



# CADRE's New Awardee Welcome & Orientation



October, 4 | 1:00-2:00 PM ET

Broadening Participation & Engagement  
Building Capacity  
Supporting Dissemination & Impact

# CADRE LEADERS & KEY STAFF



**Catherine McCulloch, EDC; Amy Busey, EDC; Dr. Christopher Harris, WestEd;  
Dr. Terrell Morton, the University of Illinois, Chicago; Dr. Eric Wiebe, North Carolina  
State University; Dr. Ilana Horn, Vanderbilt University; Dr. Alina Martinez, Mathematica  
with Leana Nordstrom and Jenn Stiles, EDC**

# Broadening Participation & Engagement

Connect and engage diverse communities within the preK-12 STEM education ecosystem



**CADRE  
Community  
Partners**



**Proposal Development,  
Submission, & Review  
Supports**



**CADRE  
Fellows**

# Broadening Participation & Engagement

Connect and engage diverse communities within the preK-12 STEM education ecosystem



## CADRE Fellows



The CADRE Fellows | 2009-Present

Community for Advancing  
Discovery Research in Education

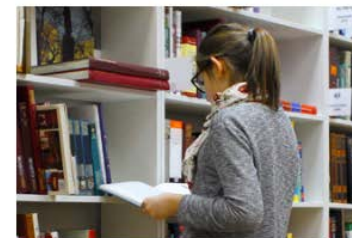
## Early Career

Learn about capacity-building opportunities for early career researchers; explore resources designed to support community members who identify as early career professionals and those who work closely with them; and meet the CADRE Fellows, CADRE Postdocs, and DRK-12 CAREER awardees who are working to improve STEM education for all PreK-12 students.



### NSF CAREER PROGRAM & DRK-12

This NSF-wide program supports early-career faculty who have the potential to serve as



### EARLY CAREER RESOURCES

CADRE EARLY CAREER GUIDE



### EARLY CAREER NEWS & OPPORTUNITIES

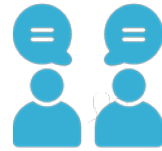
BEYOND MERE PERSISTENCE: A CONCEPTUAL FRAMEWORK FOR BRIDGING PERSISTENCE

# Capacity Building

Increase understanding and awareness of promising practices in preK-12 STEM education and the design and implementation of STEM education research



**Learning Series**



**Communities of Practice**



**DRK-12 PI Meeting**

# Capacity Building

Increase understanding and awareness of promising practices in preK-12 STEM education and the design and implementation of STEM education research



## Learning Series

### CADRE Learning Series Designing Case Study Research

Meet the Panelists:



**Ilana Horn**  
Vanderbilt University

**Zandra De Araujo**  
University of Florida

**Hosun Kang**  
University of California, Irvine

**Amy Parks**  
Michigan State University

**Bill Zahner**  
San Diego State University

### CADRE Learning Series Partnerships in Research

Meet the Panelists:



**Ilana Horn**  
Vanderbilt University

**Angelina Castagno**  
Northern Arizona University

**William McHenry**  
Jackson State University

**Carrie Tzou**  
University of Washington Bothell

**Emily Weiss**  
University of California, Berkeley

### CADRE Learning Series Using Video in Education Research

Meet the Panelists:



**Ilana Horn**  
Vanderbilt University

**Heather Hill**  
Harvard University

**Joanne Lobato**  
San Diego University

**Nanette Seago**  
WestEd

**Erica Walker**  
Columbia University

### CADRE Learning Series Instructional Observation

Meet the Panelists:



**Ilana Horn**  
Vanderbilt University

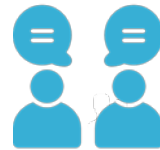
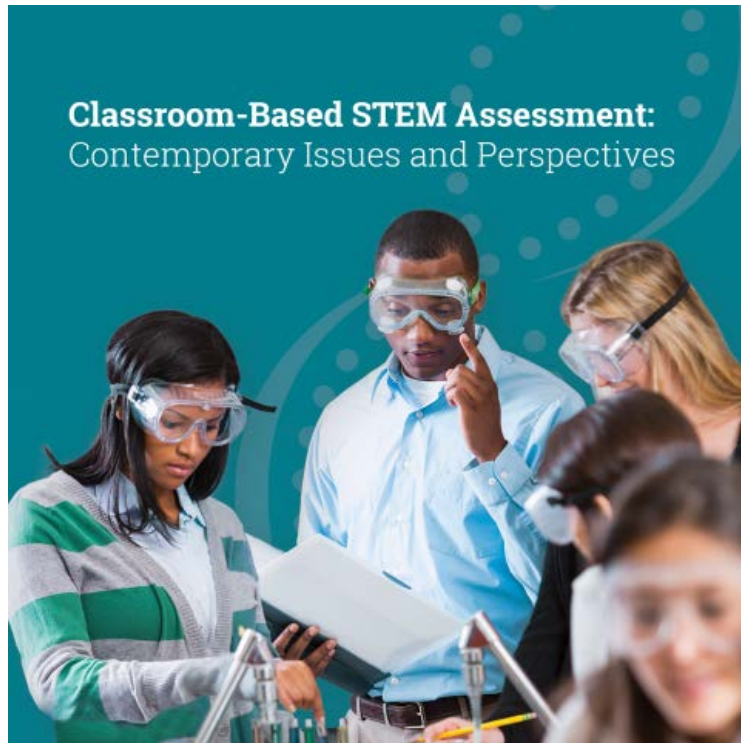
**Pauline Chinn**  
University of Hawaii

