

STEM Ecosystems

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Welcome Activity!

Time: 2 minutes

Instructions: In the chat, please share your name and organization.

As a get-to-know-each-other-better initiative, please rate your understanding on STEM ecosystems on a scale of 1 (lowest) – 5 (highest)!

Virtual Meeting/Conference Recording Notice

The American Institutes for Research® (AIR®) allows recording of audio, visuals, participants, and other information sent, verbalized, or used during business-related meetings. By joining a meeting, you automatically consent to such recordings. Any participant who prefers to participate via audio only should disable their video camera so that only their audio will be captured. Video and/or audio recordings of any AIR session shall not be transmitted to an external third party without the permission of AIR.

AIR Inclusive Meeting Guidelines

Hosting and Participating in Meetings



ENGAGE EVERYONE



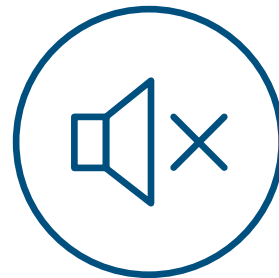
BE HEARD AND SEEN



ACKNOWLEDGE SPEAKER



MAXIMIZE MICROPHONES



MINIMIZE NOISE



MAXIMIZE VISUAL DISPLAYS

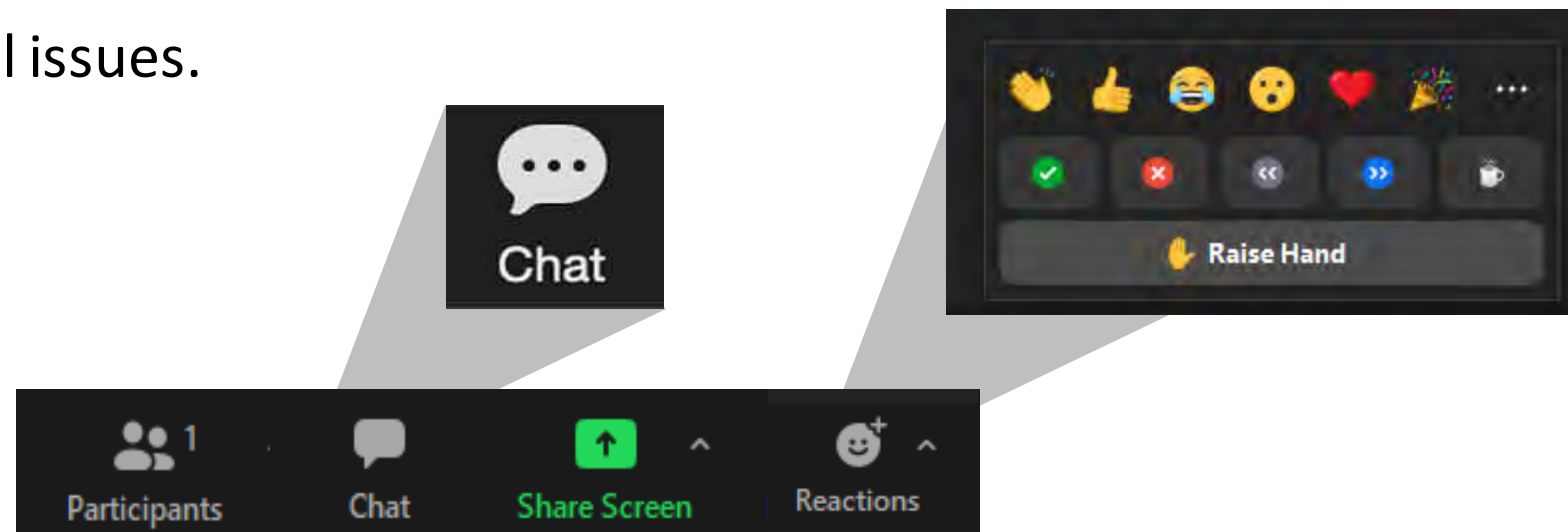
These guidelines are intended to improve the meeting experience for virtual participants, as well as people with hearing loss, visual impairment, and those for whom English is an additional language.

Developed by the Access AIR and AIR CREW Employee Resource Groups With Support From the AIR Diversity and Inclusion Office.

How to Use Zoom

Click on the **Chat icon** to ask questions, share your thoughts and ideas when prompted, and let us know about any technical issues.

Click on **Reactions** to **Raise Hand** to ask a question during Q&A or to use one of the other reaction icons.



