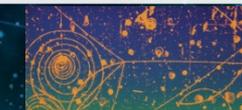
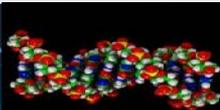




Mathematical and Physical Sciences Advisory Committee (MPSAC)

F. Fleming Crim
Assistant Director
April 4-5, 2013



Meeting Highlights

State of the
Directorate

Committee of
Visitors (COV)
Reports

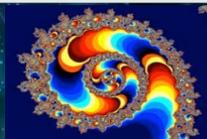
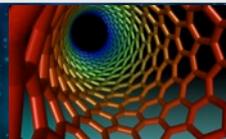


Reports from other
Advisory
Committees

Meeting with
Acting NSF Director

MPSAC
Subcommittee
Updates

NSF Policies and
Procedures



Meeting Highlights

State of the
Directorate

Committee of
Visitors (COV)
Reports

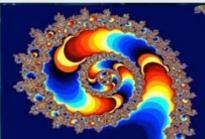
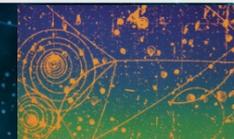
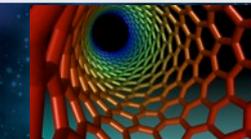


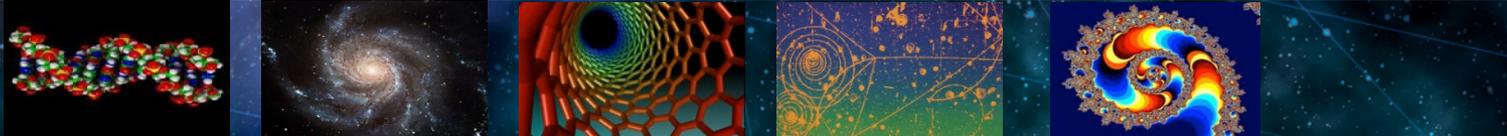
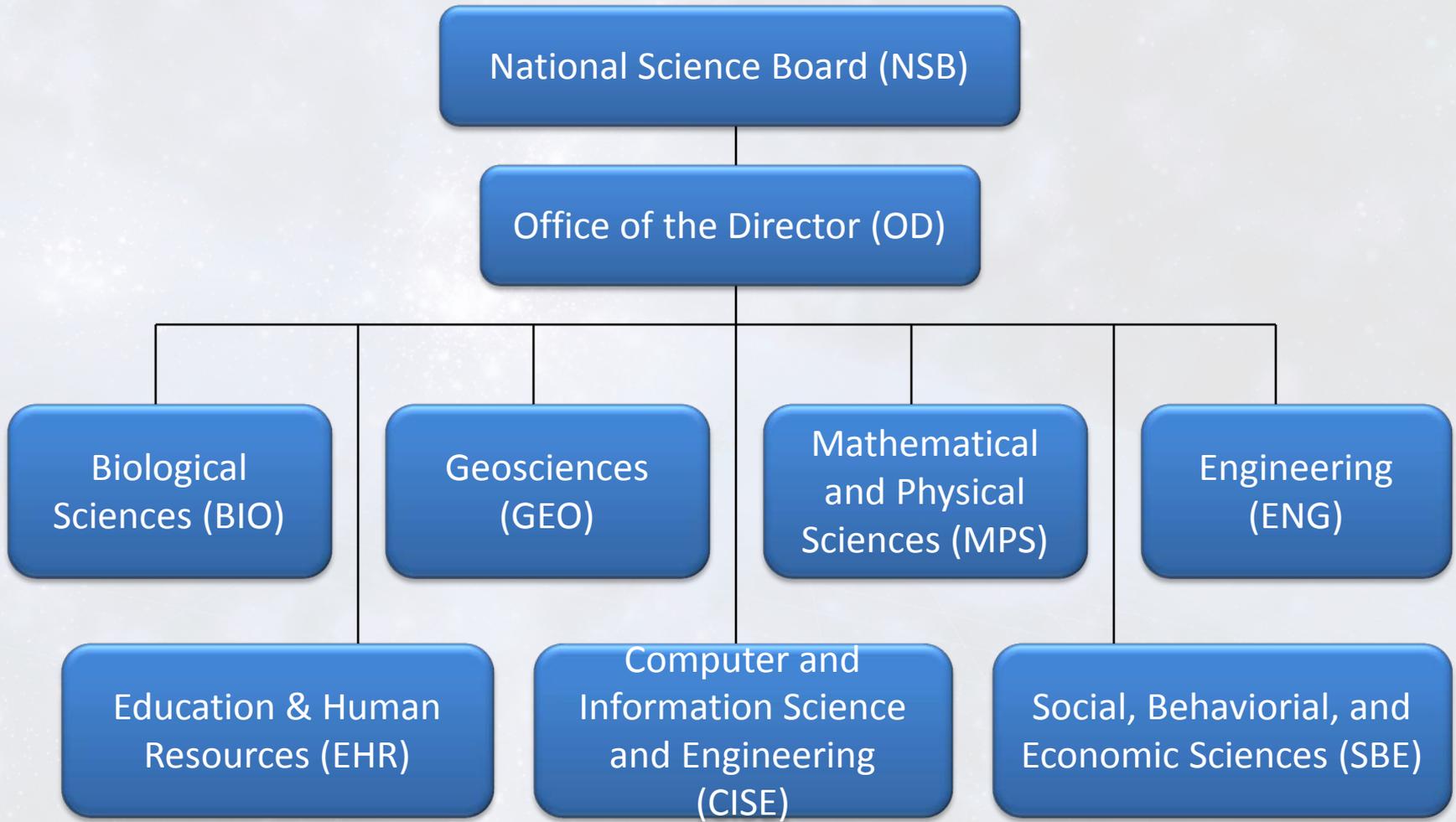
Reports from other
Advisory
Committees