**Kara Jackson**  
University of Washington

**Gillian Roehrig**  
University of Minnesota

# Capacity Building

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**Communities  
of Practice**

# Capacity Building

Increase understanding and awareness of promising practices in preK-12 STEM education and the design and implementation of STEM education research



**DRK-12 PI Meeting**



# Capacity Building



**NSF Proposal Writing Toolkit**  
Guidelines, tips, and resources  
for proposal development.



**Project Management Toolkit**  
Resources for managing your  
project.



**Dissemination Toolkit**  
Resources for disseminating your  
work effectively.



**Research Toolkit**  
Resources on research design  
and implementation.



**Proposal  
Development,  
Submission,  
& Review**

# Capacity Building



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**Reporting,  
Communications,  
External Review,  
& Mentoring**

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**Dissemination  
Planning,  
Methods, &  
Approaches**

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**Research Design,  
Frameworks,  
Instrumentation,  
& Human Subjects**

# Dissemination

Increase the reach and influence of preK-12 STEM education research



**Portfolio  
Analysis**



**CADRE  
Community  
Connections**



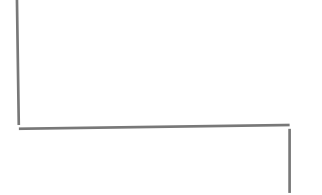
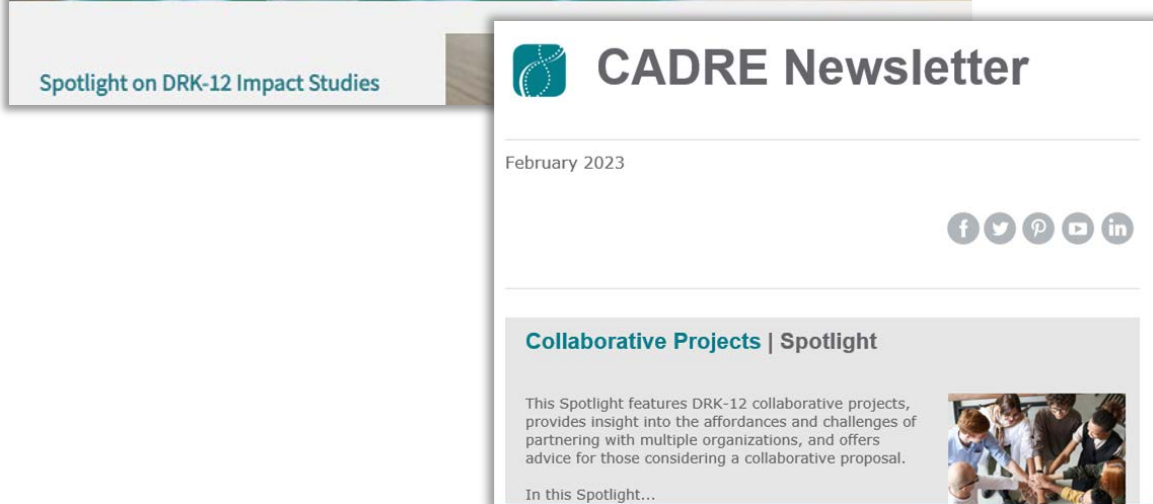
**Websites,  
Newsletters,  
Social Media**



