



EPSCoR

Experimental Program to Stimulate
Competitive Research

The 2030 Workshop Report

January 23, 2013



EPSCoR 2030 Workshop

- Workshop held January 19-20, 2012
- Report submitted to NSF April, 2012
- Discussion of report by Jan Taylor on behalf of Paul Hill at the May 2012 PD/PA meeting and community discussion
- Interim changes – e.g., RII Track-2
- Additional response targeted for January 2013 PD/PA meeting in Delaware



EPSCoR Plan

- EPSCoR Office will use multiple sources of input to develop its strategic plan
 - 2030, COV, STPI, NAS, NSF, EPSCoR
 - Will be a ‘living’ document
- Phased Approach:
 - Update on programmatic competitions
 - Will use the full set of evaluative recommendations to inform strategic changes



2030 Recommendations

- 1) Expand funding for EPSCoR
- 2) Return to the original focus of increasing research capacity
- 3) Use EPSCoR as a test bed for new NSF initiatives
- 4) Develop robust cyberinfrastructure
- 5) The EPSCoR success story must be better told



Expand EPSCoR Funding

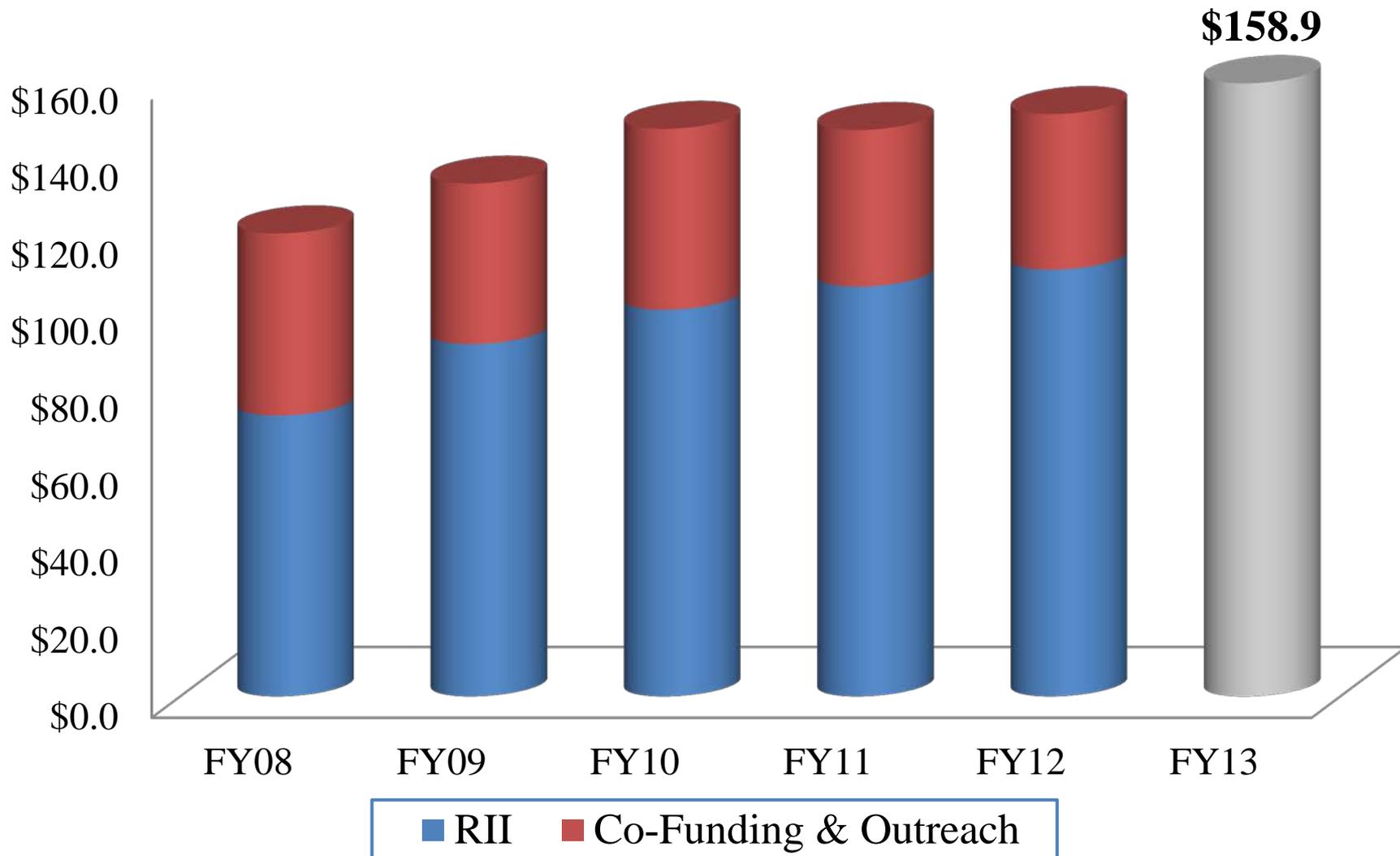
- EPSCoR funding has steadily increased
- From FY08 – FY12, EPSCoR budget has increased 25.8%
- Current plan for FY13* is 5.3% over FY12
- EPSCoR budget changes linked to NSF research budget changes

