



Annual EPSCoR Meeting

**Expanding Networked Communities to
Advance Research Competitiveness**

**Crystal City Marriott
Arlington, Virginia**

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Diverse Communities Update

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Presentation Overview

- RII Track-3 Building Diverse Communities (BDC) Competition Overview and Highlights
- NSF INCLUDES (RII Track-3 BDC on a bigger scale!!!)
- Re-imagining RII Track-3 BDC to Broaden Participation Across Networked Communities

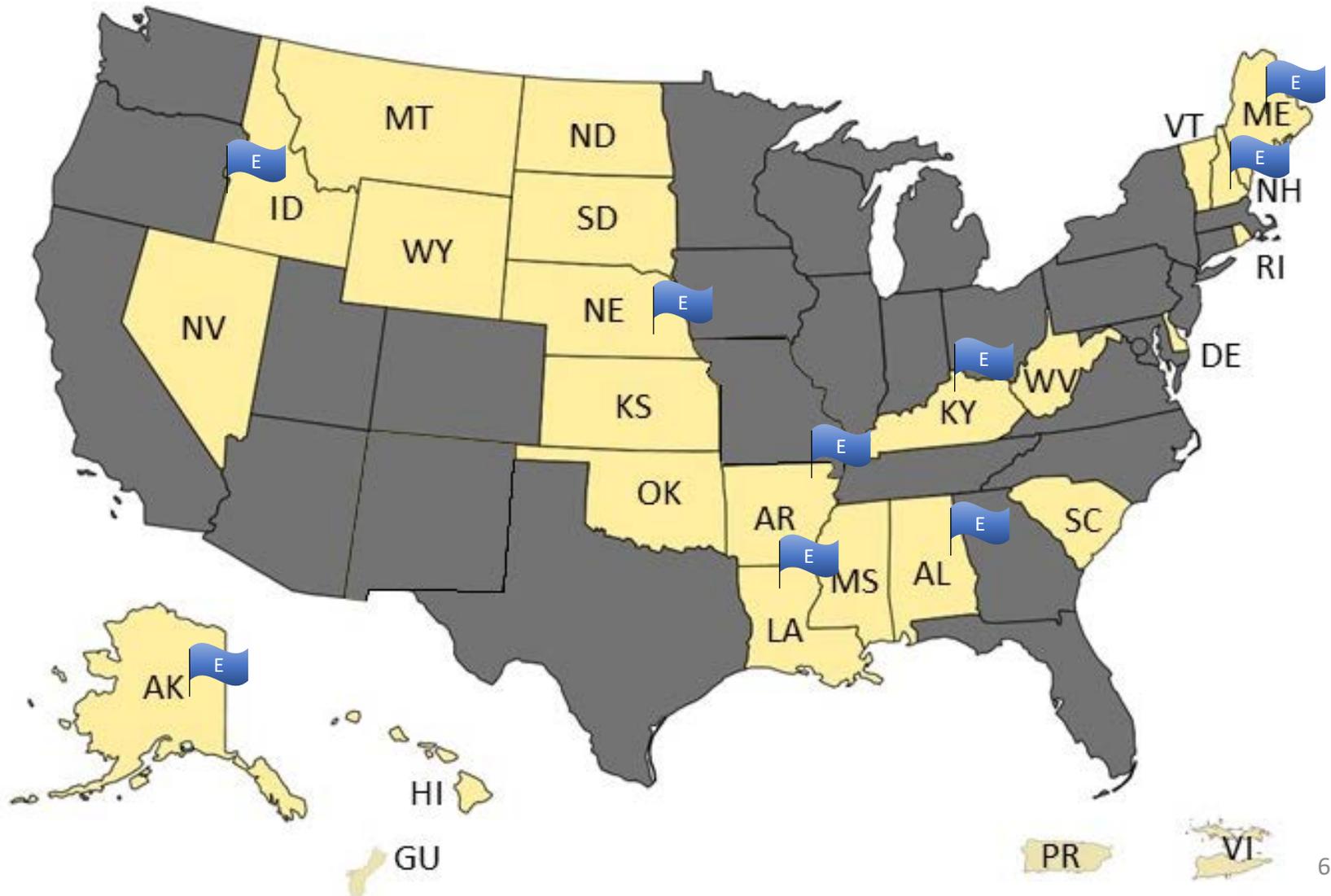
RII Track-3 BDC Encouraged the Community to Pilot Scalable Interventions for Broadening Participation in STEM

- RII Track-3 BDC sought to broaden the participation of groups underrepresented in STEM
 - Underrepresented racial and ethnic minorities
 - Women and girls
 - Persons with disabilities
 - Those in underserved rural regions of the country
- This pilot built upon strengths of the community identified through strategic planning
- Required to demonstrate scalable, novel and effective strategic approaches for the inclusion of underrepresented populations in STEM
- Expected to deliver sustainable learning activities that complement existing NSF investments in broadening participation

