



Where We Stand: Computing Research Funding Post-Stimulus

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Three-part discussion

Stimulus
FY 09 Approps
FY 10 Budget



#1

American Recovery and Reinvestment Act of 2009



Quick overview:

\$787 billion

Meant to be spent quickly

One-time infusion?



Computing Research in the Stimulus



Places mentioned in the stimulus
where computing research has been
known to hang out:



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National Institute of Standards and Technology
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Department of Defense?



Defense Department gets \$300 million
(\$75 mil each to the services) for:

...improvements in energy generation and efficiency, transmission, regulation, storage, and for use on military installations and within operational forces, to include research and development of energy from fuel cells, wind, solar, and other renewable energy sources to include biofuels and bioenergy.



National Science Foundation

\$3 billion overall in the stimulus

\$2.5 billion in Research and Related Activities

\$2.0 billion in core research

\$300 million for Major Research Instrumentation

\$200 million for Academic Facilities Modernization

\$400 million in MREFC

\$100 million in Education and Human Resources

\$60 million Robert Noyce Scholarship Program

\$25 million for Math and Science Partnerships

\$15 million for Professional Science Master's Program



National Science Foundation

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Do we know how much will go to CISE or OCI?



National Science Foundation

\$2.5 billion in Research and Related Activities

Do we know how much will go to CISE or OCI?

CISE = 11 percent of R&RA in FY08

OCI = ~4 percent of R&RA in FY08

11 percent of \$2.0 billion = \$220 million

4 percent of \$2.0 billion = \$80 million

*Pure
Speculation*

*Pure
Speculation*



National Science Foundation

“NSF is directed to submit to the House and Senate Committees on Appropriations a spending plan, signed by the Director, detailing its intended allocation of funds provided in this Act within 60 days of enactment of this Act.”



Department of Energy

Office of Science received \$1.6 billion in stimulus

\$400 million for ARPA-E

*\$100 million for Advanced Scientific
Computing Research?*



Department of Energy

Energy Efficiency and Renewable Energy

\$50 million to “improve efficiency of ICT and improve standards”



National Institute of Standards and Technology

\$500 million in the stimulus

\$220 million in core research (STRS)

\$0 for MEP and TIP

\$20 million for Health IT (standards for health security and interoperability)



National Institutes of Health

\$10 billion windfall in the stimulus

\$1.2 billion for National Center for Research Resources

\$8.2 billion for the Office of Director

\$7.4 billion for the Centers



NASA

\$1.02 billion overall

\$400 million for NASA Science for “climate research missions and to increase the agency’s supercomputing capability.”



Broadband?



Broadband funding in stimulus:

\$4.7 billion overall

\$4.35 billion to the National Telecommunications and Information Administration

"award competitive grants to accelerate broadband deployment in unserved and underserved areas and to strategic institutions that are likely to create jobs or provide significant public benefits,"

\$350 million for Broadband Mapping



2

FY 2009 Omnibus Appropriations



FY 2009 Appropriations

Congress has only passed 3 of the 12 annual appropriations bills necessary for the continued operation of government

The remaining bills will be rolled into an omnibus measure

Congress has to act before March 6th, even if it's just to pass another CR



House and Senate Approps Committees both approve somewhat generous bills for key science agencies

But, despite the apparent agreement, science funding still threatened

Omnibus is pre-conferenced and ready to roll, but the numbers are still unknown



<http://cra.org/blog>



#3

FY 2010 Budget Request



Obama's first

Theme is “deficit reduction”

On Tuesday, he'll lay groundwork;
Thursday, release the “budget outline”

Biggest reductions come from downsizing military spending
and troop deployments?



Will the stimulus funding contribute to the baseline in the FY10 budget? Or is stimulus funding truly one-time?



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“The President is not going to add \$3 billion to the NSF base.”

-Tom Kalil, Feb 23, 2009



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Thanks!

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