

# An Update on the FY 2010 Federal Budget

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for the Chinese Academy of Sciences

AAAS R&D Budget and Policy Program

<http://www.aaas.org/spp/rd>

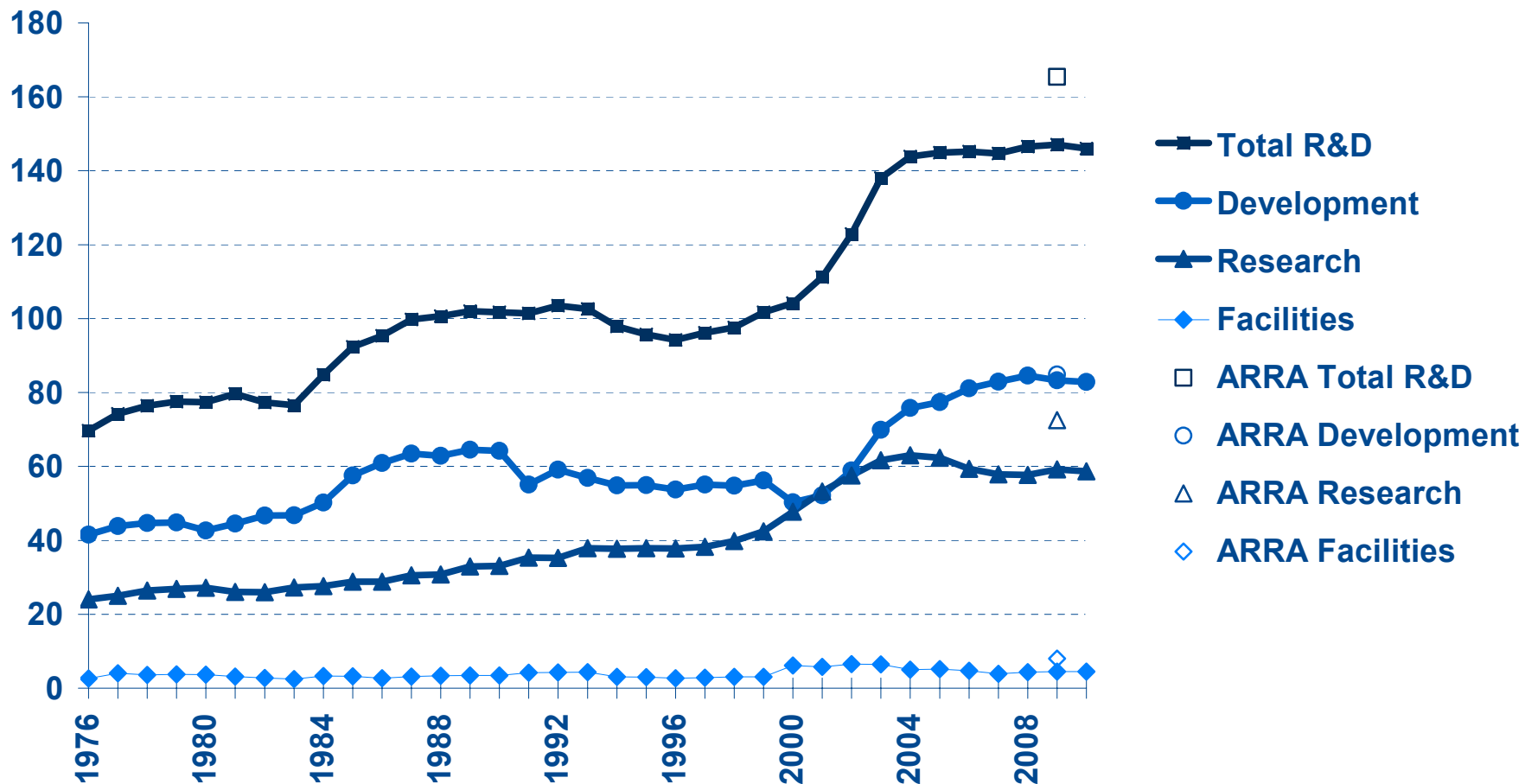
See the “Seminars and Presentations” section for  
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## American Recovery and Reinvestment Act

- \$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
- Buoyed 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.

