

Engineering R&D in the FY 2009 Budget

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for the ASEE Engineering Deans Council

AAAS R&D Budget and Policy Program

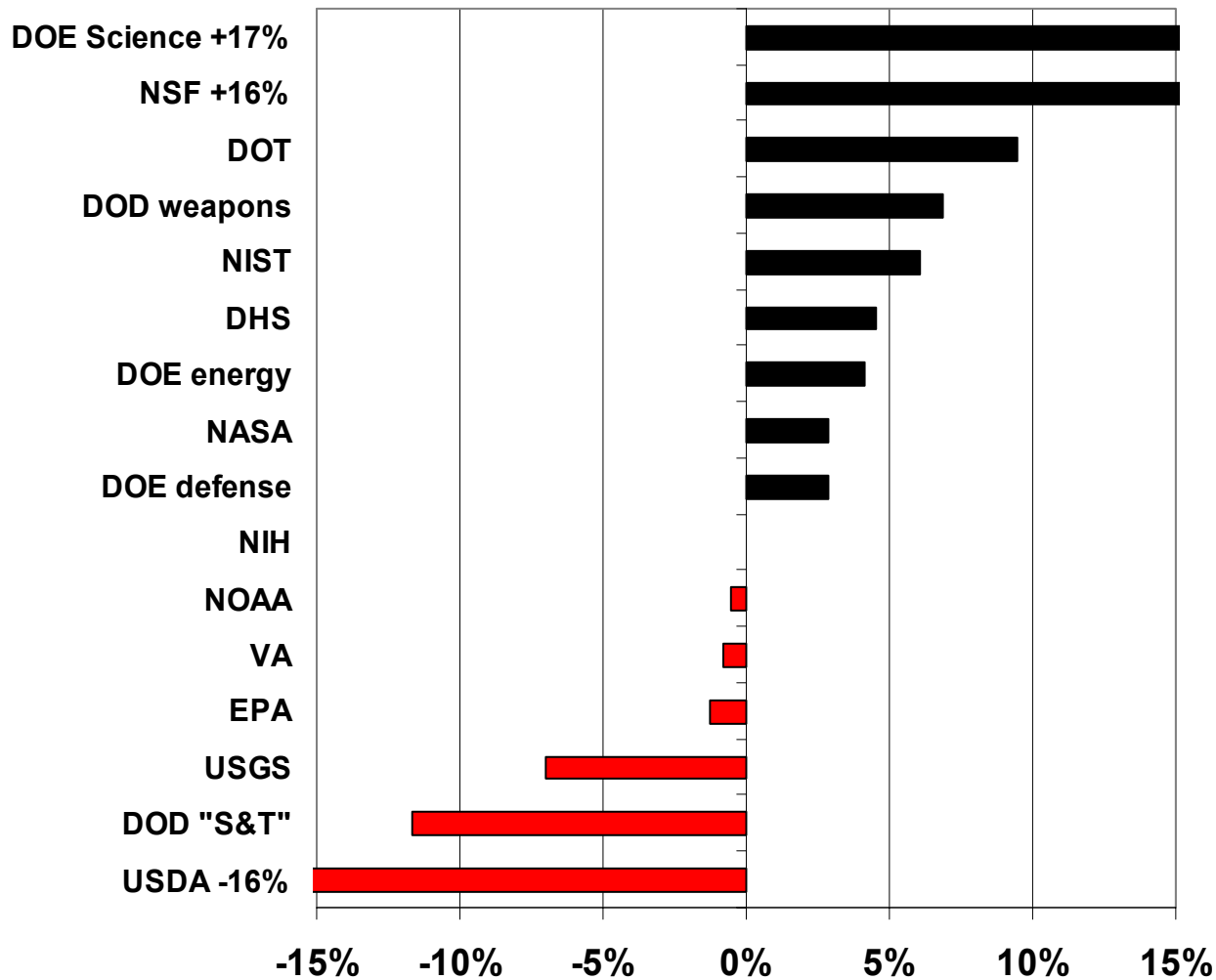
<http://www.aaas.org/spp/rd>

See the “What’s New” section for the latest updates; see the “Seminars and Presentations” section for copies of this presentation.