EQR Hub

The Evidence Quality and Reach (EQR) Hub will provide current and aspiring STEM education researchers **targeted learning opportunities regarding research methods, knowledge translation, and DEI**. The hub will develop and implement virtual webinars and workshops for researchers in the Discovery Research PreK-12 (DRK-12) community, convene communities of practice, and engage in individualized consultations with DRK-12 projects.



This work is made possible by the National Science Foundation (NSF) under Grant No. 2101162.

Agenda

1. Review what STEM Ecosystems are.
2. Explore how to get involved.
 - a. What is the missing link for partnership?
 - b. What does a good pitch look like?
 - c. What opportunities are available?

Meet the Presenters



Jeremy Shorr

Teaching Institute for Excellence in STEM
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Jeremy Babendure

SciTech Institute
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STEM Ecosystems

Jeremy Shorr

STEM ecosystems

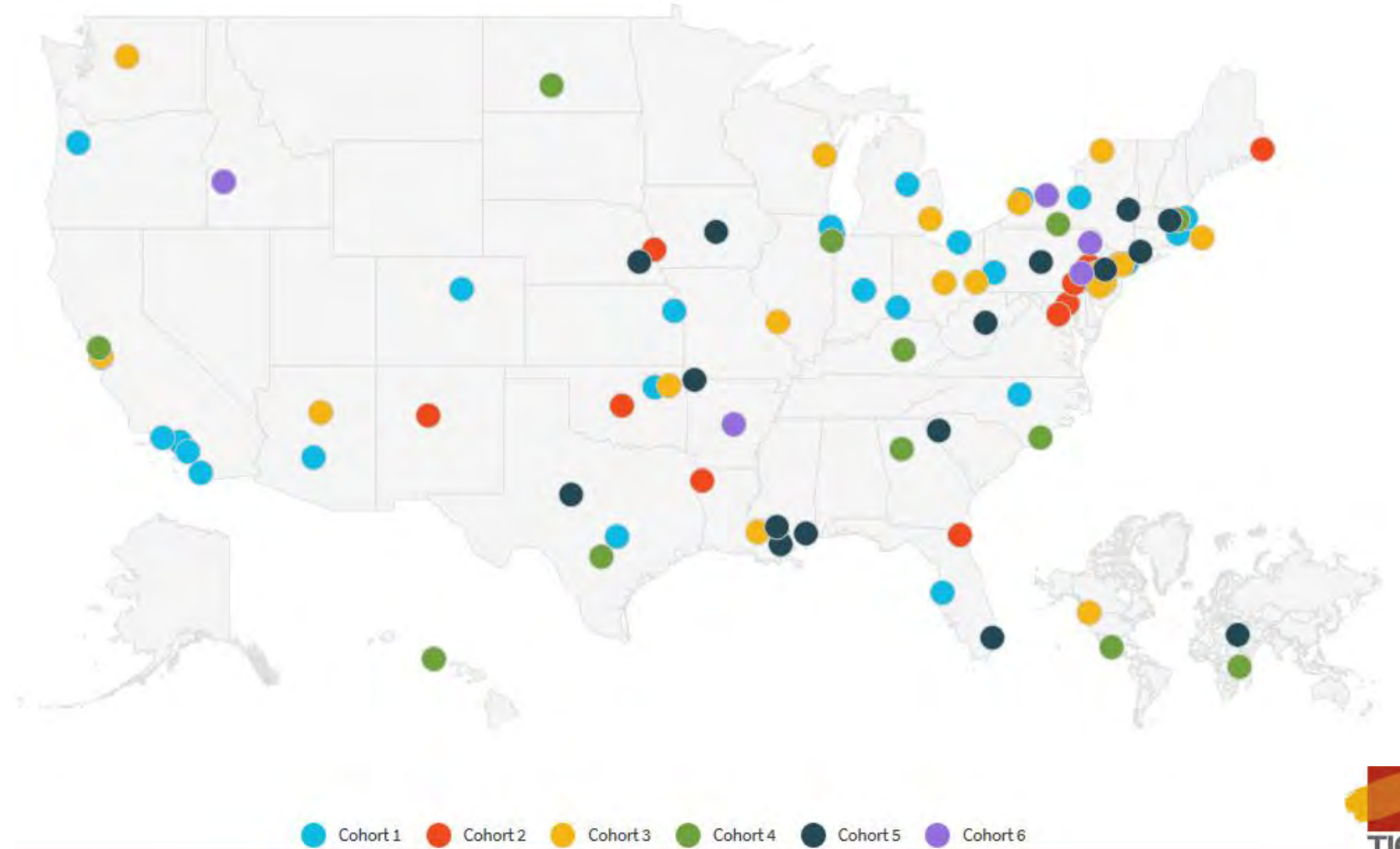


Pillars Of A Thriving STEM Learning Ecosystem



STEM Learning Ecosystem Locations ...

