



NSF INCLUDES

MPS Advisory Committee Update

November 16, 2018





NSF INCLUDES

**Inclusion across the Nation of
Communities of Learners of
Underrepresented Discoverers in
Engineering and Science**





NSF INCLUDES

A comprehensive national initiative designed to enhance U.S. leadership in discoveries and innovations by focusing on diversity, inclusion and broadening participation in STEM ***at scale.***





The Five Elements of NSF INCLUDES





NSF INCLUDES History (Years 1-2)

- **Year 1 (FY 2016)**
 - First cohort of 40 Design and Development Launch Pilots (DDLPs, NSF 16-544)
 - 13 Conferences/Workshops (Dear Colleague Letter 16-081) supported
 - 3-year evaluation contract for developmental evaluation with 2M/Mathematica
 - 3-year technical assistance contract with EDC/Westat/Equal Measure
- **Year 2 (FY 2017)**
 - First PI Meeting (January 4-6, 2017)
 - Second cohort of 30 DDLPs (NSF 17-522) funded

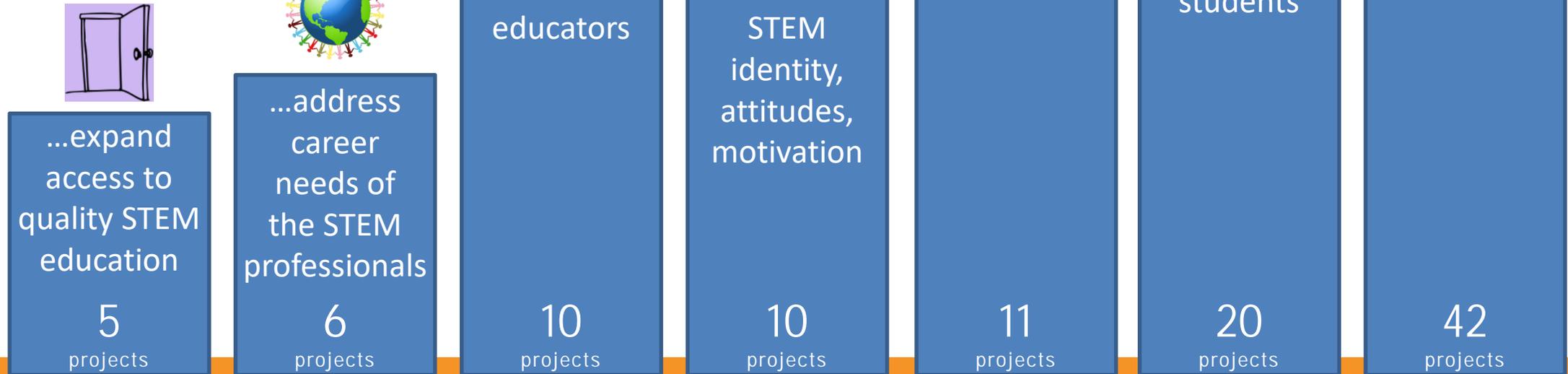




NSF INCLUDES DDLPs

70

Design and Development Launch Pilots were awarded grants in FY2016 and FY2017 to address broadening participation challenges such as...



