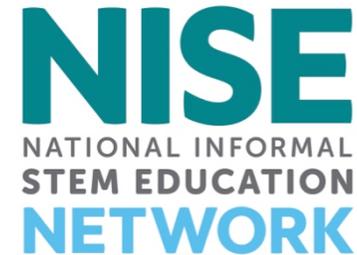


# NISE Net Online Workshop

## Explore Science: Earth & Space Toolkits

*Tuesday, September 12, 2017*



***Welcome!***

**Today's presenters are:**

**Ali Jackson, *Sciencenter***

**Christina Leavell, *Science Museum of Minnesota***

**Tifferney White, *Discovery Children's Museum***

**Patsy Reublin, *Bootheel Youth Museum***



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

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

**Call into the phone line (optional)** at (877) 898-0037 (if using the phone line please make sure to mute your phone when not talking and also your computer's microphone)

**Questions?** Feel free to type your questions into the Chat Box at any time throughout the webinar

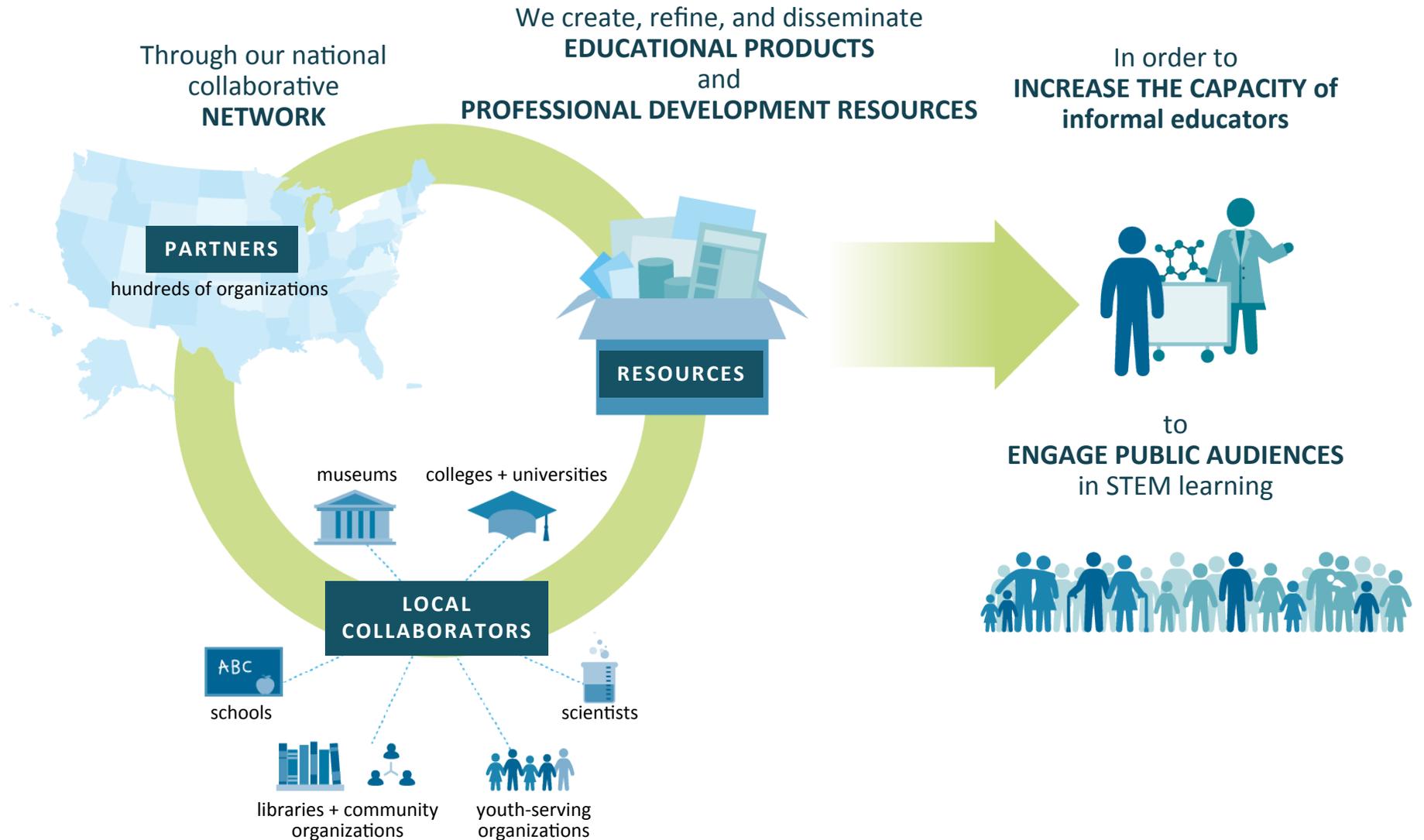
**Today's discussion will be recorded and shared on nisenet.org at: [nisenet.org/events/online-workshop](http://nisenet.org/events/online-workshop)**