100 Ecosystems globally
and growing daily!



Questions?



Chat Activity!

Instructions: Answer the following question in the chat.

What problems of practice or research questions are you most interested in exploring?



How To Get Involved

Jeremy Babendure



Researchers...

Do not often connect with practitioners when grants are in development.

Resulting in....

- Last minute asks
- Less buy in and ability to integrate with the community
- Less likely to grow and sustain concepts

The “why” might be strengthened with co-design





Practitioners ...

Often do not connect with researchers when interventions are being developed.

- Not sure they know who to connect with
- May not apply for a larger grant
- May not bridge a research framework
- May not reach the true potential of the intervention
- May not scale or disseminate as effectively





The Pitch = Co-Design

The pitch is...

- Opportunity to connect in advance of release of request for proposals.
- Place to connect researcher and practitioners.
- HUGE opportunity for SLECoP to serve as THE “go to” place for researchers and practitioners to connect around ideas.

5 pitches, 25+ “pitchers,” and 52 documented referrals



Example From Jodi Asbell-Clarke



What Makes A Strong Pitch?

- Concise
- Clear asks
- Benefits
- Easy flow
- Understandable to non-research audiences



NSF Opportunity – Research Coordination Networks



- Foster communication and promote new collaboration among scientists, engineers and educators with diverse expertise and who share a common interest in a new or developing area of science, engineering or technology translation.
- Support the means by which investigators can share information and ideas; coordinate ongoing or planned research activities; foster synthesis and new collaborations; develop community standards
- NSF encourages international collaboration
- ~500K for up to 5 years

NSF Opportunity – DRK – 12 Partnership Development



- Aim is to foster connections and co-design among district and school administrators, teachers, researchers, and other community stakeholders in applied research and development efforts.
- Must include school partners and researchers.
- Examples of activities that can be proposed include, but are not limited to, multidisciplinary workshops, stakeholder meetings, project planning and explorations regarding the positioning and capacity of the team to work together to advance formal PreK-12 STEM teaching and learning.
- Can request up to \$100,000 for one year.
- Proposal description is limited to 8 pages.

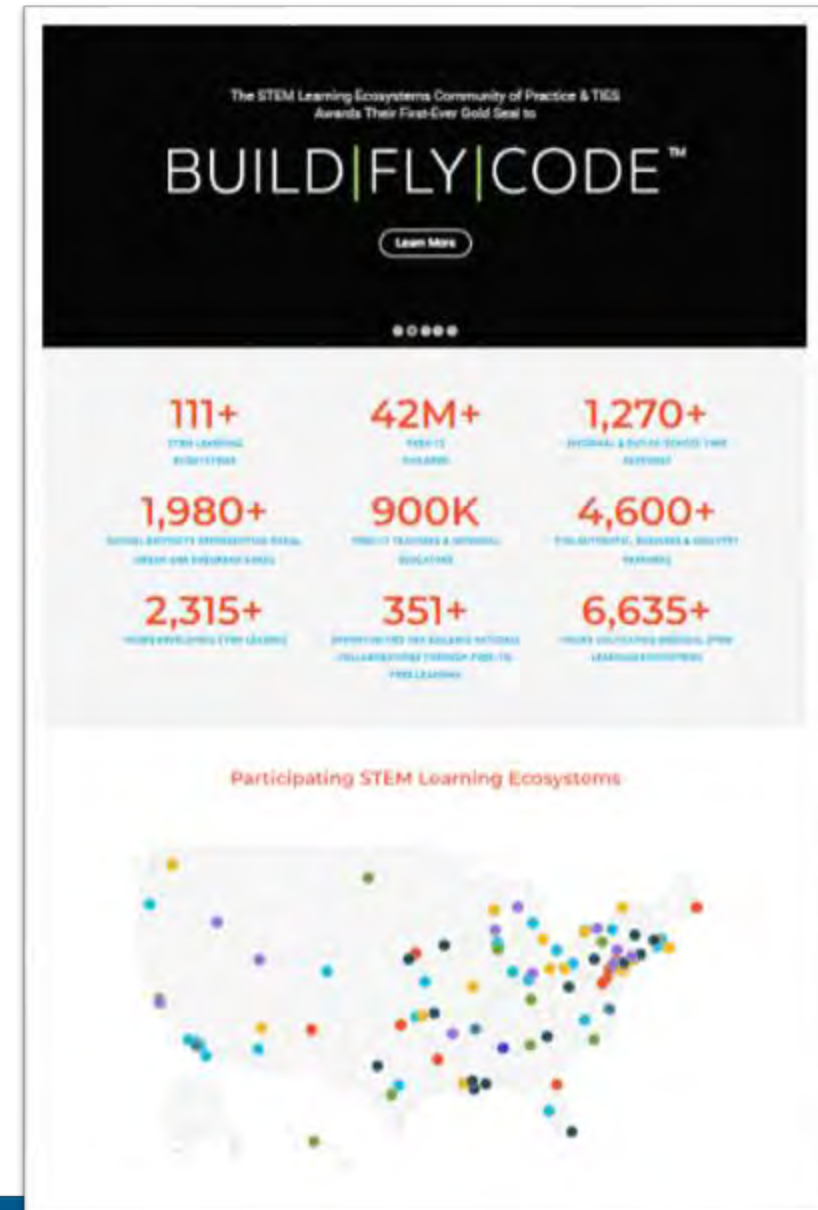
A Few Questions...