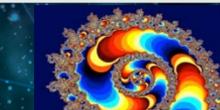
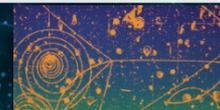
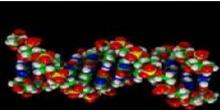
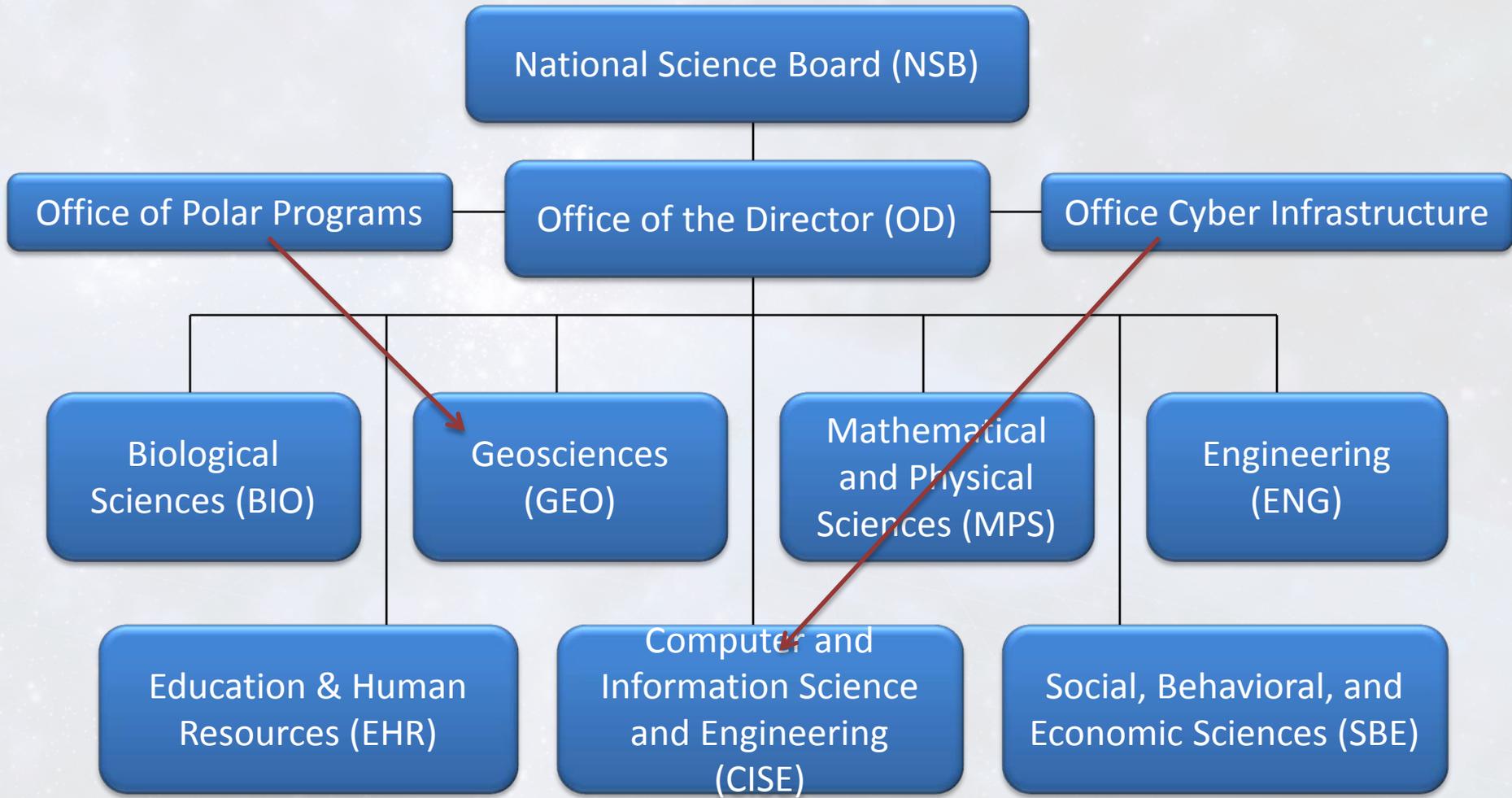
Meeting with
Acting NSF Director