FY 2009 R&D Request (preliminary)

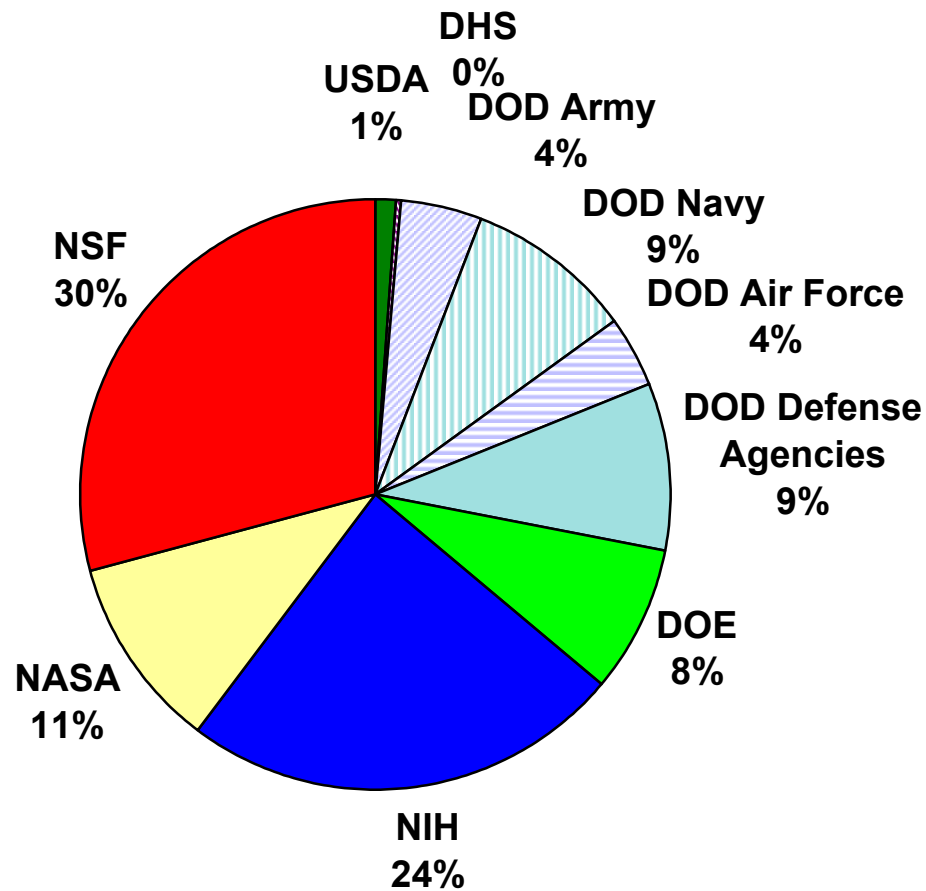
Percent Change from FY 2008



Source: AAAS, based on OMB R&D data and agency estimates for FY 2009.
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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ACADEMIC Engineering Research in the FY 2007 Budget (preliminary obligations)