- Would your organization/ecosystem be interested in partnership development opportunities (e.g., RCN, DRK – 12)?
- What do you think is the greatest value of these types of partnership opportunities?
- Why types of support do you think would be most beneficial?
- How would you suggest we spend the limited budget to build RCN or DRK-12 partnerships?



How To Connect ...

- Share your interests with TIES!
- Visit TIES STEM ecosystems website to learn about existing Ecosystems.
- Sign up for TIES newsletter to learn about virtual pitch opportunities. **Next pitch is 11/9 at 12 EST.**
- Register for TIES pitch in Chicago.
- Reach out to STEM Learning Ecosystem directly!



Questions?



Next Steps

Susan Brown

Stay Connected



TIES

<https://www.tiesteach.org/>

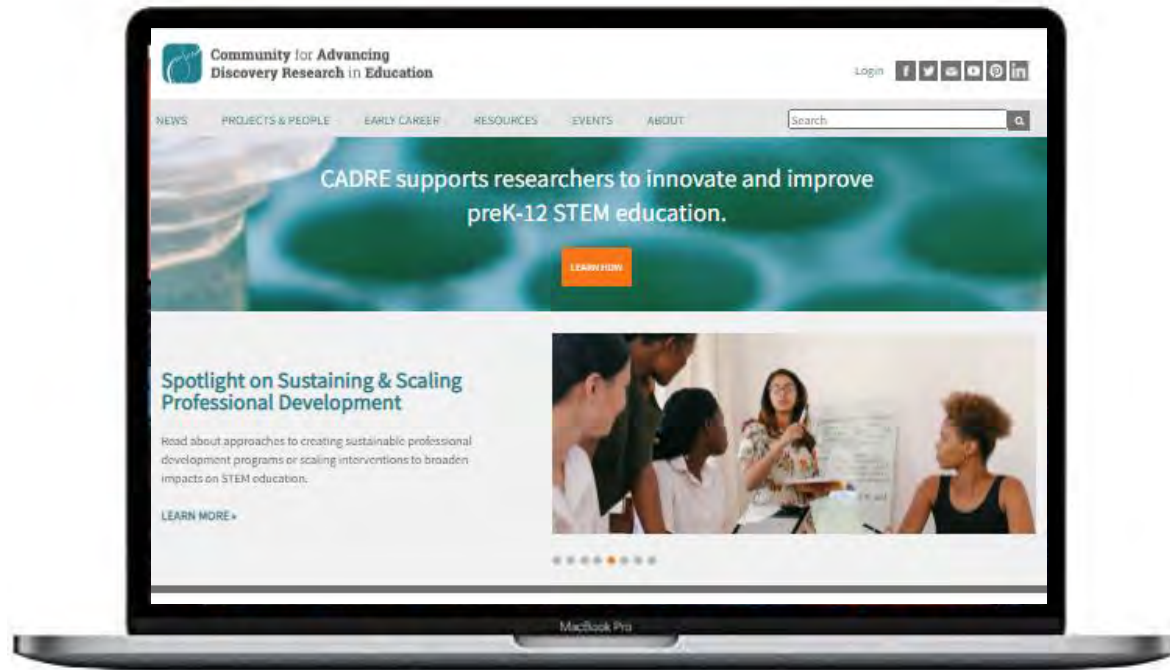
Stay Connected



SciTech

<https://scitechinstitute.org/>

Stay Connected



EQR Hub Page

<http://cadrek12.org/eqr-hub>

Feedback

Please fill out the **event survey** following this webinar.

<https://www.surveymonkey.com/r/BYFGQ3K>





Thanks for attending!

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