

Building Regional Collaborations Boise, ID



Partnerships to Meet Global Challenges



- Weather and climate forecasting
- Disaster vulnerability and responses
- Economic and political dynamics
- Dynamically responsive sensors & materials
- Sustainable energy technologies

National Science Foundation Investment Priorities – FY 2009



- **Cyber-enabled Discovery and Innovation** \$100 million
- **Dynamics of Water Processes** \$10 million
- **Science and Engineering Beyond Moore's Law** \$15 million
- **Adaptive Systems technology** \$20 million



EPSCoR Western Tri-state Consortium

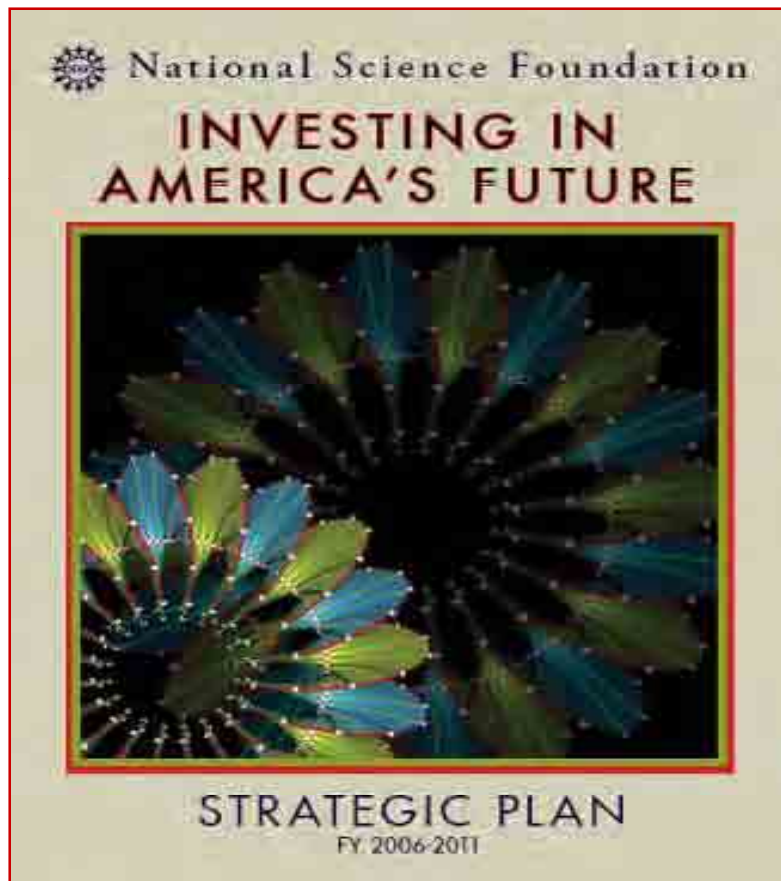


- FY 2009 Budget
- Stimulus Funds
- RII Competitions

Building Regional Collaborations



Strategic Planning



- Fundamental tool focusing on how a state or region can transform itself



SUSTAINABILITY



Personal

Regional

Institutional

National

State-wide

Global



EPSCoR Objectives

- To catalyze key research themes and related activities within EPSCoR jurisdictions that empower knowledge generation, dissemination, and application.
- To activate effective jurisdictional and regional collaborations among academic, government, and private sector stakeholders that advance scientific research, promote innovation, and provide multiple societal benefits.



EPSCoR's Objectives

- To broaden participation in science & engineering by institutions, organizations, and people within EPSCoR jurisdictions.
- To use EPSCoR for development, implementation, and evaluation of future programmatic experiments that motivate positive change and progression.



