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 initiative 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**

<table>
<thead>
<tr>
<th>Design and Development launch Pilots</th>
<th>Alliances</th>
<th>Coordination Hub</th>
</tr>
</thead>
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| • Plan activities and lay the foundations for potential partners  
  • Share common goals and purposes through collective impact-style approaches. | • Build on the activities of launch pilots  
  • Add new partners, collaborators, or networks.  
  • Each alliance will have its own local communication (backbone) organization. | • 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

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<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vision</td>
<td>• Engage the community in a shared vision</td>
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<td>Partnership</td>
<td>• Provide a platform for collaborative action</td>
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<td>Goals and metrics</td>
<td>• Allow for evidence-based decision making</td>
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<td>Leadership and communication</td>
<td>• Increase communication and visibility</td>
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<td>Potential for expansion, impact</td>
<td>• Establish the capacity for expansion, sustainability and scale.</td>
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<td>and scale</td>
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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


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

Social Innovation Approaches
Design and Development Launch Pilots – FY16

- Collective Impact: 72%
- Networked Improvement Community: 15%
- Participatory Action Research: 5%
- Design-based Research (and "collaborative inquiry" as secondary): 3%
- Integrated Approach: 3%
- Community Organizing: 2%
Research + Practice Partnerships

- Build Relationships
- Design for Equity
- Gather and Use Evidence
- Communicate with Different Audiences

http://rpp.wtgrantfoundation.org/
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 \textit{testbed for social innovation} strategies for broadening participation.

• Launch Pilots should focus on \textit{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.