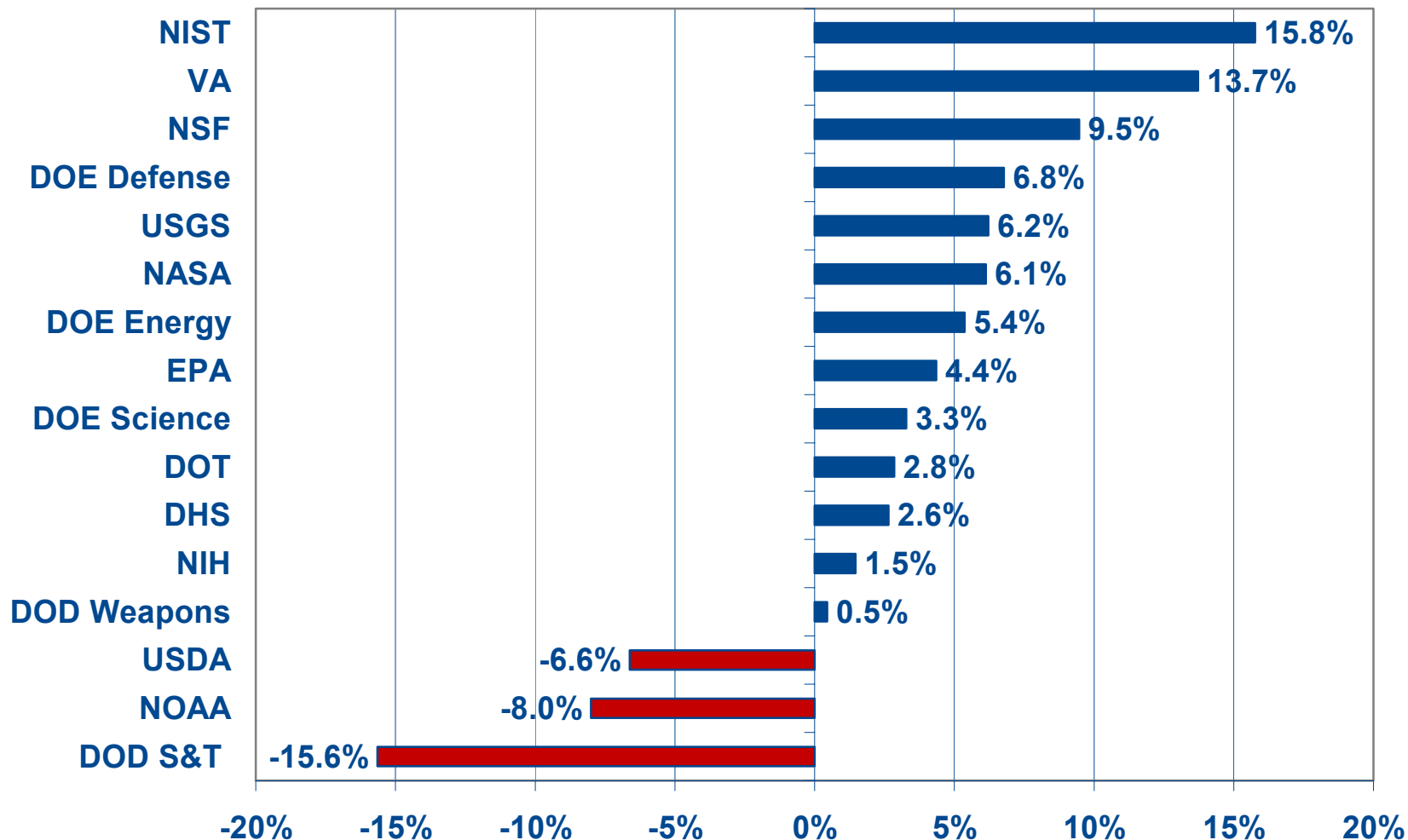
1976-1994 figures are NSF data on obligations in the Federal Funds survey.

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# FY 2010 R&D Budget Request

Percent Change from FY 2009



Source: AAAS Report XXXIV: Research & Development FY 2010.