NSF EPSCoR Cohorts

FY 1980

Arkansas
Maine
Montana
South Carolina
West Virginia

FY 2000

Alaska
FY 2001
Hawaii
New Mexico

FY 1985

Alabama
Kentucky
Nevada
North Dakota
Oklahoma
Puerto Rico
Vermont
Wyoming

FY 2002

U.S. Virgin Islands

FY 2003

Delaware

FY 2004

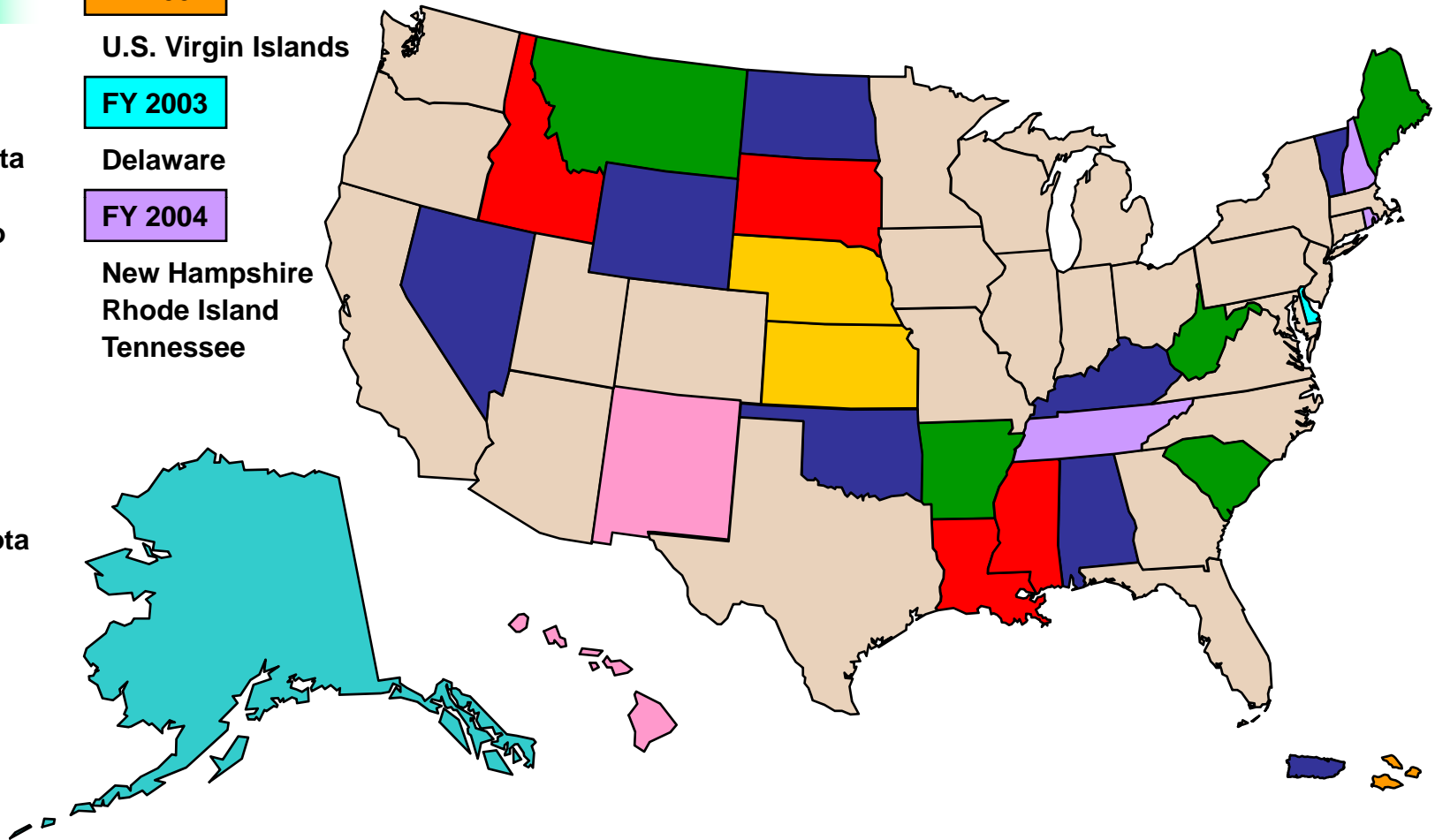
New Hampshire
Rhode Island
Tennessee

FY 1987

Idaho
Louisiana
Mississippi
South Dakota

FY 1992

Kansas
Nebraska





Investment Strategies

- **Research Infrastructure Improvement Awards**

Track-1: Up to 5 years and \$20M to jurisdictions to improve physical and human infrastructure critical to R&D competitiveness in priority research areas.