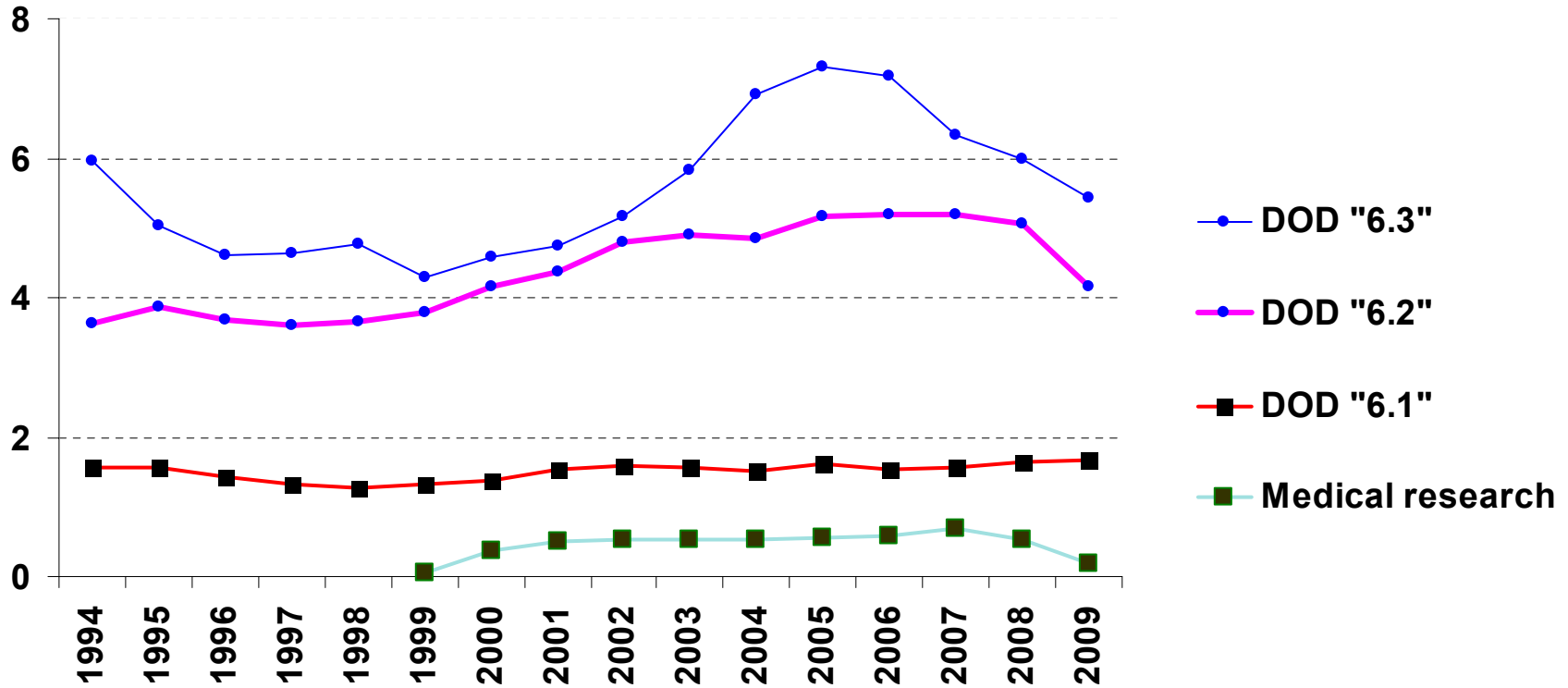
Total Engineering Research :
\$1.9 billion.
Data are for
USDA, DOD, DOE,
DHS, HHS, NASA,
and NSF only.

Source: National Science Foundation, *Federal Funds for Research and Development FY 2005, 2006, and 2007, 2008*.
Data exclude development and R&D facilities.
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Trends in DOD "S&T", FY 1994-2009 *

in billions of constant FY 2008 dollars



Source: AAAS analyses of R&D in annual AAAS R&D reports.

* - FY 2009 figures are latest AAAS estimates of FY 2009 request.