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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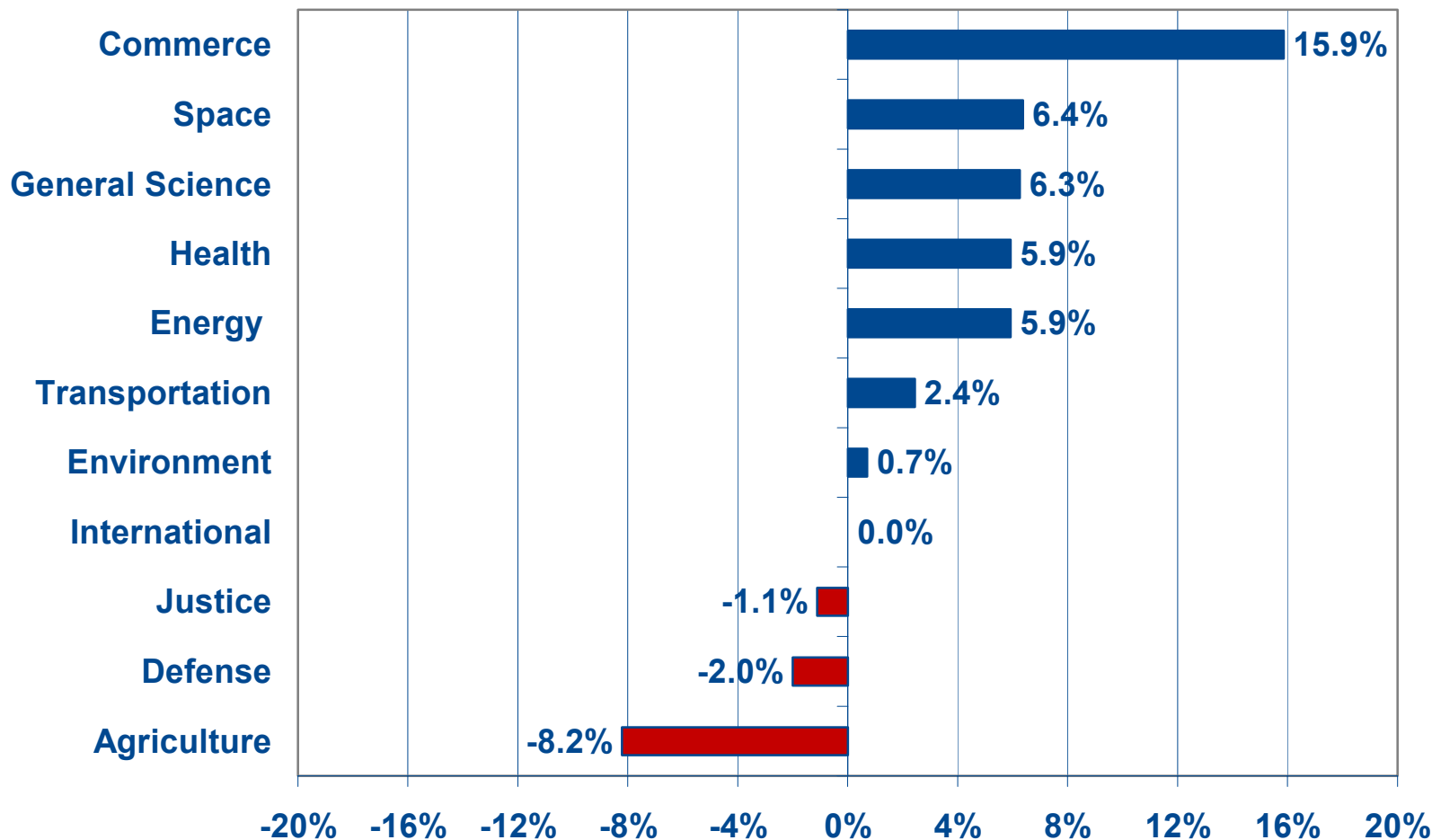


