

Building Research Capacity

The Experimental Program to Stimulate Competitive Research (EPSCoR)

Monday, October 3, 2011

2:00pm-3:00pm, Russell Senate Office Building, Room 253



PRESENTATIONS

What Is EPSCoR?

Henry Blount
EPSCoR Director

Regional Collaborations for Success

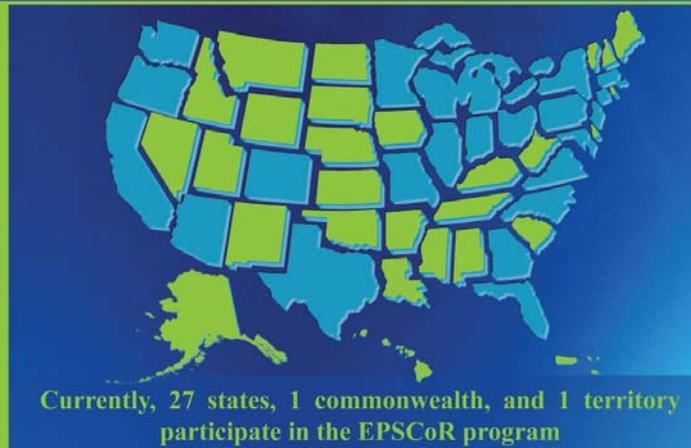
Judith Van Houten
Vermont

States and EPSCoR: The Power of Partnerships

Paul Hill
West Virginia

From Discovery to Market

Michael Eckardt
Maine



U.S. Senate Commerce, Science, and Transportation Committee and the National Science Foundation (NSF) Office of Integrative Activities invite you to attend an informational briefing on the Experimental Program to Stimulate Competitive Research (EPSCoR). This program helps enhance the nation's science and engineering capacity.

At this briefing, experts will provide basic information about the EPSCoR program — what it is and how it works — in addition to sharing success stories on how the program has catalyzed regional collaborations and cultivated the development of marketable products.

- What is EPSCoR, and how does it work?
- What can EPSCoR do for my state if it is not EPSCoR-eligible?
- How does EPSCoR build research capacity?
- How does research capacity lead to economic development?

Please join us for a candid discussion regarding this capacity-building program. Contact NSF's Office of Legislative and Public Affairs at (703) 292-8070, if you need any additional information regarding this event.



National Science Foundation



EPSCoR

Experimental Program to Stimulate Competitive Research

Judith Van Houten – Vermont

Paul Hill – West Virginia

Michael Eckardt – Maine

Henry Blount – NSF EPSCoR

3 October 2011



What is EPSCoR?

- State-based capacity-building program
 - Governance led by State Committee
 - Alignment with State S&T plan
 - Research driven: **Science First!**
 - State co-investment
 - Economic development
- Multidisciplinary
- Multi-institutional
- Cooperative interaction between NSF and the EPSCoR community



EPSCoR in Context

- Established by NSB Resolution in 1978
- Target: States receiving lesser amount of NSF research support funding
- Purpose: To build sustainable capacity of educational institutions in those states to compete more successfully in NSF and other research programs