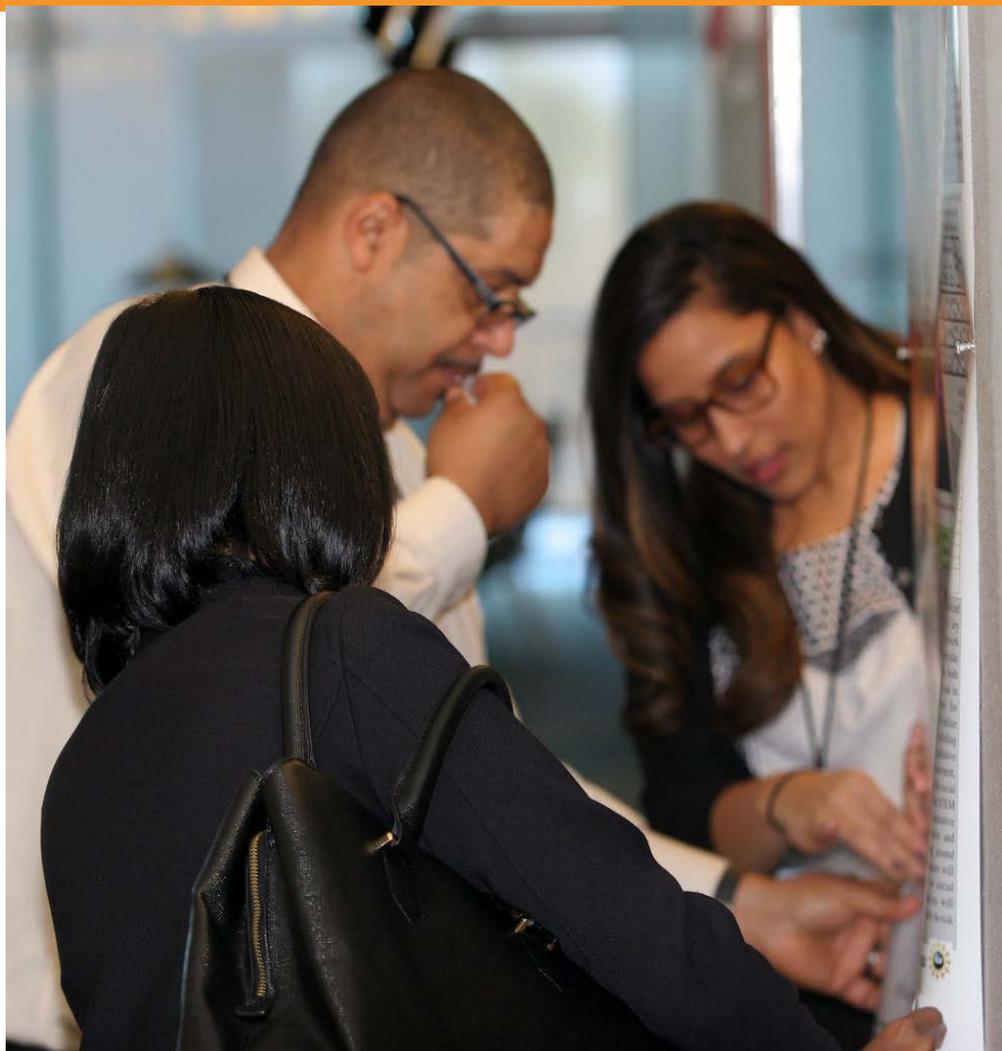
Note: Some individual projects have goals and objectives that fall into more than one category.

Image credits:
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PARTNERSHIPS



758 partner organizations working to broaden participation in STEM through collaborative change, including...

- | | |
|--|---|
| 4 libraries | 10 private foundations |
| 13 federal/national labs & centers | 49 professional & higher education organizations |
| 58 government agencies & affiliates | 62 corporations & corporate affiliates |
| 94 K-12 schools & school districts | 107 non-profit & community organizations |
| 313 colleges, universities & community colleges | ...and many more |





NSF INCLUDES History - Year 3 (FY 2018)

Year 3: Connecting to the NSF Portfolio

- Second PI Meeting + Center Summit (January 8-12, 2018)
- *Report to the Nation* published
- On-Ramps to the NSF INCLUDES National Network
 - 13 Supplements/EAGERS/Conferences supported (DCL 17-111)
 - NSF INCLUDES Co-funded: 3 Alliances for Graduate Education, 2 Broadening Participation in Computing and 5 Louis Stokes Regional Centers of Excellence awards
- **Coordination Hub** (NSF 17-591) awarded as cooperative agreement
- First cohort of **5 Alliances** (NSF 18-529) awarded as cooperative agreements
 - Alliances co-funded by AGEP, CREST, EPSCoR, HSI and MPS programs



