



Maine EPSCoR State Conference

Denise M. Barnes
John H. Hall
NSF EPSCoR
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EPSCoR Impacts



Old Town Fuel and Fiber is run out of a converted paper mill.

- AR: Laser-based materials science program – led to successful OK/AR MRSEC
- WV: National Faculty Diversity Workshop
- ME: Old Town Fuel and Fiber – new jobs
- VT: Emmy nominated public TV programs
- LA: Louisiana Optical Network Initiative
- Interstate collaborative networks



Maine



Advanced Engineered Wood Composites (AEWC)

- Sustainability Science
 - Expand capacity to understand and respond to sustainability challenges; coupled dynamics of social-ecological-systems (SES) and the use of SES in decision-making
- Compelling Elements:
 - Potentially transformative, high integration of natural and social science; model for sustainability research that could be adapted for other ecologically sensitive systems
 - Engagement of Native Americans to foster better stewardship of tribal lands; strong mentoring program for new faculty
- Participants:
 - University of Maine System (Seven Institutions); University of New England
 - Bates, Bowdoin, Colby (Private), Unity, College of the Atlantic





The President's Priorities

- Providing the foundation for long-term economic growth
- Accelerating the transition to a low carbon economy
- **Allowing Americans to lead longer, healthier lives**
- Confronting new threats to America's security
- **Ensuring that America has a world-class STEM workforce**
- Making government more open and responsive

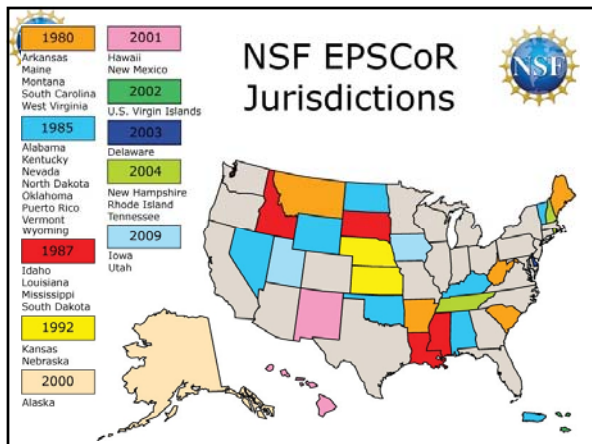
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National Science Foundation FY 2010 Priorities

- **New Faculty and Young Investigators** \$203M
- **Graduate Research Fellowships** \$122M
- **Advanced Technology Education** \$67M
- **Climate Change Education** \$10M

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Infrastructure

Physical – Human - Cyber

the enabling apparatus of science and engineering

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Strategic Investment Tools

- Research Infrastructure Improvement Awards (RII) (~2/3)
- Co-funding (~1/3)
- Outreach and Workshops (~1%)

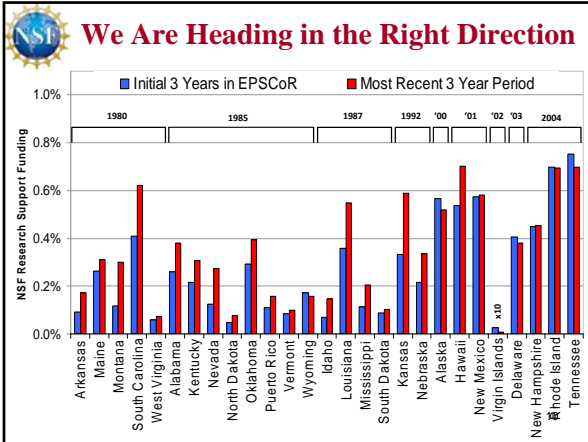
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Co-Funding: Maine

FY	EPSCoR CF	NSF Total	Leverage
1999	1.42	3.45	2.42
2000	0.87	1.55	1.78
2001	1.79	5.38	3.01
2002	2.52	6.08	2.41
2003	1.01	2.05	2.03
2004	0.99	2.57	2.59
2005	0.75	1.93	2.59
2006	1.24	3.80	3.06
2007	0.52	1.69	3.25
2008	2.05	4.50	2.20
FY 99-08	13.16	33.01	2.51

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The Greatest Threat to American Science and Engineering

The Face of American S&E

Is Not the Face of America

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Employing Diversity Effectively

Diversity is not the objective.

It is a means to facilitate our achieving the **critical** objective: innovation.

J. DeSimone

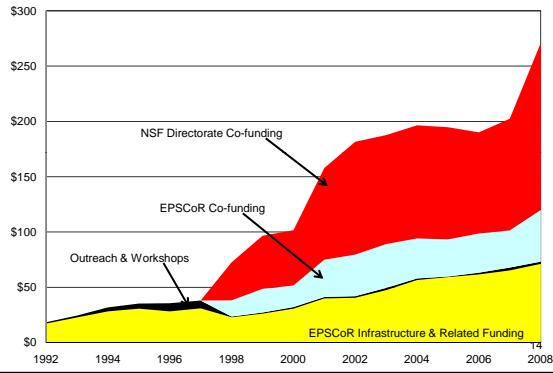
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- Back-ups



EPSCoR Investments Leveraged with Funds from NSF Disciplinary Directorates (\$M)





EPSCoR Investment Tools for Capacity Building

- Research Infrastructure Improvement Awards (RII)
 - 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.



NSF EPSCoR Funding (\$M)

Activity	FY06 Actual	FY07 Actual	FY08 Actual	FY09 C Plan	FY10 Req
RII	61.7	65.8	72.8	91.5	114.4
Co-Fund	36.4	36.2	46.7	40.0	31.2
Outreach Workshp	0.1	0.1	0.5	1.5	1.5
Total	98.2	102.1	120.0	133.0	147.1