RII Track-3 History

- Solicitation NSF 13-553
- Proposal deadline was July 10, 2013
- 10 awards made in FY13 and FY14 for up to \$750,000 over 5 years

RII Track-3 BDC Awards Were Granted Across 10 Jurisdictions



RII Track-3 BDC Programs At A Glance

Award #	Status	PI	Jurisdiction	Title	Career Stage	UR Populations Reached
1348281	Year 5	Mohr-Schroeder	KY	STEM camps and STEM clubs	Middle School Students	Girls, Racial & Ethnic Minorities
1348352	Year 5	Sabin	NH	Building Access to Relevant Computing Education	High School Students	Rural Communities, Racial & Ethnic Minorities, Girls
1348382	Year 6 (NCE)	Griep	NE	A two-semester chemistry course sequence that has application to the Native American Indian community	Community College and Undergraduate Students	Native American Students
1348401	Ended	Schrader	NV	A cyber-learning methodology to elevate STEM learning opportunities and promote success	Teachers, Middle & High School Students	Racial & Ethnic Minorities, First Generation, Urban & Rural Regions, Low Income
1348266	Ended	Musavi	ME	Engineering Innovative Solutions to Storm Water Problems	High School Students	Racial & Ethnic Minorities, Girls, Rural Regions

Projects Started in October 2013

RII Track-3 BDC Programs At A Glance

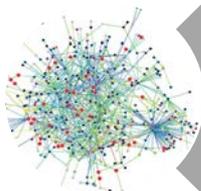
	Award #	Status	PI	Jurisdiction	Title	Career Stage	UR Populations Reached
Projects Started January – March 2014	1348413	Ended	Monahan	AK	The Modern Blanket Toss: Engaging Underserved Students in STEM Fields through Unmanned Aerial Vehicles	High School Students	Rural Communities, Low Income Students, Racial & Ethnic Minorities , Girls
	1348314	Year 5	Khonsari	LA	STEM-Discovery: project-based learning through immersion in camps and design project competitions	High School Students	Racial & Ethnic Minorities
	1348389	Year 5	Grippio (Srivatsan)	AR	Adaptation of the Fisk-Vanderbilt Bridge Program with a focus on the transition from undergraduate to graduate studies	Undergraduate and Graduate Students	Racial & Ethnic Minorities, First Generation, Rural, Low Income Students
	1348368	Year 5	Landers	AL	Teacher training and mentoring to increase science fair participation	Middle and High School Students	Racial & Ethnic Minorities, Low Income Students
	1348410	Year 5	Galindo	ID	Indigenous Program for Stem Research and a Regional Native Network of Graduate Education	Graduate Students	Native Americans

RII Track-3 BDC Project Highlights

- Famous Firsts
 - 3 Native Americans were the first to receive PhD degrees from University of Idaho and the first members of the Shoshone Bannock tribe to receive doctorates
- Projects that Scaled
 - The Stormwater Engineering project included other US Institutions through an NSF INCLUDES Award (GEO-1649346)
 - Modern Blanket Toss project was expanded to other EPSCoR jurisdictions through the Teaching Through Technology (T3) Alliance (OIA-1740991)

So What Came Next?

NSF INCLUDES



Bring together dedicated partners



Find approaches that work



Build a nation where everyone has opportunities in STEM

Three Essential Components of NSF INCLUDES: a multi-stage, multi-year initiative

*Design and Development launch Pilots**

- Plan activities and lay the foundations for potential partners
- Share common goals and purposes through collective impact-style approaches.

Alliances

- Build on the activities of launch pilots
- Add new partners, collaborators, or networks.
- Each alliance will have its own local communication (backbone) organization.

Coordination Hub

- Provide increased communications, interoperability, coordination, support, and accountability for the network of NSF INCLUDES alliances.
- Drive overarching vision and strategy, align common activities, establish shared measurement practices, build public will, advance policy, and mobilize funding across the network.

*Of the 118 DDLP awardees, 25 are from EPSCoR Jurisdictions

Suggested Approaches for Linking The EPSCoR Community and RII Track-3 BDC Efforts to NSF INCLUDES

Design and Development Launch Pilots (DDLP)

- Learn from those who have received this award
- Create partnerships with current awardees to scale efforts to EPSCoR jurisdictions

Alliances

- Create partnerships with current DDLP awardees to scale activities to EPSCoR jurisdictions
- Respond to Solicitation NSF 18-529 by April 2, 2019

Coordination Hub

Collaborate with DDLP awardees to incorporate data on broadening participation efforts within EPSCoR Jurisdictions

Find INCLUDES awardees in EPSCoR and Non-EPSCoR Jurisdictions on the PD / PA Meeting Website by selecting this [link](#)

Soliciting Feedback and Ideas for Reimagining RII Track-3 BDC Competition

- Create innovative approaches for linking to NSF INCLUDES
- Next Steps:
 - Send Ideas to the SharePoint Website Using the PowerPoint Template
 - Host a workshop on reimagining RII Track-3 BDC
 - Submit a EPS-WO proposal to NSF 12-588

Thanks For Your Attention!