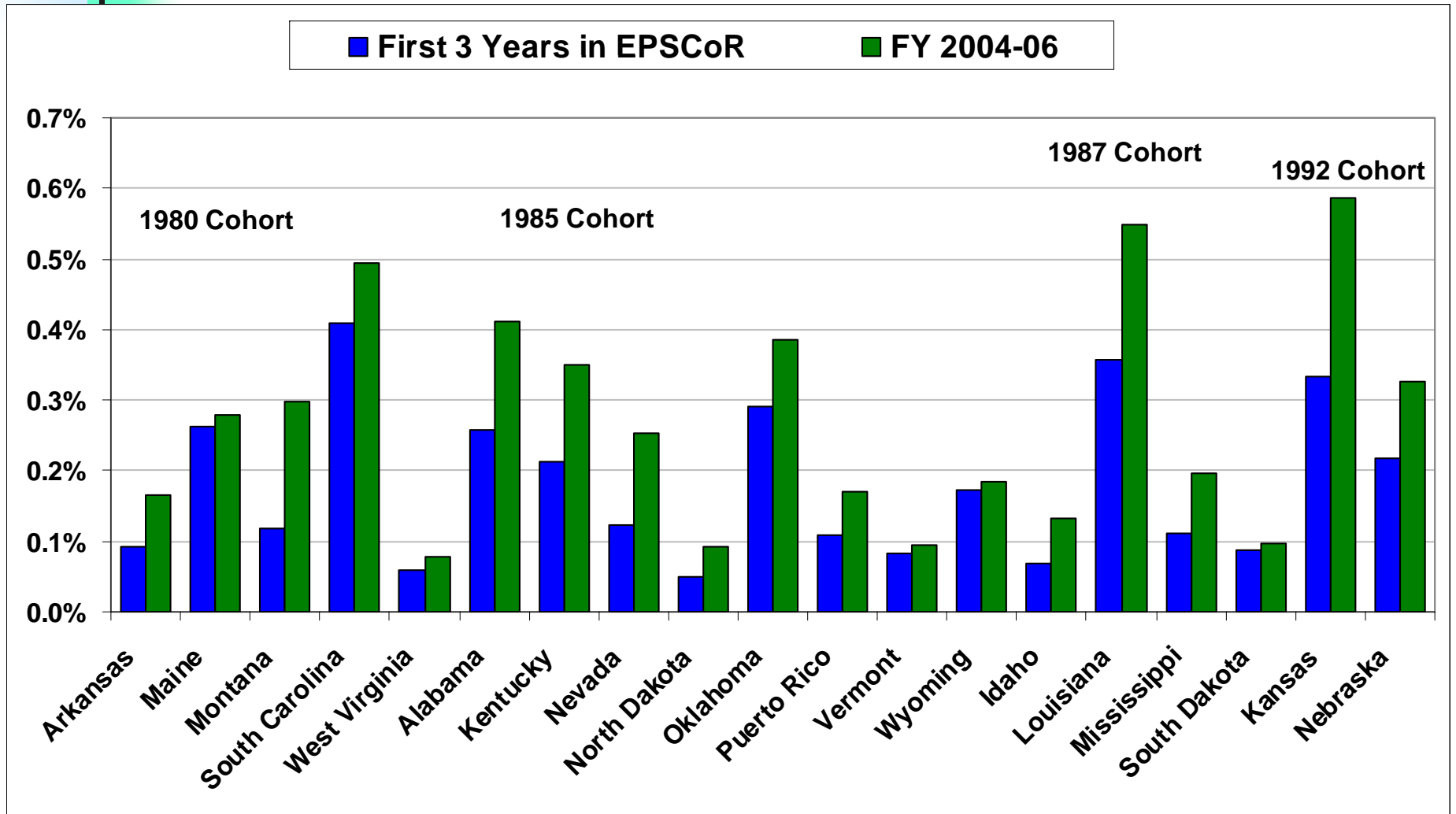
Track-2: Up to 3 years and \$6M to consortia of jurisdictions to support innovation-enabling cyberinfrastructure of regional, thematic, or technological importance.