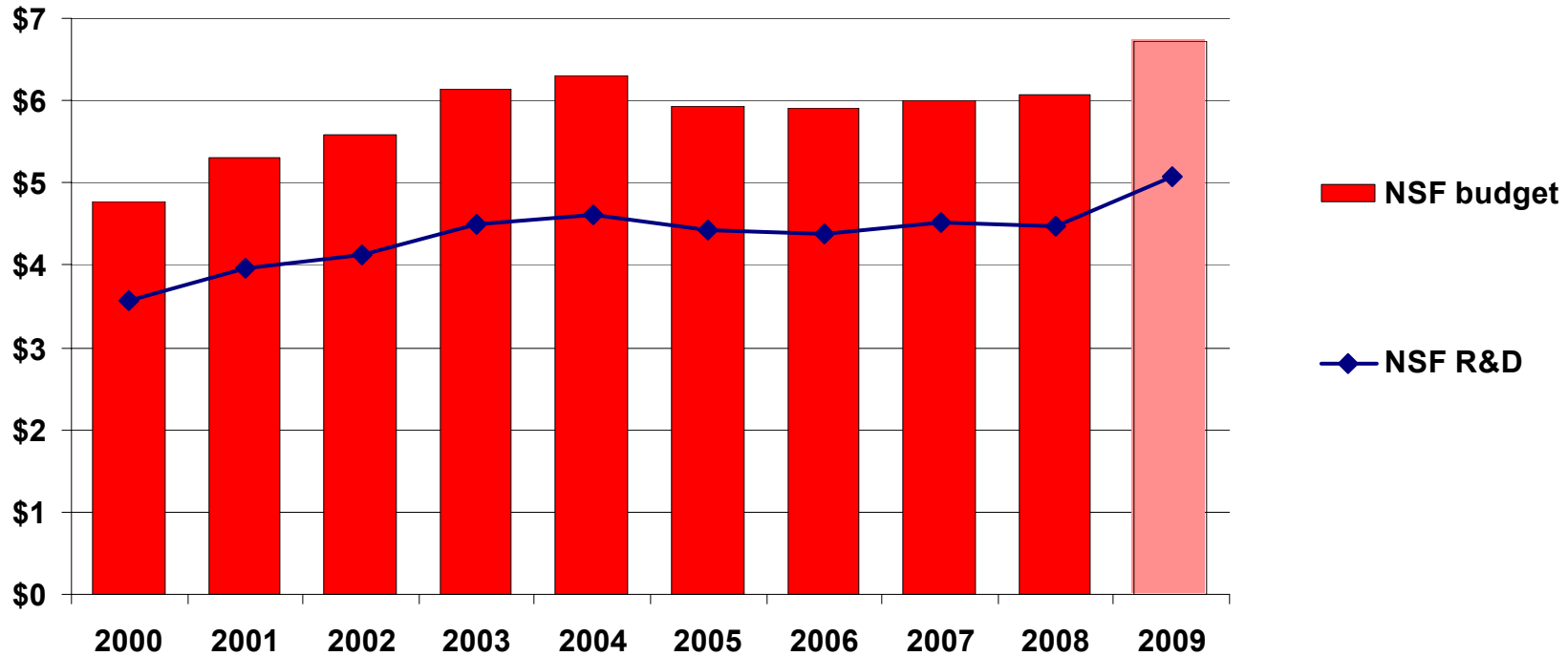
Medical research appropriated outside RDT&E; appropriated in "6.2" accounts before 1999.

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National Science Foundation Budget, FY 2000-2009

(budget authority in billions of constant FY 2008 dollars)