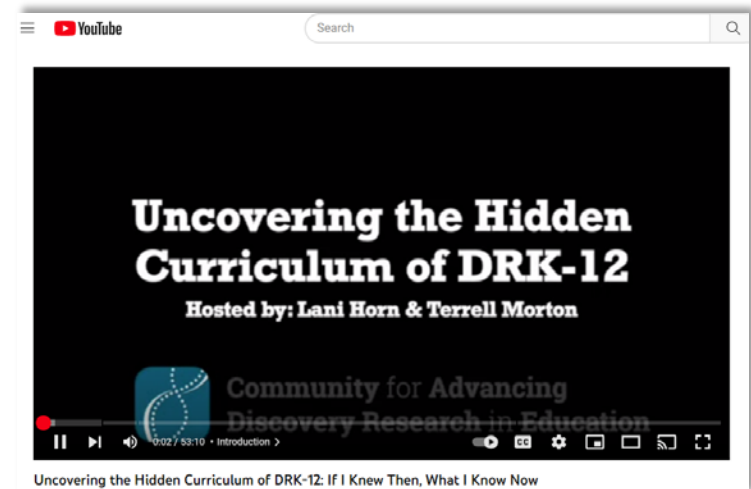
**Webinars,  
Conference  
Presentations**

# Dissemination

Increase the reach and influence of preK-12 STEM education research



Websites,  
Newsletters,  
Social Media



Home &gt; Resources

Search, browse, and contribute to our resources related to DRK-12 projects and STEM education.



**NSF Proposal Writing Toolkit**  
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**Project Management Toolkit**  
Resources for managing your project.



**Dissemination Toolkit**  
Resources for disseminating your work effectively.



**Research Toolkit**  
Resources on research design and implementation.

## Resources

analyzing&interpretingdataargumen  
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**SPOTLIGHTS ON STEM EDUCATION RESEARCH**

**CLIMATE SCIENCE EDUCATION**

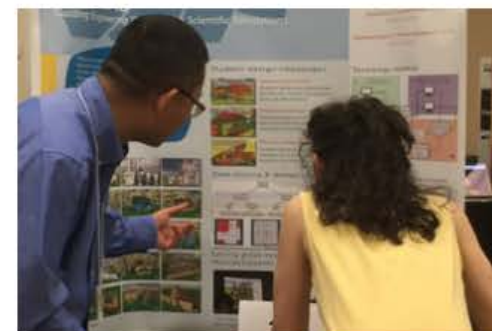
This month's spotlight showcases DRK-12



**CADRE PRODUCTS**

**RESEARCH SAYS EARLY LEARNING IN SCIENCE AND MATHEMATICS MATTERS**

Quality early STEM experiences provide a critical



**DRK-12 RESEARCH AND PRODUCTS**

**SUPPORTING SECONDARY STUDENTS' UNDERSTANDING OF EARTH'S CLIMATE SYSTEM AND GLOBAL CLIMATE CHANGE USING EZGCM: A CROSS SECTIONAL STUDY**

[Home](#) > [Projects](#)

## Learn about the people and projects working in DRK-12 STEM education research and development.



### The DRK-12 Community

Explore project member profiles and their DRK-12 work. Visit our blog, DRK-12 Community Voices.

[VIEW PROJECT MEMBERS](#)[VIEW BLOG](#)

### SPOTLIGHTS ON DRK-12-FUNDED PROJECTS

CADRE's topical [Spotlights on STEM Education Research](#) highlight bodies of DRK-12-funded work.

[VIEW SPOTLIGHTS](#)

## Projects

### [Exploring the Landscape of Rural Mathematics Education \(Collaborative Research: Amador\)](#)

12/01/2023

The goal of the project is to understand the current conditions, challenges, and resources that pertain to mathematics education in rural areas in the United States.

### [Exploring the Landscape of Rural Mathematics Education \(Collaborative Research: Heck\)](#)

12/01/2023

The goal of the project is to understand the current conditions, challenges, and resources that pertain to mathematics education in rural areas in the United States.



# CADRE Resources for You | [cadre@edc.org](mailto:cadre@edc.org)

- 1 [cadrek12.org](http://cadrek12.org) | Access proposal, project management, and dissemination toolkits; solicitation webinar recordings; project descriptions, products, and topical spotlights
- 2 [CADRE Newsletter](#) | Subscribe to keep up-to-date with DRK-12-related news, opportunities, and events
- 3 [@CADREK12](#) | Stay engaged with the DRK-12 community

*How Else Can We Serve You?*

# Discussion Groups | Choose a Topic

- 1 **Budgets** | Monitoring and adjusting project budgets
- 2 **Managing a Project Team** | Leading a project team, working with graduate students
- 3 **Partnerships** | Strategies for effective and productive collaborations with institutions and/or schools and districts

# Next Steps | Connecting through CADRE

- 1 [Join a Networking Breakout Group](#) | Stay on the webinar today for informal networking with other awardees
- 2 [Explore CADRE Resources](#) | Add info to your personal profile and project page, read about projects doing similar work, etc.
- 3 [Engage in CADRE Opportunities](#) | Register for a Learning Series, take part in a project Spotlight, etc.