## R&D Investment Priorities

- 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



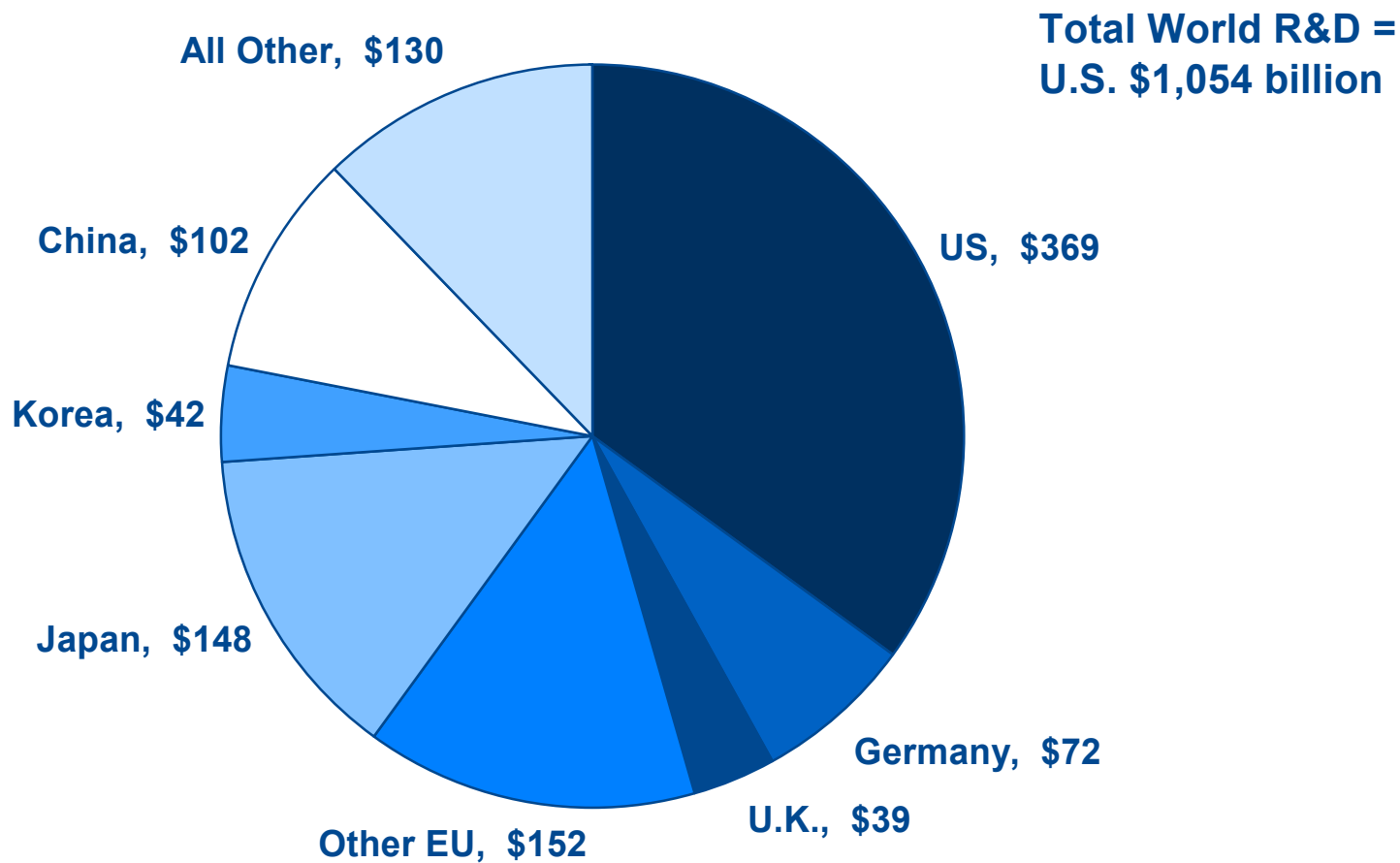
Source: OMB and agency budget data.  
Environment includes natural resources R&D  
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## The Federal R&D Investment for FY 2010

- 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
  - Senate has five appropriations bills to pass
  - Three bills have been conferenced, 1 signed by President