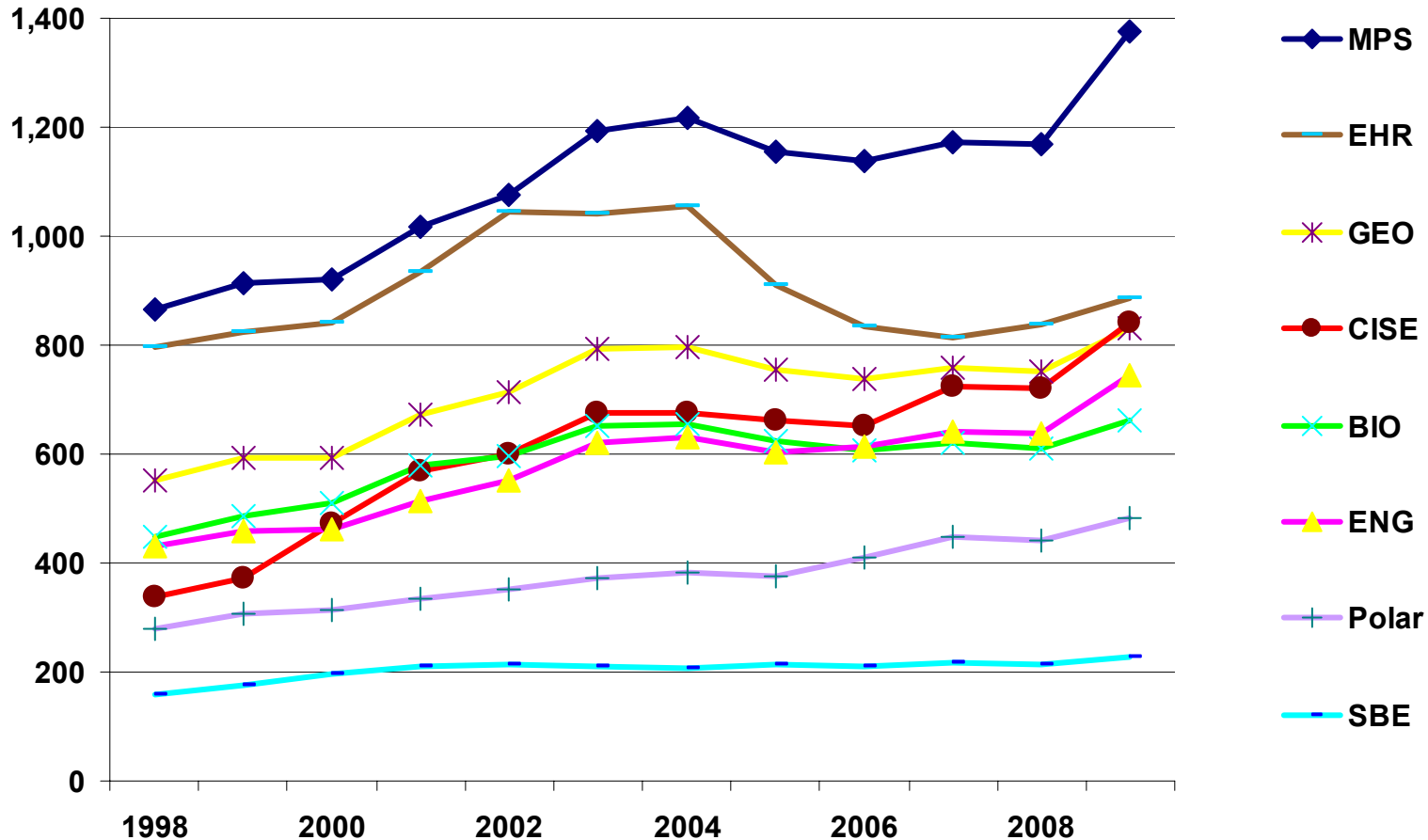


Source: National Science Foundation, and latest AAAS estimates of FY 2009 budget. FY 2009 is budget request.
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NSF Budget by Directorate, FY 1998-2009

(budget authority in millions of constant FY 2008 dollars)



Source: National Science Foundation data. FY 2009 figures are President's request.

CISE includes new Office of Cyberinfrastructure.

