

NSF INCLUDES and EPSCoR: Perspective from a CEOSE Member

RII TRACK-1 PROJECT DIRECTORS' AND PROJECT ADMINISTRATORS' (PD/PA) MEETING

MAY 16-17, 2016

What is CEOSE?

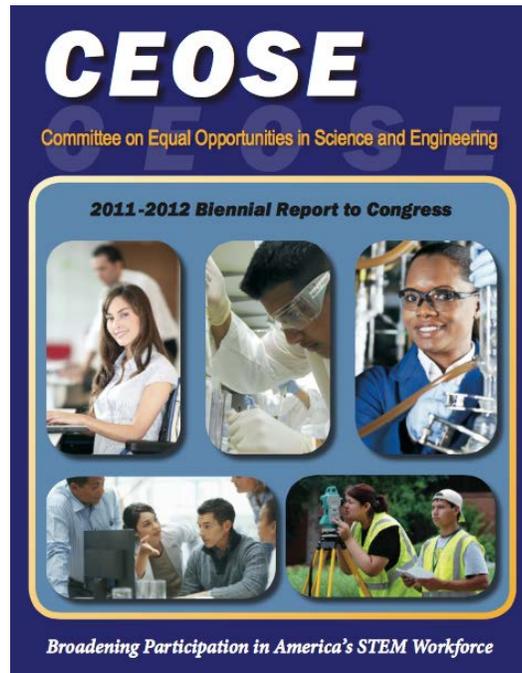
- ▶ *Committee on Equal Opportunities in Science and Engineering*
- ▶ Foundation-wide advisory committee at NSF related to broadening participation
- ▶ Mandated by Congress to produce a report every 2 years
- ▶ Each report focuses on CEOSE's activities during the previous two years and proposed activities for the next two years. ***Highly Recommended Reading!!!!***
- ▶ The 2011-2012 CEOSE Report marked a transformation in how the Committee makes recommendations to NSF regarding broadening participation

2011-2012 CEOSE Report – Take Home Message

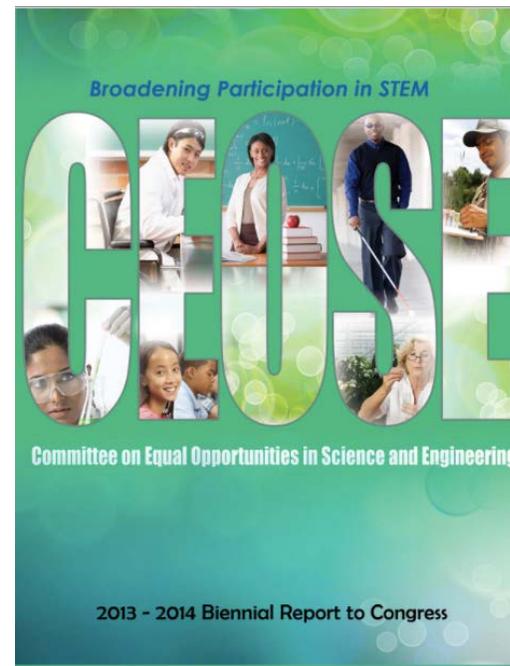
- ▶ To better address **emerging challenges** and the **limited progress being made** in improving broadening participation in STEM, as well as the findings in this report and other national reports, the Committee on Equal Opportunities in Science and Engineering recommends that **NSF implement a bold new initiative**, focused on broadening participation of underrepresented groups in STEM, *similar in concept and scale to NSF's centers*, that emphasizes:
 - ▶ **institutional transformation and system change**;
 - ▶ collects and makes accessible **longitudinal data**;
 - ▶ defines **clear benchmarks** for success;
 - ▶ supports the translation, replication and expansion of **successful broadening participation efforts**; and
 - ▶ provides significant **financial support to individuals** who represent the very broadened participation that we seek.

CEOSE Recent Reports

2011-2012



2013-2014



2015-2016



CEOSE Reports (1996-2014) available at: <http://www.nsf.gov/od/oia/activities/ceose/>

2013-2014 CEOSE Report – Take Home Message

Elaborates a **framework of five essential components** needed for realizing the grand challenge of broadening participation and for successful implementation of the bold new initiative:

1. Develop and implement an effective **preK-20 + system of STEM pathways** that significantly increases participation of underrepresented individuals at every stage of schooling and across all STEM fields;
2. Provide stable and sufficient **direct support for individuals** who represent the very broadened participation that we ultimately seek;
3. Support the further development of a **science of broadening participation** grounded in empirical research;
4. Conduct field experiments including **assessment of interventions and outcomes** to understand and mitigate the barriers to broadening participation; and
5. Recognize the field-specific nature of the broadening participation challenge by embedding and engaging the **bold initiative within and across all fields and disciplines** that NSF supports and across the nation

2015-2016 CEOSE Report

- ▶ In its next, third report in this series, CEOSE plans to articulate a set of recommendations for assessing the successful implementation of the bold initiative proposed and elaborated upon in the first two reports.



What is NSF INCLUDES?

- ▶ *Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science*
- ▶ BRAND NEW program for NSF
- ▶ Was informed by CEOSE's 2011-2012 Report – the bold new initiative
- ▶ FY16 allocation of \$15 million
- ▶ NSF's investment in Broadening Participation Programs
 - ▶ FY14 = \$776.19 M
 - ▶ FY15 = \$761.42 M
 - ▶ FY16 (request) = \$787.22 M (INCLUDES \$15M is part of this)

NSF INCLUDES Multiyear Goals

- ▶ Synthesize and build the **research base for broadening participation** and foster the spread and adaptation of proven effective practices.
- ▶ Support the identification, development and attainment of a set of **shared goals and objectives** developed by stakeholders, including those from specific STEM disciplines, which are essential for achieving inclusion in the nation's scientific workforce and in high quality STEM learning opportunities.
- ▶ Support local/regional and discipline-specific or crosscutting multi-stakeholder **partnerships and networks** (NSF INCLUDES Alliances) and support an NSF INCLUDES National Network.

Common Agenda

- Keeps all parties moving towards the same goal

Common Progress Measures

- Measures that get to the TRUE outcome

Mutually Reinforcing Activities

- Each expertise is leveraged as part of the overall

Communications

- This allows a culture of collaboration

Backbone Organization

- Takes on the role of managing collaboration

NSF INCLUDES

- ▶ First solicitation - Design and Development Launch Pilots
 - ▶ <http://www.nsf.gov/pubs/2016/nsf16544/nsf16544.htm>
 - ▶ Preproposals were due April 15, 2016 – ***NSF received 600 preproposals***
 - ▶ Full proposals, by invitation only, are due June 24, 2016
- ▶ Dear Colleague Letter - Call for Submission of Conference Proposals to Inform the Design and Success of the Alliances and National Network for NSF INCLUDES
 - ▶ http://www.nsf.gov/pubs/2016/nsf16081/nsf16081.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click
 - ▶ Proposals due July 11, 2016

So, what's in it for EPSCoR?

- ▶ RII Track-3 - Building Diverse Communities
- ▶ Broadening Participation programs within jurisdictions
- ▶ Leveraging the EPSCoR "Network"
- ▶ Don't we already do *collective impact* in our RII Track-1 awards?
- ▶ What about the \$600M+ in broadening participation funding through other programs?
- ▶ Additional opportunities?

Contact

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