# Online Workshop



- What is the NISE Network?
- 2018 *Explore Science: Earth and Space* toolkit
- Toolkit application and reporting
- Connecting with your local experts/volunteers
- Children's Discovery Museum
- Bootheel Youth Museum
- Q/A

# The NISE Network



# What We Create



## Educational products

- kits of hands-on activities for use in museums (and similar settings)
- exhibits for museums

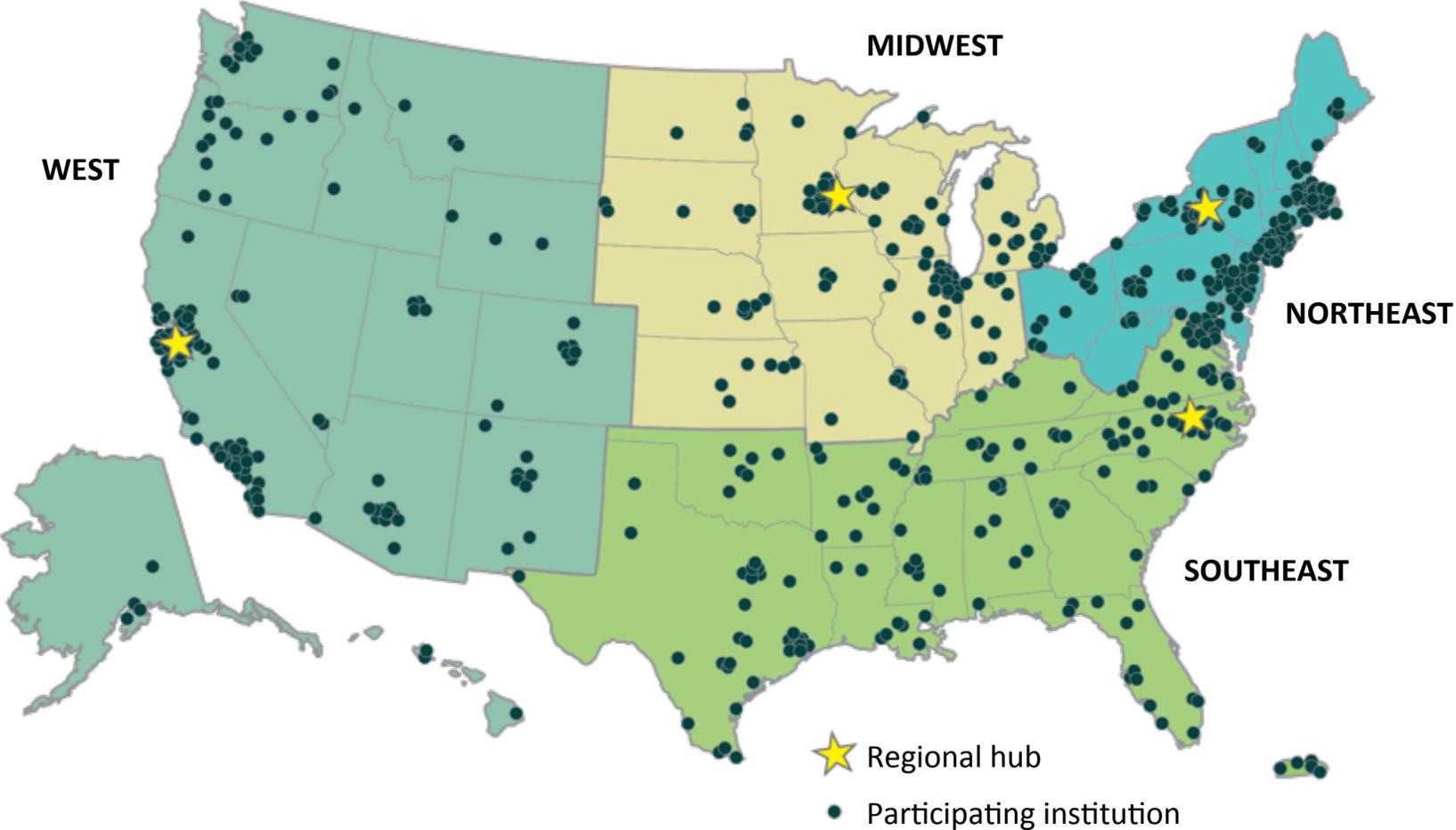


## Professional development tools

- training videos
- online workshops
- written guides
- planning resources

All resources are available for free download at [nisenet.org](http://nisenet.org)