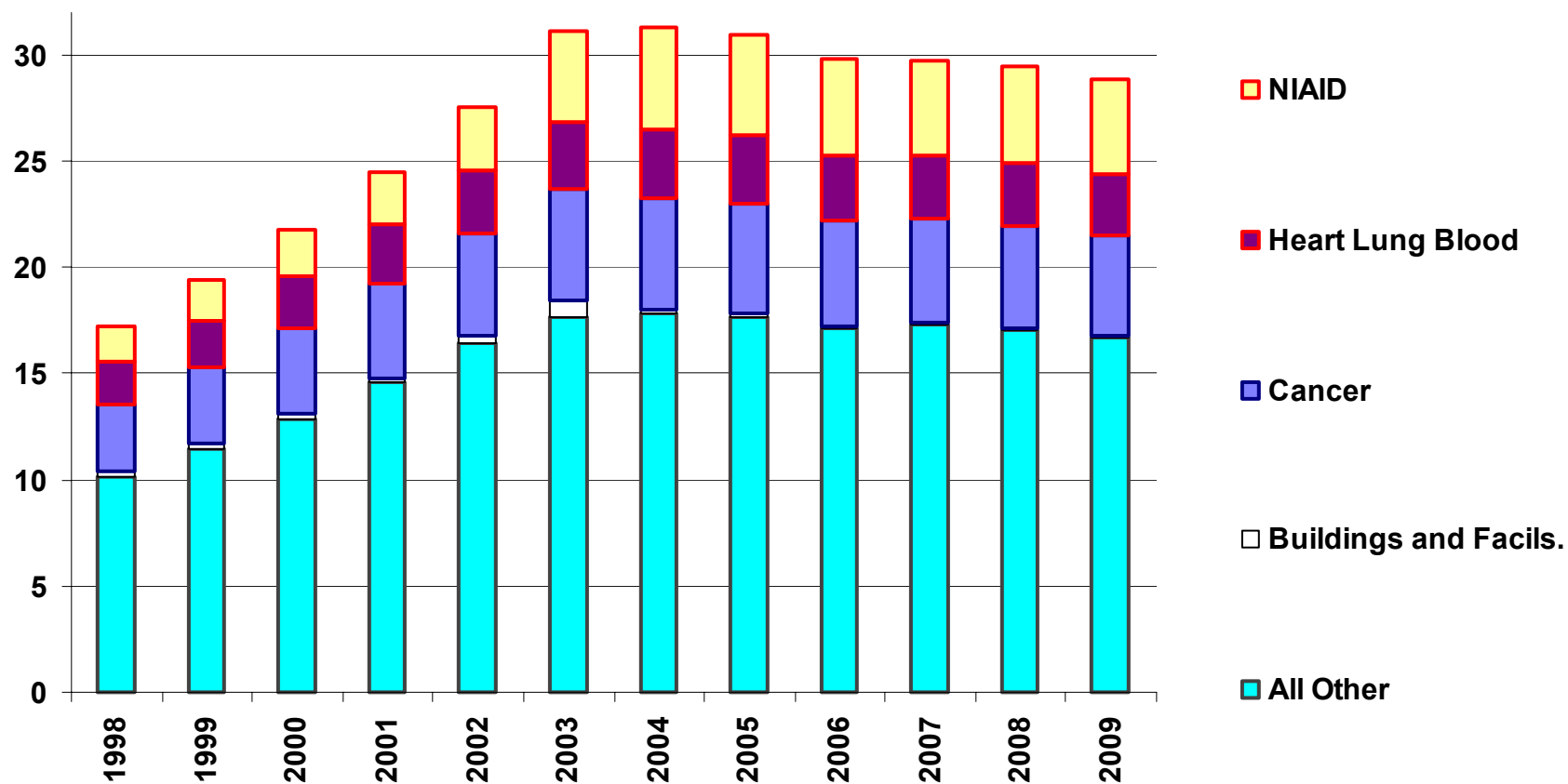
R&D and non-R&D components included in directorate budgets.

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National Institutes of Health Budget by Institute, 1998-2009 *

(budget authority in billions of constant FY 2008 dollars)