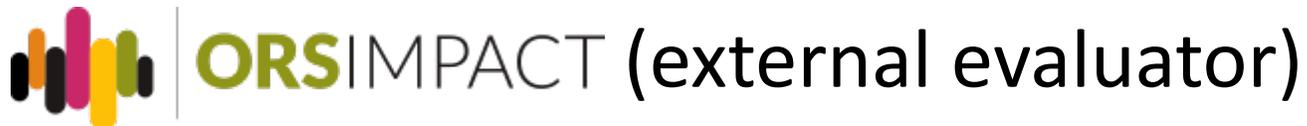


The NSF INCLUDES Coordination Hub

Award # 1818635

*The Hub will facilitate activities needed to build and maintain a strong **NSF INCLUDES National Network**, including communications, technical assistance and efforts aimed at increasing visibility. The Hub itself is a collaboration of multiple institutions.*

(lead)





The NSF INCLUDES Alliances

Computing Alliance of Hispanic-Serving Institutions

(Award 1834620; University of Texas at El Paso)



STEM Core Expansion

(Awards 1834628, 1834608)



Inclusive Graduate Education Network

(Awards 1834540, 1834528, 1834516, 1834545)

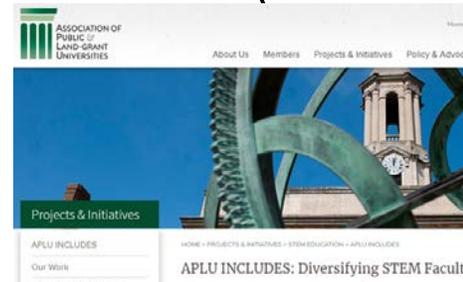


Expanding the First2 STEM Success Network

(Awards 1834601, 1834569, 1834586, 1834575, 1834595)

Aspire: National Alliance for Inclusive and Diverse STEM Faculty

(Awards 1834518, 1834522, 1834526, 1834513, 1834510, 1834521)





Inclusive Graduate Education Network

(Awards 1834540, 1834528, 1834516, 1834545)

Alliance Focus:

Transforming graduate education in the physical sciences to fully support the inclusion of women and ethnic and racial minorities.

Collaborating Organizations:

- American Physical Society
- University of Southern California
- Rochester Institute of Technology
- American Chemical Society



Alliance Vision:

To create a national network of disciplinary colleagues, expert researchers, and representatives from professional associations who will develop and build evidence-based knowledge of effective practices for recruitment, admissions, and retention of women and underrepresented ethnic and racial minorities.



Boeing MOU with NSF/EHR



NSF director, France Cordova, worked on the STEM training partnership with Heidi Capozzi, senior vice president of human resources at Boeing. (NSF Photo)

- Boeing is the first business to contribute to NSF INCLUDES nationally
- The Boeing \$1 million gift will be used to target women, especially women veterans, returning to the STEM workforce



Building the NSF INCLUDES National Network in Year 4 (FY 2019)

Year 4: Connecting the Network

- NSF INCLUDES Alliances and Coordination Hub Kick-off (October 3, 2018)
- STEM Funders Collaborative Meeting (October 25-26, 2018)
- Convening the NSF INCLUDES National Network (January 2019)
- Second round of NSF INCLUDES Alliances (NSF 18-529, Deadline: April 2, 2019)
- Report to the Nation 2



What Should the NSF INCLUDES National Network Look Like?

How might it...

- Include NSF INCLUDES Alliances, and retain Design and Development Launch Pilots and on-ramps?
- Encourage NSF awards to link to NSF INCLUDES?
- Engage organizations and individuals with/without NSF funding?
- Offer a shared repository of data, reports, research, strategies and models to address BP challenges?
- Produce a sustained commitment across all dimensions of BP?

Network Benefits could include...

- Mechanisms to engage new members
- Access to resources
- A funders collaborative to provide access to local and regional funders
- Certification as NFS INCLUDES Leaders; prizes/awards and recognition for BP work
- Training and education opportunities
- Support to replicate and adapt/adopt approaches to address BP challenges



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Your Thoughts?