# Hundreds of organizations participate in NISE Network activities across the United States.



Together we reach  
**millions of people each year!**



# Stay Connected

**NORTHEAST** – Ali Jackson - Sciencenter, Ithaca, NY

Northeast: NY, VT, NH, ME, RI, CT, and MA

Mid-Atlantic: PA, NJ, MD, DC, DE, OH, and WV

**SOUTHEAST** – Brad Herring - Museum of Life and Science, Durham, NC

Southeast: VA, NC, SC, KY, TN, LA, MS, AL, GA, FL, and Puerto Rico

South: TX, AR, and OK

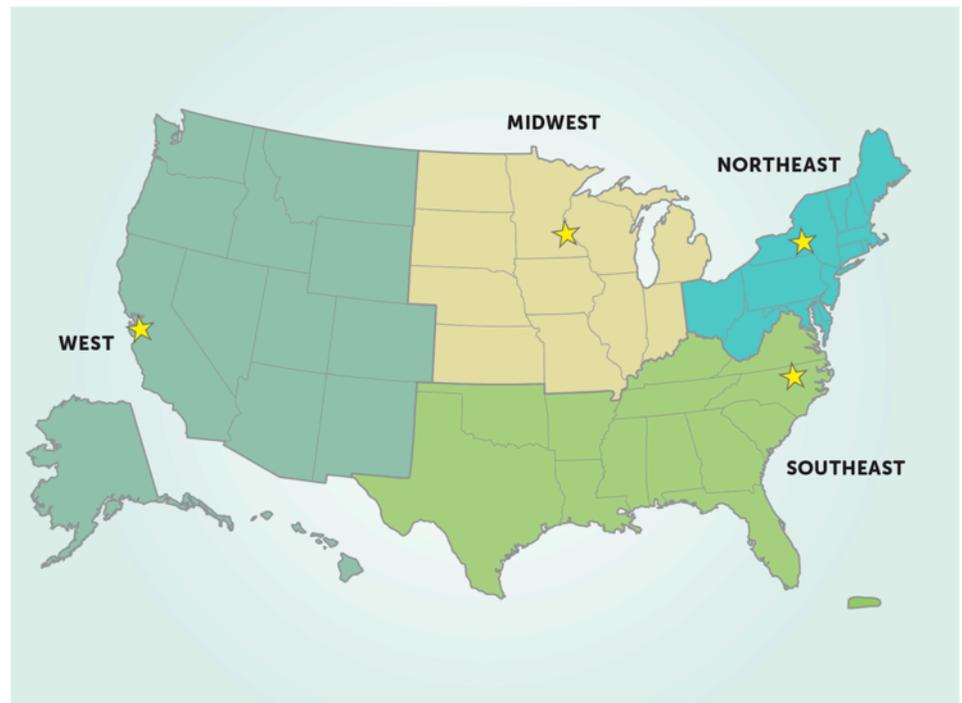
**MIDWEST** – Christina Leavell - Science Museum of Minnesota, St. Paul, MN