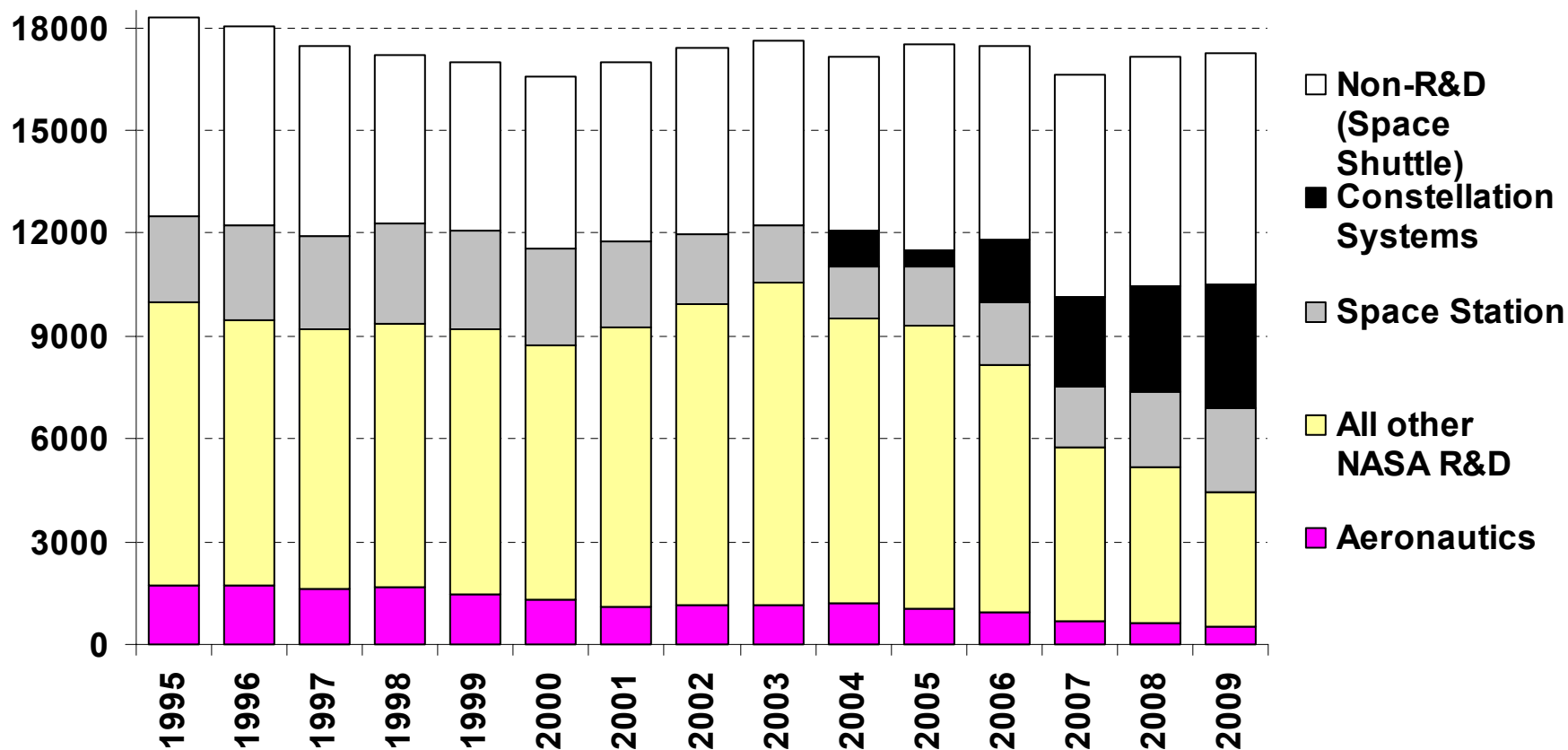
Source: AAAS R&D reports from NIH budget documents 1998-2009. * 2009 is latest AAAS estimates of FY 2009 request. Adjusted for inflation using OMB's GDP deflators.

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Trends in NASA R&D, FY 1995-2009 *

in millions of constant FY 2008 dollars



Source: AAAS analyses of R&D in AAAS Reports VIII-XXXIII. * FY 2009 figures are latest AAAS estimates of FY 2009 request. Program budgets include associated support costs.