* FY13 budget not yet finalized



Expand EPSCoR Funding

NSF EPSCoR Funding (\$M)





NSF EPSCoR Funding (\$M)

Activity	FY08	FY09	FY10	FY11	FY12
RII	72.8	91.3	100.2	106.2	110.6
Co-Fund	46.7	41.1	45.4	39.4	38.8
Outreach Workshop	0.5	0.5	1.5	1.2	1.5
Total	120.0	132.9	147.1	146.8	150.9

EPSCoR Budget Request for FY13 \$158.9M



Expand EPSCoR Funding

- EICC met 7 times in FY12 to address coordination
- Participation of all agencies with active EPSCoR programs (DOE, NSF, NASA, NIH, & USDA-NIFA)
- FY12 : full cooperation with National Academies study
- FY13 : what is success?



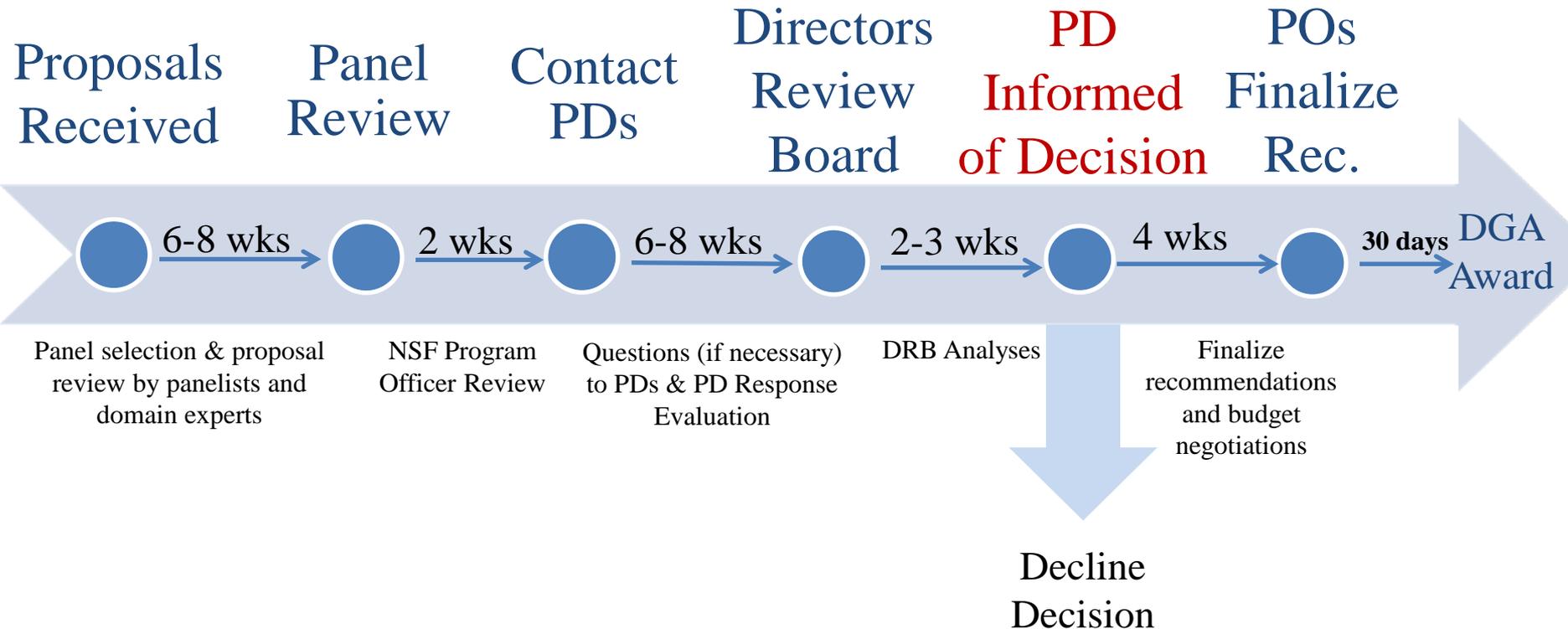
Return to the original focus of increasing research capacity