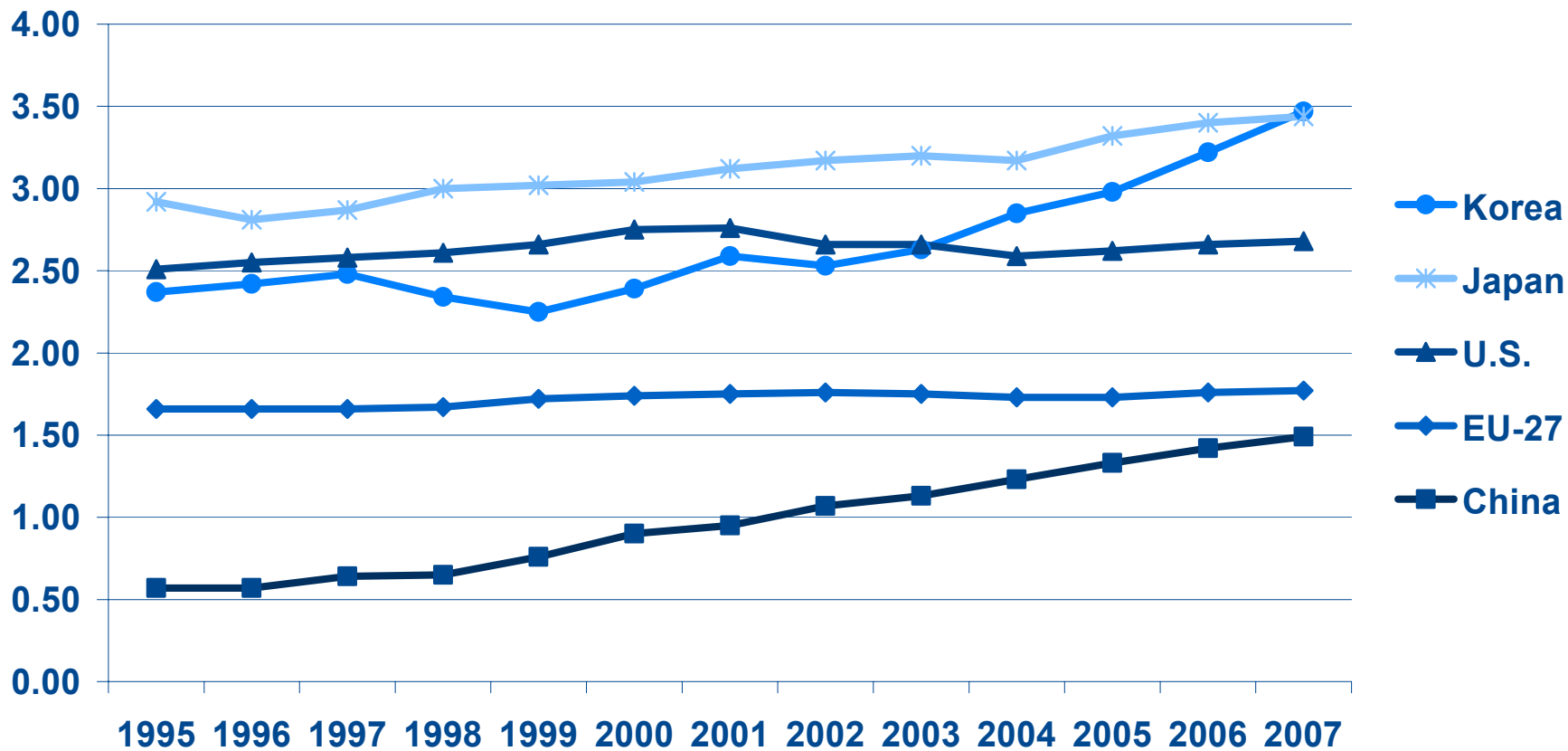
## Shares of Total World R&D, 2007



Source: OECD, Main Science and Technology Indicators, May 2009.  
World = OECD members plus Argentina, China, Israel, Romania,  
Russian Federation, Singapore, Slovenia, South Africa, Taiwan.  
Calculated using purchasing power parities.  
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## National R&D Investment as % of GDP, 1995-2007



Source: OECD, Main Science and Technology Indicators, May 2009.  
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## 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

