

# Stimulus Briefing Begins at 1 p.m. ET

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# Update on the American Recovery and Reinvestment Act of 2009

*for the Internet2 Community*

May 21, 2009



# Internet2 Stimulus Resource Page:

[http://www.internet2.edu/  
government/stimulus](http://www.internet2.edu/government/stimulus)



# Today's Update:

- ***Breaking:*** new NSF EPSCoR program?
- NSF ARI Solicitation Details
- NSF MRI Solicitation
- NTIA Broadband news & rumors

# EPSCoR Cyber Connectivity (C2) Initiative

- Up to \$1 million per EPSCoR state over 2 years for inter- and intra-campus connectivity (no match required)
- RFP out June 15, proposals due Sep 15
- Awards expected Dec 09
- Denise Barnes will be Program Manager

– Per Henry Blount, NSF EPSCoR Director, as reported by David Lassner, U. Hawaii, May 19, 2009



# NSF EPSCoR Cohorts

**1980**

Arkansas  
Maine  
Montana  
South Carolina  
West Virginia

**1985**

Alabama  
Kentucky  
Nevada  
North Dakota  
Oklahoma  
Puerto Rico  
Vermont  
Wyoming

**1987**

Idaho  
Louisiana  
Mississippi  
South Dakota

**1992**

Kansas  
Nebraska

**2000**

Alaska

**2001**

Hawaii  
New Mexico

**2002**

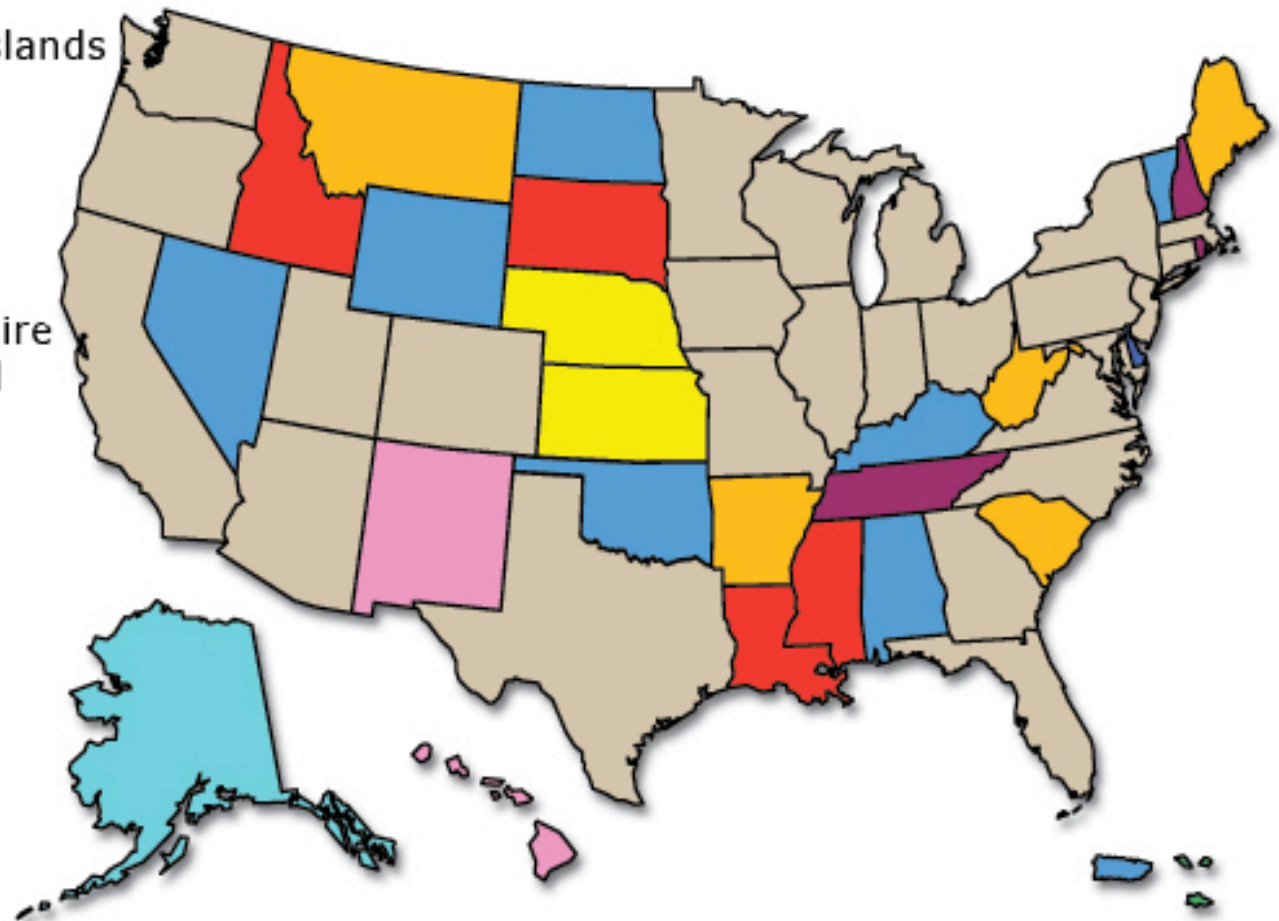
U.S. Virgin Islands

**2003**

Delaware

**2004**

New Hampshire  
Rhode Island  
Tennessee



# **NSF ACADEMIC RESEARCH INFRASTRUCTURE PROGRAM**

**RECOVERY AND INVESTMENT**

**(ARI-R2)**

**NSF 09-562**



# DEADLINES

- July 1, 2009 (Letters of Intent)
- August 24, 2009 (full proposals)

# PROPOSAL INTENT

- Invest in repair/renovation/replacement of existing research facilities
- Augment campus and inter-organizational cyberinfrastructure (other than general purpose computing or data storage systems) to create environments that enhance research and integrate research with education
- Enhance historically underrepresented institutions to improve their research environments

# PROPOSAL DETAILS

- Funding is anticipated for:
  - 100 awards from \$250K-\$2M for up to 3 years
  - 6-10 awards from \$2M-\$5M for up to 4 years
  - 3-5 awards from \$5M-\$10M for up to 4 years
- Overall funding pool of \$200M

# PROPOSAL DETAILS (continued)

- Support underlying infrastructure, including routine sustaining infrastructure, equipment integral to operation, and network connectivity among research facilities, including circuit access, fiber deployment and associated hardware/software
- Intent is to revitalize existing research facilities where NSF-supported science is conducted
- Funding for improvement of physical space, mechanical building systems, and fixed equipment, rather than free-standing equipment