- Capacity building needs to be coupled with increasing academic research competitiveness
- To achieve sustained improvement, there is a critical need for integration of research and education
- Some changes to the RII program is anticipated; it will retain several elements; emphasis on integration of R & E



Focus on Increasing Research Capacity

EPSCoR RII Track-1 Review Timeline



Total time for review process for a successful proposal is **approximately** 6 months



EPSCoR as a Test Bed

- NSF seeks to strengthen S&E enterprise by enabling participation of underrepresented groups
- EPSCoR has developed novel and effective strategies and initiatives in BP
- With NSF Senior Leadership, we are exploring DCLs to build diverse communities for STEM learning and innovation



EPSCoR as a Test Bed

- Pilot program with EPSCoR leading efforts, but with programs adaptable/adoptable nationally
 - Empower national leadership to engage underrepresented talent in discovery and innovation
 - Use new and improved virtual learning venues
 - Leverage technology to attract, retain, and advance learners from underrepresented groups
 - Blend formal and informal learning



EPSCoR as a Test Bed

EPSCoR Advisory Committee Representation

Directorate Advisory Committees		
	Total Members	# from EPSCoR
BIO	14	4
CISE	21	2
OCI	20	4
EHR	18	3
ENG	16	3
GEO	22	5
ISE	14	1
MPS	21	1
SBE	17	1
OPP	16	4
NSB	15*	3
NSB Consultants	9	4
Total	188	35

* Ex officio (NSF Director) NSF

Current representation as of December, 2012



EPSCoR as a Test Bed

Maintaining representation

- Advisory Committee membership rotates annually, with 2-3 year terms
- Send recommendations for AC candidates
 - We will disseminate within NSF
- National Science Board members are presidentially appointed. Information on the nomination process can be found here:
<http://www.nsf.gov/nsb/members/nominations.jsp>



Develop Cyberinfrastructure

- Jurisdiction should develop CI strategic plans at institutional and state level
- Utilize NSF-funded facilities (e.g. XSEDE)
- EPSCoR works closely with OCI
 - New Dear Colleague Letter
- Encourage full participation in OCI programs
 - OCI success rate for EPSCoR jurisdictions is similar to that of non-EPSCoR states



Tell the EPSCoR Success Story

- Need to define success
- Need more effective ‘branding’ of EPSCoR inside and outside of NSF
- EPSCoR has initiated activities with OLPA
- External evaluators can play a role



