An Update on the FY 2010 Federal Budget

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for COSEPP

AAAS R&D Budget and Policy Program
http://www.aaas.org/spp/rd

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The FY 2010 Budget

- $3.6 trillion total budget, $1.3 trillion unified deficit
- $1.4 trillion discretionary spending (9.1% increase)
  - $704 billion nondefense spending (16.0% increase)
- Includes military costs for activities in Iraq and Afghanistan
- Focuses on “stable and broad economic growth” by investing in:
  - Education
  - Healthcare
  - Energy
Trends in Discretionary Spending, FY 1976-2014

outlays in billions of constant FY 2009 dollars

FY 2009-2014 data are budget projections.
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American Recovery and Reinvestment Act

- $18.4 billion in R&D (12.5 percent of FY 2009 Investment)
  - National Institutes of Health - $10.4 billion
  - National Science Foundation - $3.0 billion
  - DOE Office of Science - $1.6 billion
  - National Institute of Standards and Technology - $600 million
- ARRA Obligation Deadline: September 30, 2010
- Different agencies, different mechanisms
- Buoys the 0.3% increase in R&D investment from FY 09-10
Trends in Federal R&D, FY 1976-2010

in billions of constant FY 2009 dollars

Source: AAAS analyses of R&D in annual AAAS R&D reports.
* FY 2010 figures are latest AAAS estimates of FY 2010 request.
R&D includes conduct of R&D and R&D facilities.
1976-1994 figures are NSF data on obligations in the Federal Funds survey.
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FY 2010 R&D Budget Request
Percent Change from FY 2009

<table>
<thead>
<tr>
<th>Agency</th>
<th>Percent Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIST</td>
<td>15.8%</td>
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<tr>
<td>VA</td>
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<tr>
<td>NSF</td>
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<tr>
<td>DOE Defense</td>
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<tr>
<td>USGS</td>
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<tr>
<td>NASA</td>
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<tr>
<td>DOE Energy</td>
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<tr>
<td>EPA</td>
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<tr>
<td>DOE Science</td>
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<tr>
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<tr>
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<td>DOD Weapons</td>
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<tr>
<td>USDA</td>
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<tr>
<td>NOAA</td>
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<tr>
<td>DOD S&amp;T</td>
<td>-15.6%</td>
</tr>
</tbody>
</table>

DOD "S&T" = DOD R&D in "6.1" through "6.3" categories plus medical research.
DOD weapons = DOD R&D in "6.4" and higher categories.
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R&D Investment Priorities

- Investing in the Sciences for a Prosperous America
  - General increases in science funding, especially basic research (3.4% increase, plus ARRA)
- A Clean Energy Future
  - DOE Energy Programs (5.4% increase, plus ARRA)
- Healthy Lives for All Americans
  - National Institutes of Health (1.5% increase, plus ARRA)
- A Safe and Secure America
  - Homeland Security Funding (23.8% increase)
FY 2010 R&D Budget Request by Function
percent change from FY 2009

Source: OMB and agency budget data.
Environment includes natural resources R&D
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The Federal R&D Investment for FY 2010

- Four R&D Investment Priorities
- On track to double funding for basic research agencies
- Small increase from FY 2009 to FY 2010, but ARRA has had a major impact
- Congressional marks are generally close to budget request

Next Steps

- Continuing Resolution through October 31, but only 2 bills signed and 2 others ready for signature. Interior bill will likely have CR to Dec 15 attached.
- Three bills waiting for conference after passing the House and Senate.
- Senate has five appropriations bills to pass, then conferences.
For More Information…

The AAAS R&D web site is http://www.aaas.org/spp/rd

The AAAS Forum on Science and Technology Policy is May 13–14, 2010 in Washington, DC