheet.docx

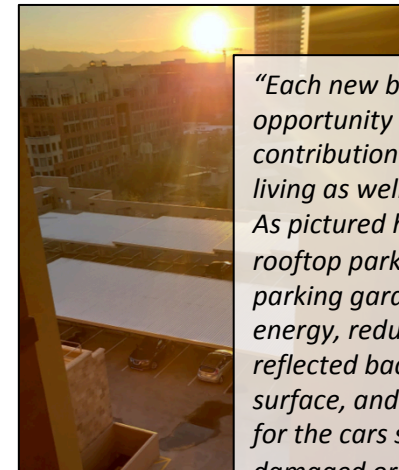
Use photos to explore what sustainability means to you and others on your team.

- Training Guide:
https://www.nisenet.org/sites/default/files/catalog/uploads/photovoice_training_guide.pdf

Explore how sustainability fits with your organization's mission and plan sustainability efforts:

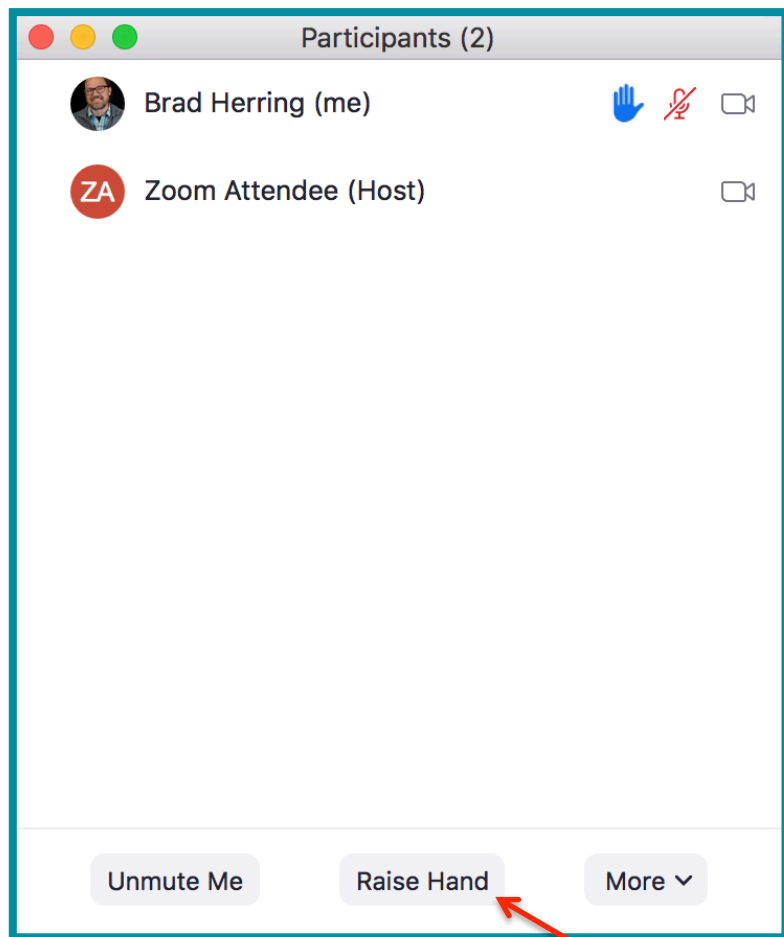
- Conversation Guide:
https://www.nisenet.org/sites/default/files/catalog/uploads/conversation_training_guide.pdf
- Sustainability Project Planning Table:
https://www.nisenet.org/sites/default/files/catalog/uploads/planning_table_training_guide_and_worksheet.docx

5 GENDER EQUALITY 	EXAMPLE: Every year for women's history month we highlight the accomplishments of local women and the potential of all girls to succeed. We also offer special programs for both brownies/girl scouts and cub/boy scouts. We could reach out to women's support groups and/or LGBTQ organizations in our community and learn more about what they do.
6 CLEAN WATER AND SANITATION 	EXAMPLE: Our summer campers test water in the stream outside our museum to see if our local water is clean. We should see if there are any citizen science projects that we could contribute data to.
7 AFFORDABLE AND CLEAN ENERGY 	EXAMPLE: We have an exhibit that shows how solar panels work, which is sponsored by our local energy utility. We could add information about how families can enroll in the program to use clean energy sources and let visitors know that our museum participates.
8 DECENT WORK AND ECONOMIC GROWTH 	EXAMPLE: We participate in our community's job training program for teens. Some of our staff and volunteers feel that this is a very time intensive effort. Can we increase internal support for the program if we frame it as a sustainable development effort? Could we get funding for the program if we pitch it this way?



"Each new built space is an opportunity to maximize on its contribution to sustainable living as well as its function. As pictured here, covering the rooftop parking spaces of a parking garage creates clean energy, reduces the heat reflected back by the garage's surface, and provides shade for the cars so they're not damaged or too hot to immediately enter upon return."

How to Participate in the Share-Out

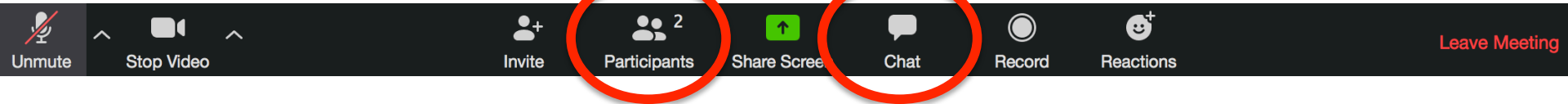


How to talk

- Raise your hand
- Keep yourself muted
- Keep the conversation constructive
- Reminder that today's session is being recorded

How to chat

- Enter your comments and questions into the chat box



Upcoming Online Workshop



Image Credit: Lawrence Hall of Science

Online Workshop: Virtual camps and strategies to reach underserved communities and underrepresented groups

Tuesday, May 5, 2020

2pm-3pm Eastern /
11am-12pm Pacific

**Learn more at
nisenet.org/events**

Get Involved

Learn more and access the
NISE Network's online digital resources
nisenet.org



**Subscribe to the
monthly newsletter**
nisenet.org/newsletter



**Continue the online
conversation**
bit.ly/nisenetryver



Follow NISE Net on social networking
nisenet.org/social

Thank You



Image Credit: Lawrence Hall of Science