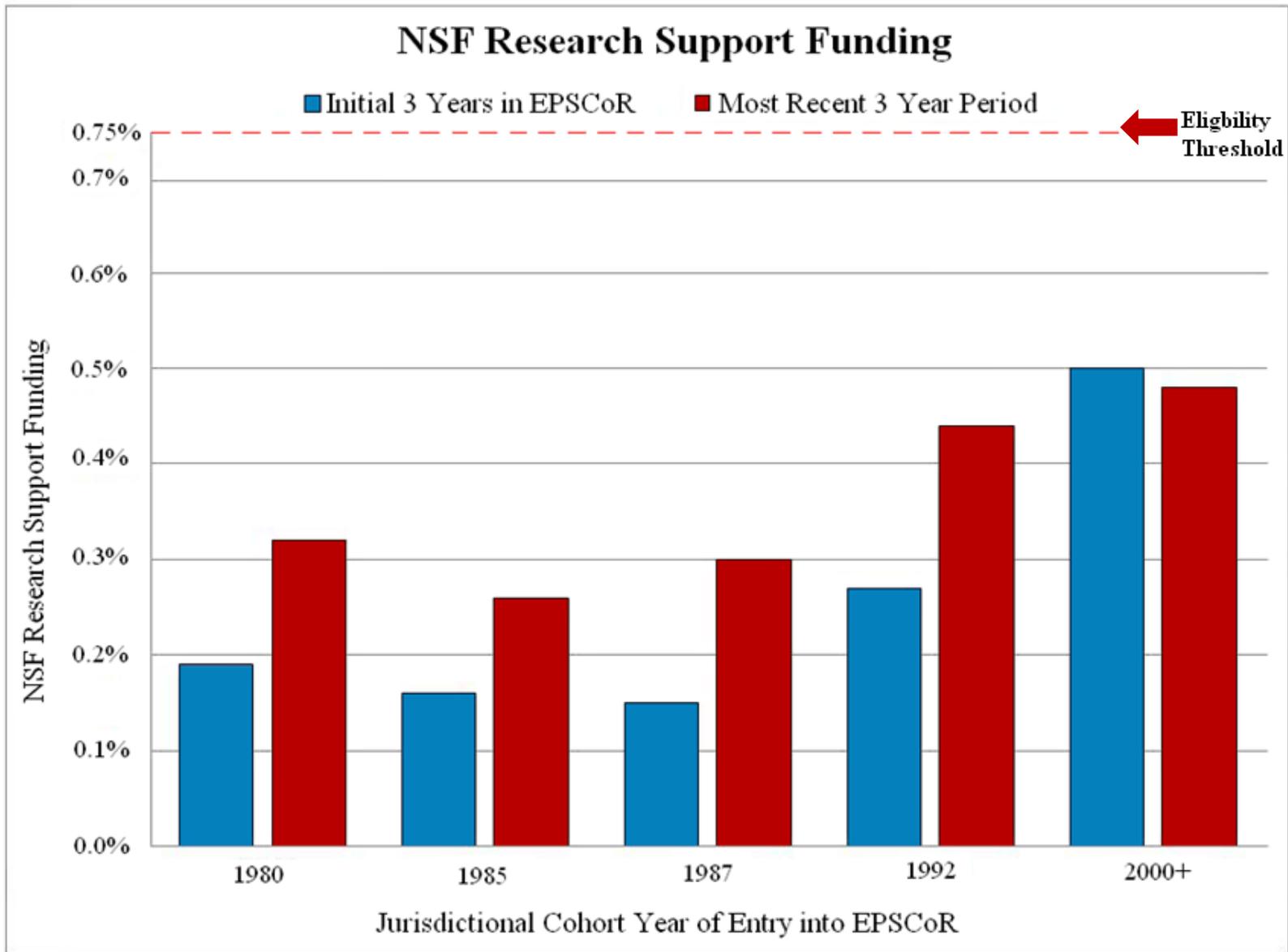
Tell the EPSCoR Success Story

NSF-centric

- Proposals submitted vs. awarded
- Percent of NSF funds
- Faculty retention *of RII participants*
- Student retention *of RII participants*
- Publications and patents *of RII participants*
- SBIR/STTR
- Changes in Carnegie classification of institutions
- Sustainability of RII research projects



NSF EPSCoR Funding by Cohort





Tell the EPSCoR Success Story

Broad Stakeholders-centric

- Emphasize impacts in three areas
 - Scientific breakthroughs
 - Training the innovation generation
 - Highlight model BP programs
 - Societal benefits, e.g. improving quality of life



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Thank-you!