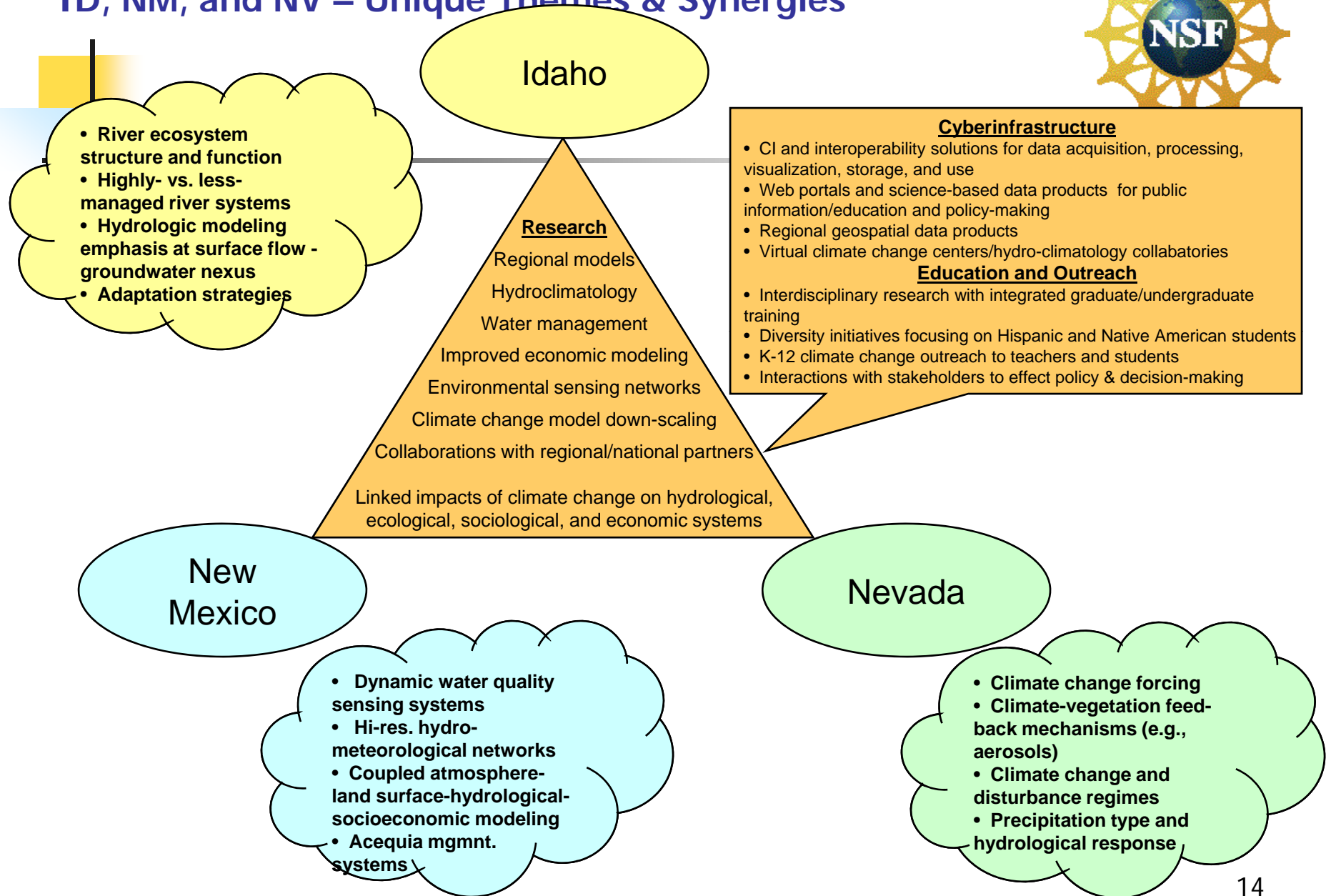
Investment Strategies

- **Co-funding – Joint support of proposals submitted by EPSCoR researchers to NSF’s regular grant programs**
- **Outreach/Workshops - Support of outreach visits by NSF program and professional staff and the conduct of workshops to acquaint EPSCoR researchers with NSF programs, priorities and policies**

EPSCoR States' Percentage of NSF Research Support Funding



ID, NM, and NV – Unique Themes & Synergies





EPSCoR's Origins



- Have historically received little federal research and development funding; and
- Have demonstrated a commitment to develop their research bases and improve science and engineering research and education programs at their universities and colleges.



EPSCoR Western Tri-state Consortium



Building Regional Collaborations

Annual Meeting of
Idaho, New Mexico and Nevada
March 31 – April 1, 2009
Boise, Idaho

Partnerships to Meet Global Challenges



Sustainability

- **Environment**
- **Energy**
- **Economy**