ND, SD, NE, KS, MN, IA, MO, WI, IL, MI, and IN

**WEST** – Frank Kusiak - UC Berkeley Lawrence Hall of Science, Berkeley, CA

Southwest: CA, NV, AZ, and HI

West AK, WA, OR, ID, MT, WY, CO, UT, and NM



**EXPLORE SCIENCE:  
EARTH & SPACE  
TOOLKIT**



## **GOALS**

Engage public and professional audiences in learning about Earth and space sciences

Encourage new and strengthened partnerships among national and local organizations that support informal and lifelong learning



# Toolkit Contents

## Each kit includes:

- hands-on activities
- posters, media, and graphics
- event planning materials
- training videos



# What's in the Box?



Kit contents, packed for shipping



Materials for one activity



Kit contents, boxes opened



Professional resources

# Example Activity





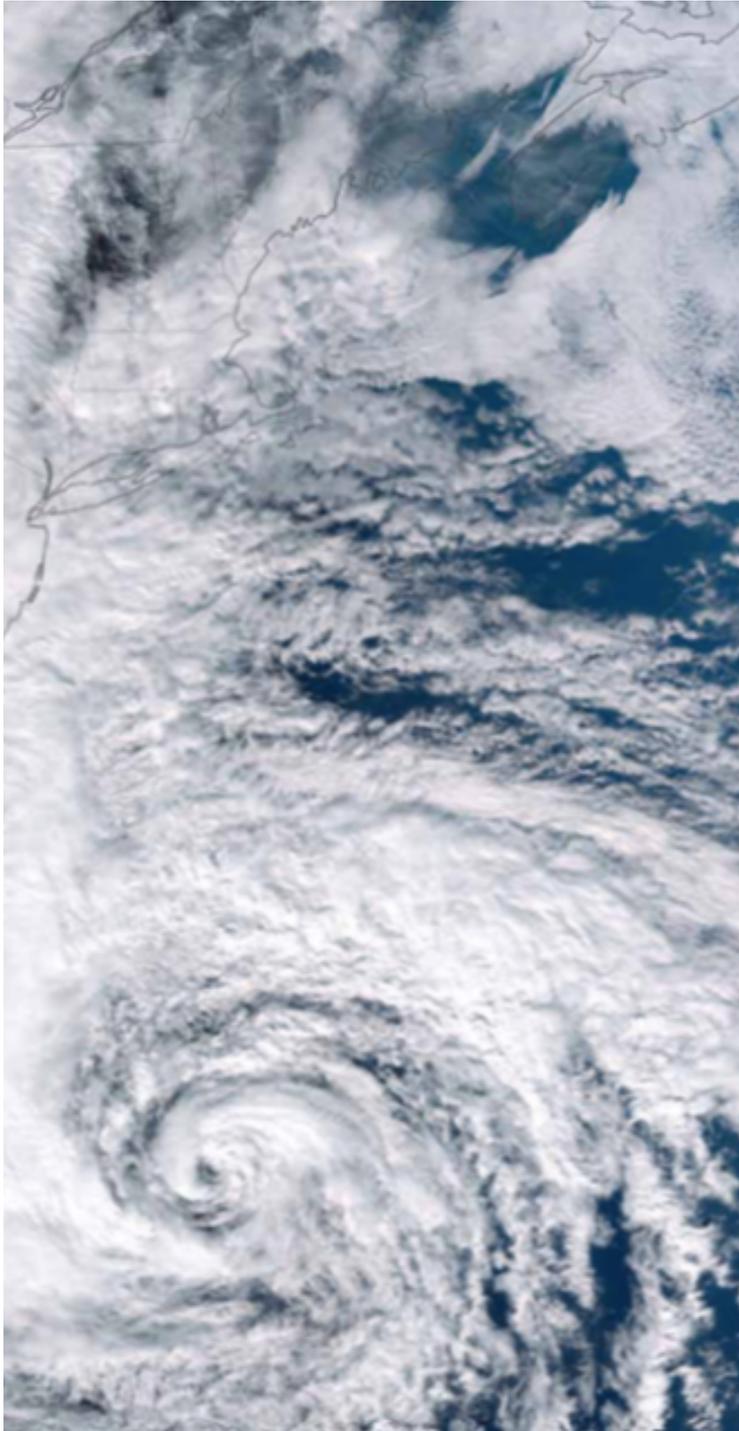
# Target Audiences

## **Public:** Informal and lifelong learners

- Museum audiences
  - Families with children ages 4-10
  - School groups K-6
  - Other museum visitors
- Underserved audiences
  - Museum visitors
  - Offsite programs

## **Professional:** Informal educators

- Museum educators
- Educators in out of school settings



# STEM Focus

## Disciplinary

- Heliophysics
- Earth science
- Planetary science
- Astrophysics

## Cross-disciplinary

- Science, technology, and society

# Learning Framework

1. Experience Earth and space **PHENOMENA** and explore science findings.
2. Use the scientific **PROCESS** and reflect on science as a way of knowing.
3. **PARTICIPATE** in the scientific community and identify as a science learner.





# Design

## **Overall:**

- Inviting, appealing, and engaging
- Compatible with the exhibition design

## **Materials and maintenance:**

- Safe for visitors of all ages
- Easy to, set up, clean up, and store
- Consumables are inexpensive and readily available

## **Accessibility:**

- Universal Design approach
- Bilingual English and Spanish

## **Design principals:**

- Engaging
- Authentic
- Current