- Will not fund new construction, offices, basic building requirements, indirect costs, research activities, operational or maintenance costs, or salaries of organization employees

## PROPOSAL DETAILS (continued)

- OIA web page with FAQs:

[http://www.nsf.gov/dir/index.jsp  
?org=OIA](http://www.nsf.gov/dir/index.jsp?org=OIA)

- Letters of Intent required; only one per organization
- Applicants expected to be notified regarding funding within 6 months from deadline

## PROPOSAL DETAILS (continued)

- ARRA award terms include transparency/accountability including mandatory annual electronic progress reports and timely expenditures (with consequences including funding reduction/termination)
- Grants between \$250K and \$2M will require quarterly reports (with final reports including photos or other completion documentation)

## PROPOSAL DETAILS (continued)

- Awards of \$2M-\$10M will also require monthly activity and financial reports, quarterly project reports, an onsite review in Year 2 at NSF's option, and photos of the final project upon completion

# SUBMISSION DETAILS: GENERAL

- Organizations may submit one proposal, either as lead or sub-awardees, but not both. Subawards solely for widely recognized commercial service (architectural design, construction, or telecommunications) are not subject to this restriction
- Collaborative proposals encouraged as single proposal with subawards

# SUBMISSION DETAILS: LETTERS OF INTENT

- Title
- PI
- Submitting organization
- Name of facility to be renovated
- Project synopsis (2500 characters max) with justification (including contributions, improvements, and scientific impact)
- Project Personnel (max 2500 characters) including first /last name, organizational affiliation, title, and project role
- Submission via FastLane by organization's Sponsored Project Office (SPO) only (not by PI)

# SUBMISSION DETAILS: FULL PROPOSALS

- Cover
- 1 page project summary including separate mention of intellectual merit and broader impact
- 15-page project description:
  - 5 page research activity description w/ specific projects
  - 5 page research facility description/needs
  - 2 page project impact (transforming science, improving organization's infrastructure while broadening participation, and improving quality, effectiveness, distribution, and capacity of research community, geographic region, or national research enterprise)
  - 3 page project management and sustainability plans (including plant personnel end users, logistics/bid processes, project schedule, risk assessment, and regulatory permits)

