NSF INCLUDES and ITEST Programs

Synergies and Opportunities

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Topics

- What is NSF INCLUDES?
- Theories of Action
  - Collective Impact, Networked Improvement Communities
- INCLUDES Design & Development Launch Pilots (Video)
- Connecting INCLUDES & ITEST Communities
- Other Opportunities to Connect with INCLUDES

What is NSF INCLUDES?

Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

*A comprehensive national initatiive aimed at catalyzing new approaches to **broadening participation** in STEM by incentivizing the building of **collaborative infrastructures** that will bring people and organizations together who might currently be working in isolation.*

NSF INCLUDES Objectives

Bring together dedicated partners

Find approaches that work

Build a nation where everyone has opportunities in STEM

NSF INCLUDES Elements

Vision

Educate a diverse "STEM capable" workforce from all populations.

Strategy

Form the foundation for the NSF INCLUDES National Network.

Research and Evaluation

Provide knowledge that contributes to strategies for diversity and inclusion.

Guiding Principle

Enable sustainable and scalable changes in systems.

NSF INCLUDES Three Essential Components

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.

NSF INCLUDES Collaborative Infrastructure

Vision	• Engage the community in a shared vision
Partnership	• Provide a platform for collaborative action
Goals and metrics	• Allow for evidence-based decision making
Leadership and communication	• Increase communication and visibility
Potential for expansion, impact and scale	• Establish the capacity for expansion, sustainability and scale.

Social Innovation

Theories of Action

- **Collective Impact**
- **Networked Communities**
- **Others**

Collective Impact

- Highly structured collaborative efforts to achieve substantial impact on a large scale social problem.
- These collaborative efforts share five conditions:

Common Agenda

Shared Measurement

Mutually Reinforcing Activities

Continuous Communication

Backbone Organization

* Kania, M. Kramer, Stanford Social Innovation Review, 2011
http://c.ymcdn.com/sites/www.lano.org/resource/dynamic/blogs/20131007_093137_25993.pdf

Networked Improvement Communities

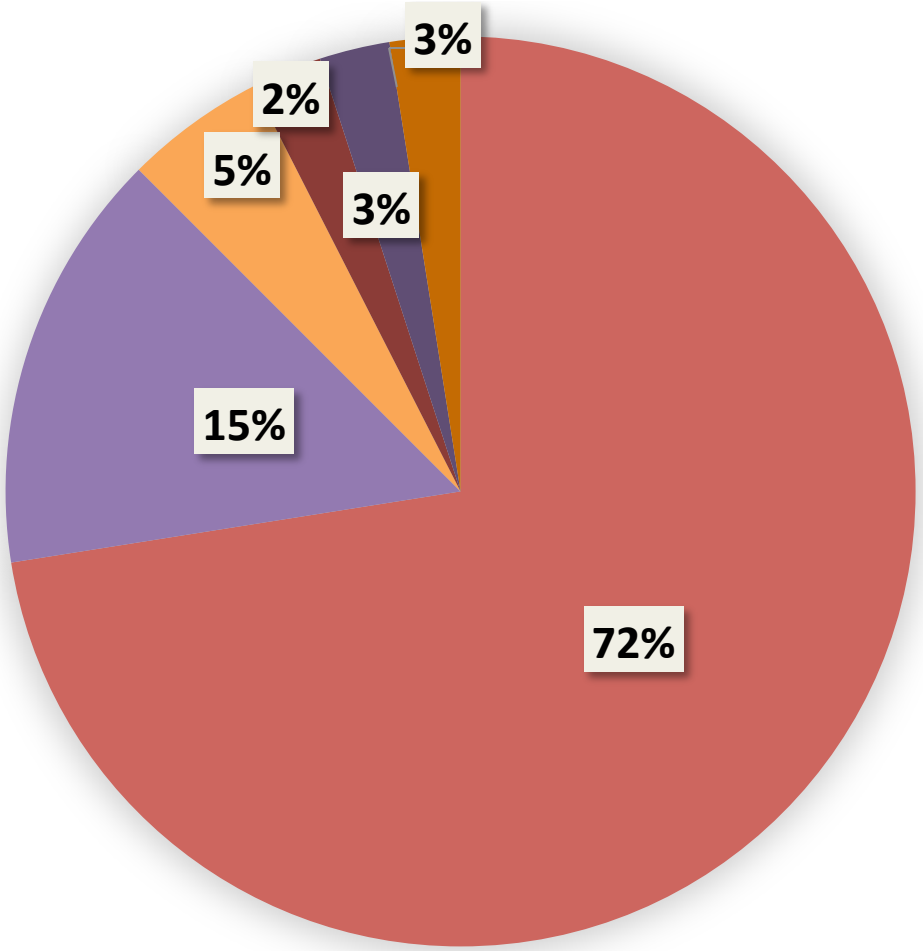
Four Essential Characteristics

Focused	• Focused on a well specified common aim
Guided	• Guided by a deep understanding of the problem, the system that produces it, and a theory of improvement
Disciplined	• Disciplined by the rigor of improvement science
Coordinated	• Coordinated to accelerate the development, testing and refinement of interventions and their effective integration into varied educational contexts