- Relevant

# **TOOLKIT APPLICATION**



# Application Timeline

**NOW OPEN!** Online application to apply for a free physical toolkit

**November 1, 2017:** Deadline to submit application

**December 2017:** Notification of award decisions

**January 2018:** Toolkits delivered to successful applicants

**March - May 2018:** Successful applicants host required public event(s)

**June 15, 2018:** Event reports due online

# Toolkit Eligibility

The physical toolkit is designed for informal science education public events and outreach. To be eligible to receive a physical toolkit, organizations must be:

- Located in the United States
- Public informal science outreach and education institutions such as:
  - science museums and science centers,
  - children's museums,
  - natural history museums,
  - public planetariums and observatories, and
  - NASA visitor centers



# Application Process

## Application link

Applications must be submitted online using SurveyGizmo by November 1, 2017.

- <http://www.surveygizmo.com/s3/3718654/earth-space-toolkit-2018-application>

## Selection process

A total of 250 toolkits will be awarded through a competitive award process.





# Partner Expectations

## Recipients must:

- Use the toolkit for at least one event between March and May 2018
- Meet data reporting requirements – due June 15, 2018
- Restock and maintain the toolkit

## Recipients may:

- Attend professional development online workshops
- Collaborate with local experts
- Collaborate locally to reach underserved audiences



# Find Volunteers

- **Night Sky Network:** amateur astronomy clubs dedicated to public outreach  
[www.nightskynetwork.org](http://www.nightskynetwork.org)
- **AAS Astronomy Ambassadors**  
[www.aas.org/outreach/roster-aas-astronomy-ambassadors](http://www.aas.org/outreach/roster-aas-astronomy-ambassadors)
- **Solar System Ambassadors:**  
<http://solarsystem.nasa.gov/ssa/>
- **Colleges and Universities**

# **NISE Net Partners**





# Thank You