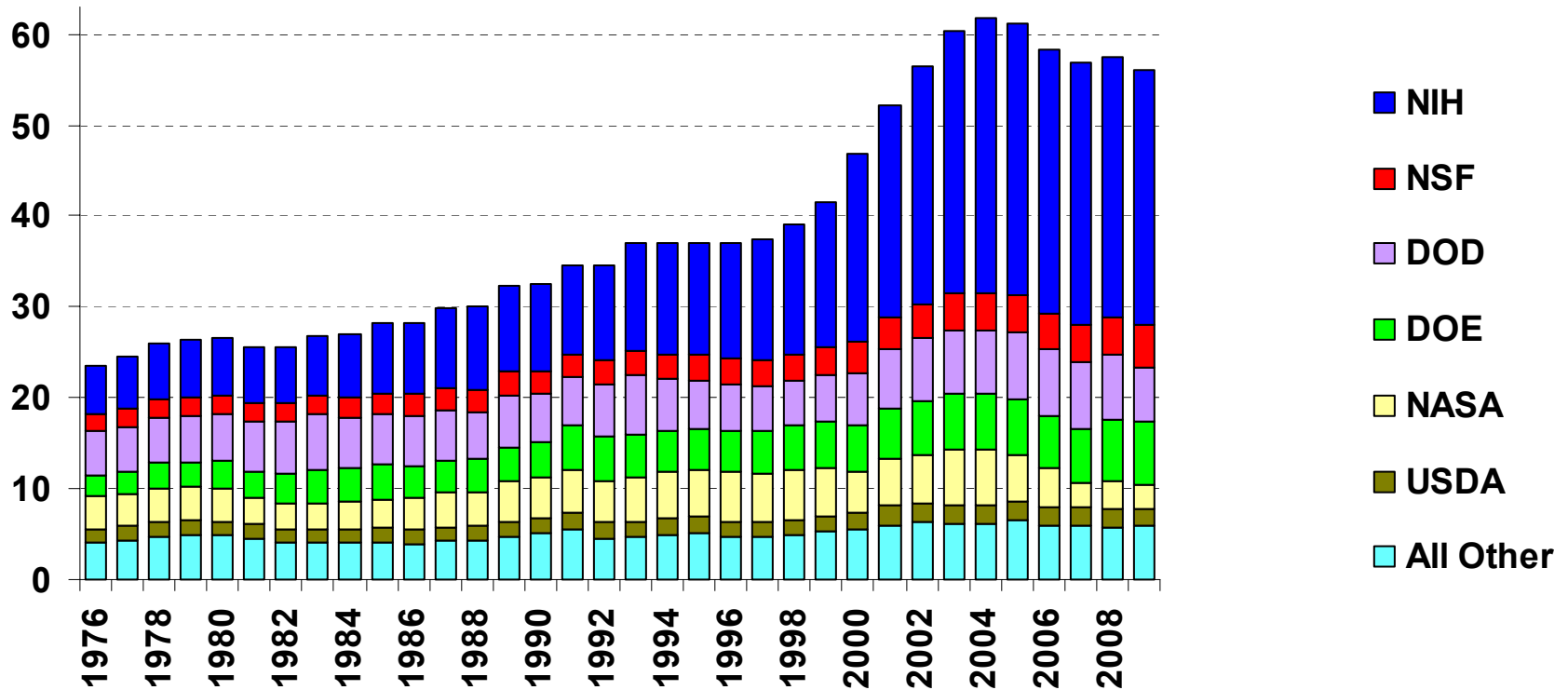
R&D includes conduct of R&D and R&D facilities.

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Trends in Research by Agency, FY 1976-2009 *

in billions of constant FY 2008 dollars



Source: AAAS analyses of R&D in annual AAAS R&D reports.

* FY 2009 figures are latest AAAS estimates of FY 2009 request. Research includes basic research and applied research. 1976-1994 figures are NSF data on obligations in the Federal Funds survey.

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WHAT'S NEXT?

- Congress considers a \$102+ billion 2008 supplemental soon.
- By April, Congress should pass a FY 2009 budget resolution with spending targets. Will there be more money for domestic appropriations? Will this additional money hold up in final 2009 appropriations? (NO in FY 2008.)
- If Congress doesn't have more money, Congress will trim ACI and other R&D increases to restore funding to health, training, education, law enforcement, and grants programs the President would eliminate or cut.
- The Appropriations Committees will try to write and pass 12 2009 appropriations bills, but Congress may delay some or all of them until the next President takes office.

FOR MORE INFORMATION...

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

The AAAS Forum on
Science and Technology
Policy is 8-9 May 2008
in Washington, DC

AAAS REPORT XXXII

Research & Development FY 2008

Intersociety Working Group