# SUBMISSION DETAILS: FULL PROPOSALS (continued)

- Full proposals also must include a sustainability plan with business and management outlines for maintenance, operation, and technical support (including budget projections and sources of support)
- Proposals also to include standard FastLane sections (current/pending support, facilities descriptions)
- All proposals must be submitted via FastLane

# SUBMISSION DETAILS: FULL PROPOSAL BUDGETS

- Budgets must include:
  - 424C construction budget form as supplement to standard budget
  - Contingency plans (including cost escalation)
  - Compliance with ARRA wage rate specifications for laborers/mechanics

# SUBMISSION DETAILS: FULL PROPOSAL SUPPLEMENTAL DOCUMENTS

- Up to 3 Photos illustrating facility conditions
- Renovation 1-page schematic drawings
- Organization certification verifying funds for salary and operational costs
- Relevant vendor quotes
- Letter of Commitment to operate the facility for at least 3 years after project completion
- OMB Form 242D and supplementary budget form SF424C
- Project Execution Plan (for projects over \$2M)

# PROPOSAL REVIEW

- Evaluation will include intellectual merit, broader impact, integration of research and education, and integrating diversity into NSF programs
- ARRA review criteria also include: need for research facility enhancement, project impact, soundness of management plan, sustainability plan, and project execution plan
- Review process may involve ad hoc individuals and/or panels, and site visits on occasion

# **NSF MAJOR RESEARCH INSTRUMENTATION PROGRAM**

**RECOVERY AND INVESTMENT**

**(MRI-R2)**

**NSF 09-561**



# NSF MRI-R2 SOLICITATION

- Increase access to shared instruments too costly/ineligible for NSF support
- Improve scientific workforce through improved use of equipment
- Develop next generation instrumentation, especially items capitalizing on CI investment
- Promote instrumentation development between private and academic sectors
- This solicitation is separate from NSF's annual MRI program
- Eligible applicants: PhD-granting, non-PhD granting, and non-degree-granting organizations (consortia may apply with eligible organization as lead)

# PROPOSAL DETAILS

- 400 awards anticipated within \$200M pool
- 5 year Development and 3 year Acquisition proposals
- \$40M likely for midscale instrumentation instrumentation (\$2M-\$6M)
- Cost-sharing required except for non-PhD organizations or institutions NOT in top 100 in Federal funding

# REVIEW CRITERIA

- Acquisition proposals: extent of shared use, management plan, well justified operations, use of enhanced research in teaching and training, and impact of mid-scale instrumentation at state or national levels
- Development proposals: management plan, technical expertise, cost-appropriateness of new technology, and justified need for development of new instrumentation

# NTIA and RUS Broadband Programs

- On [www.recovery.gov](http://www.recovery.gov) there are now posted “agency recovery plans.”

- NTIA:

[http://www.recovery.gov/?q=content/program-plan&program\\_id=5517](http://www.recovery.gov/?q=content/program-plan&program_id=5517)

- RUS:

[http://www.recovery.gov/?q=content/program-plan&program\\_id=5408](http://www.recovery.gov/?q=content/program-plan&program_id=5408)

# NTIA Broadband Technology Opportunities Program (BTOP)

- Schedule: NOFA “June 2009\*”
- Proposal Processing & Review Sep-Dec 2009
- Initial Grant Awards: Dec 2009
- Second Solicitation: Oct – Dec 2009
- Third Solicitation: April-June 2010
- All Awards to be made by Sept. 2010

# NTIA Broadband Technology Opportunities Program (BTOP)

“Measures” include:

- Job creation
- Expanded broadband access
  - Number of areas where service will be made available or improved, and how many homes and businesses are passed by the network
- Stimulate private-sector investments
- High-speed access to “strategic institutions”
- Encourage broadband demand

# Agriculture Rural Utility Service Broadband Program

- Schedule
  - NOFA “in June” for first round of funding
  - Anticipate awards by end of FY 2009

# Agriculture Rural Utility Service Broadband Program

- Measures
  - New or retained businesses in areas funded
  - Jobs created or saved
  - Number of households and businesses receiving first-time access
  - Number of households and businesses receiving improved broadband access
  - Number of educational, health care and public safety providers receiving access

**For resources, see**

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