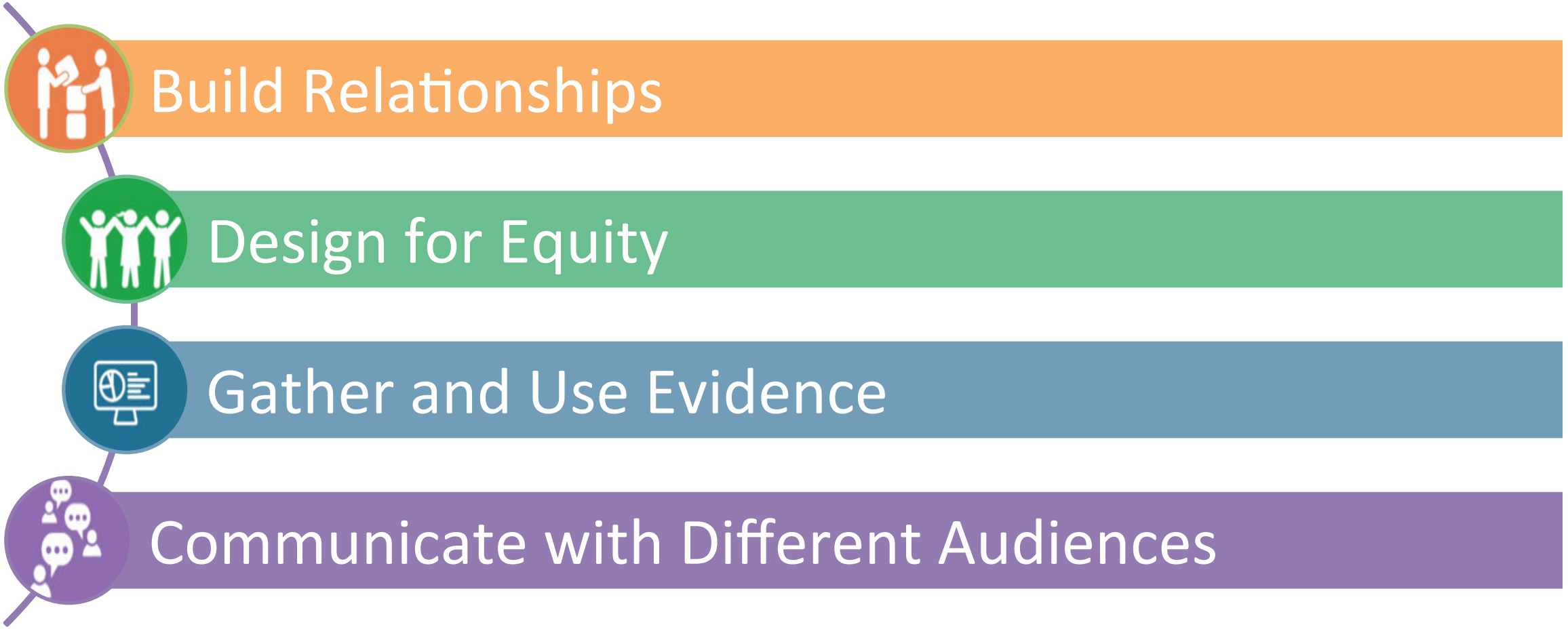
https://www.carnegiefoundation.org/resources/publications/getting-ideas-action-building-networked-improvement-communities-education/

Social Innovation Approaches

Design and Development Launch Pilots – FY16



Research + Practice Partnerships



http://rpp.wtgrantfoundation.org/

Video

What Synergies do you see between INCLUDES and ITEST?

What Opportunities do you see between INCLUDES and ITEST?

Opportunities to Connect with NSF INCLUDES

- Coordination Hub
- Design & Development Launch Pilots
- Alliances
- Dear Colleague Letters
- Solicitations

Questions?

Design and Development Launch Pilots

- This Launch Pilot phase is a testbed for social innovation strategies for broadening participation.
- Launch Pilots should focus on collaborative infrastructure building.
- Successful Launch Pilots should have some kind of organizing approach.
- They should also have a focus on the potential for expansion, sustainability, and scalability of the collaboration.

What Launch Pilots are not

- It is not a purely research activity.
- It isn't about developing a single intervention.
- The project should be broader than a single institution or different departments of the same institution.
- It is not a workshop.