NSF EPSCoR Jurisdictions

1980

Arkansas
Maine
Montana
South Carolina
West Virginia

2001

Hawaii
New Mexico

2002

U.S. Virgin Islands

1985

Alabama
Kentucky
Nevada
North Dakota
Oklahoma
Puerto Rico
Vermont
Wyoming

2003

Delaware

2004

New Hampshire
Rhode Island
Tennessee

1987

Idaho
Louisiana
Mississippi
South Dakota

2009

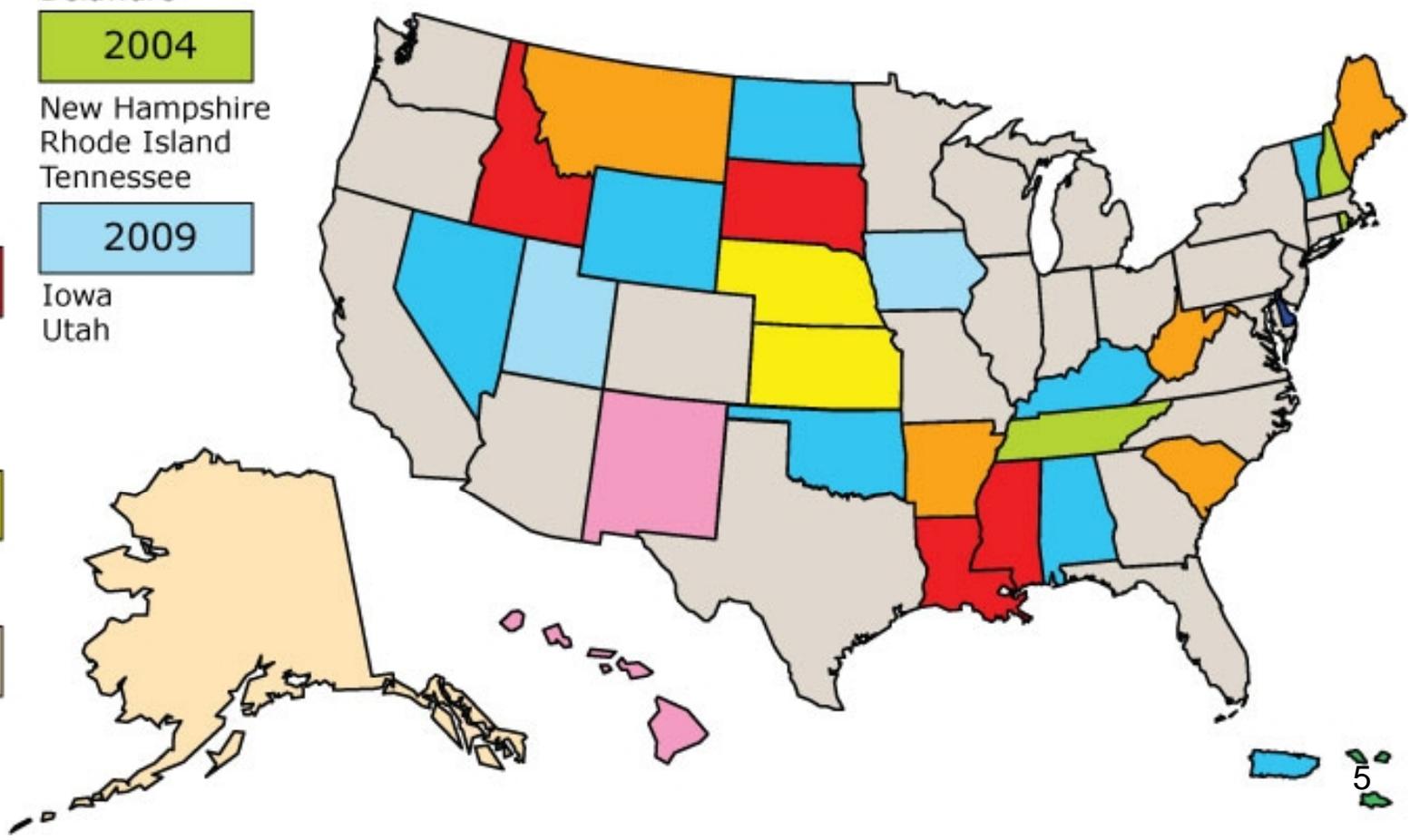
Iowa
Utah

1992

Kansas
Nebraska

2000

Alaska





EPSCoR Strategic Objectives

- Catalyze key research themes
- Activate effective jurisdictional and regional collaborations
- Broaden participation
- Use EPSCoR for development, implementation, and evaluation of programmatic experiments

Strengthen Jurisdictions Capacity for Competitiveness



EPSCoR Investment Strategies

- **Research Infrastructure Improvement Awards**
Support physical, human, and cyber infrastructure within academic institutions at the state level (~65%)
- **Co-Funding with NSF Directorates and Offices**
Supports individual investigators and groups from EPSCoR jurisdictions by co-investment with disciplinary research programs in their meritorious proposals (~34%)
- **Outreach Activities and Workshops**
Brings EPSCoR jurisdiction investigators together with NSF program staff; builds mutual awareness and transparency (~1%)



EPSCoR Investment Tools for Capacity Building

- **Research Infrastructure Improvement Awards (RII)**
 - Track-1: Up to \$4M/year for up to 5 years to jurisdictions to improve physical, human, and cyber infrastructure critical to R&D competitiveness in priority research areas.



EPSCoR Investment Tools for Capacity Building (cont'd)

- **Research Infrastructure Improvement Awards (RII)**
 - Track-2: Up to \$2M/year for up to 3 years to consortia of jurisdictions to support innovation-enabling cyberinfrastructure of regional, thematic, or technological importance. (New in FY 2009)



EPSCoR Investment Tools for Capacity Building (cont'd)

- **Research Infrastructure Improvement Awards (RII)**
 - **Inter-Campus and Intra-Campus Cyber Connectivity (C2)**: Up to 2 years and \$1M to support the enhancement of inter-campus and intra-campus cyber connectivity and broadband access within an EPSCoR jurisdiction. (New in FY 2010)



Infrastructure

Physical – Human – Cyber

the enabling apparatus of
science and engineering



Thank You!