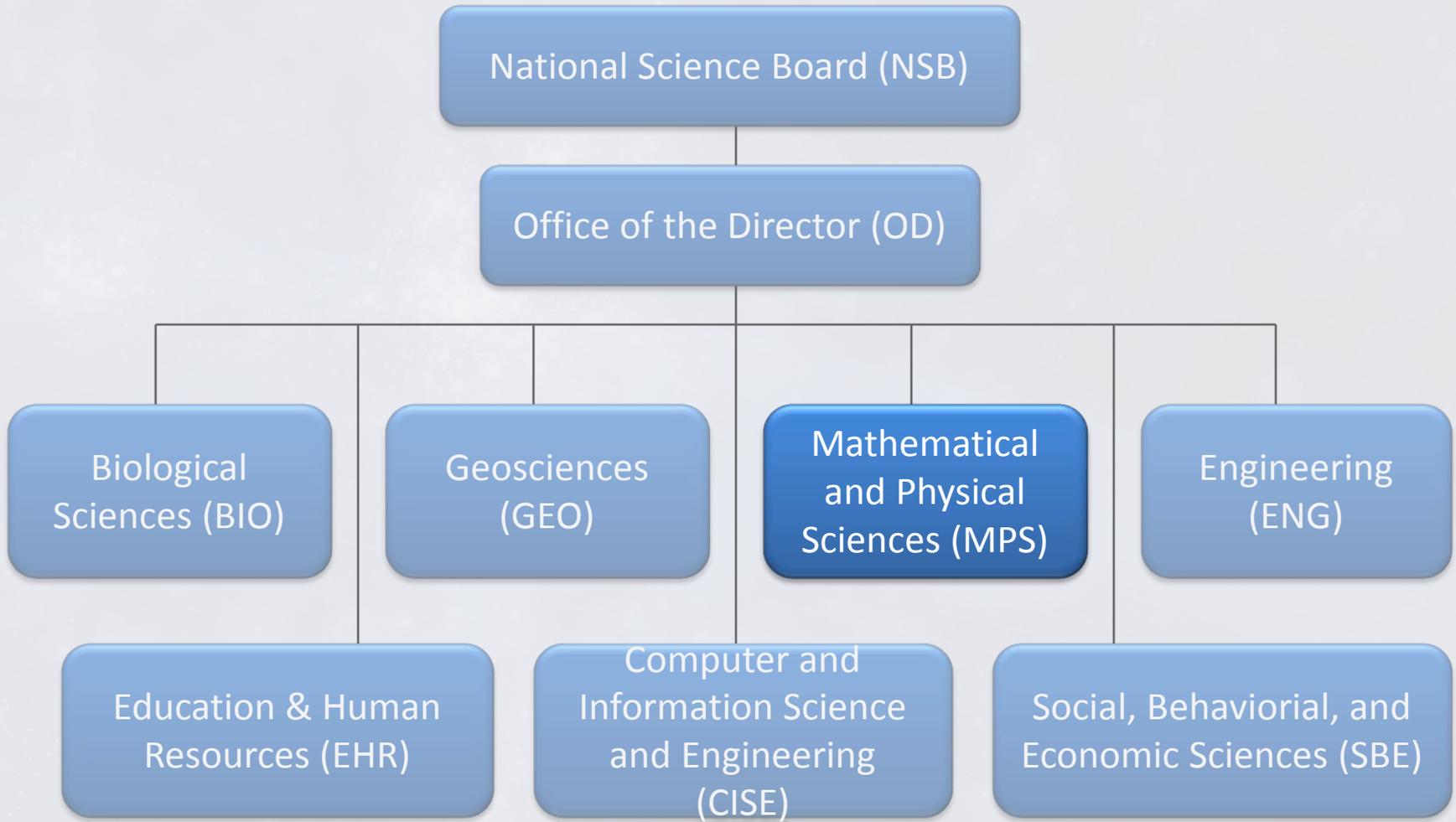
MPSAC
Subcommittee
Updates

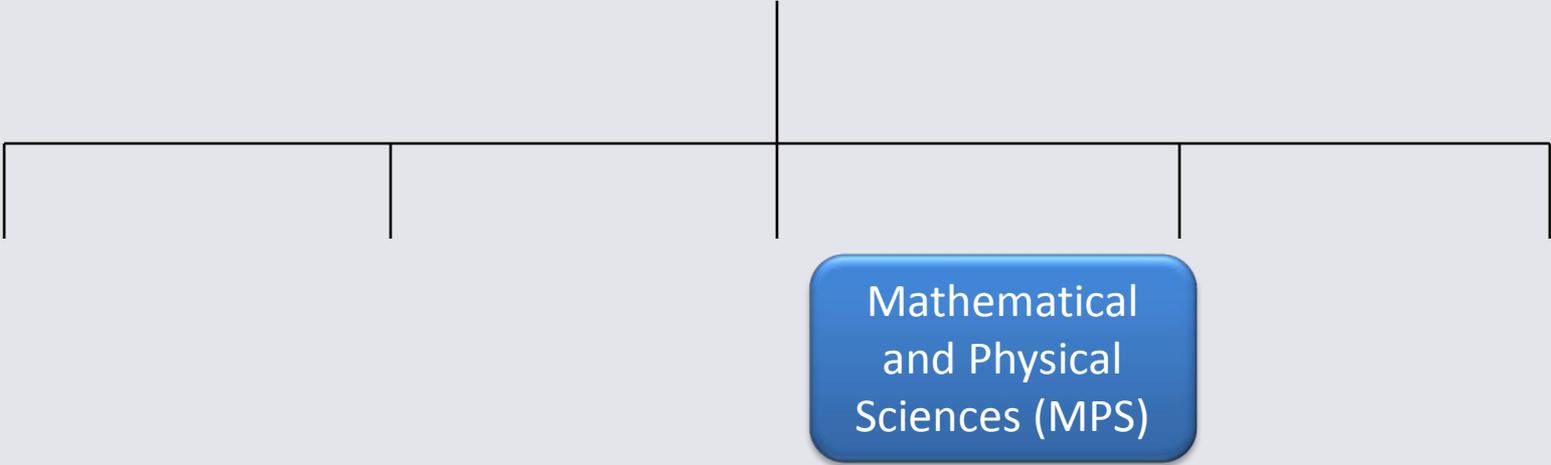
NSF Policies and
Procedures



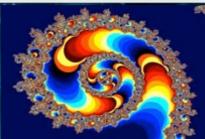
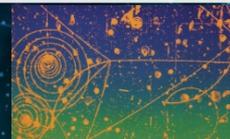
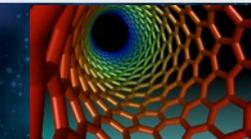


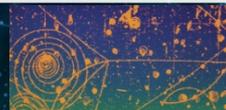
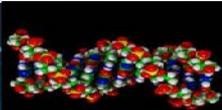
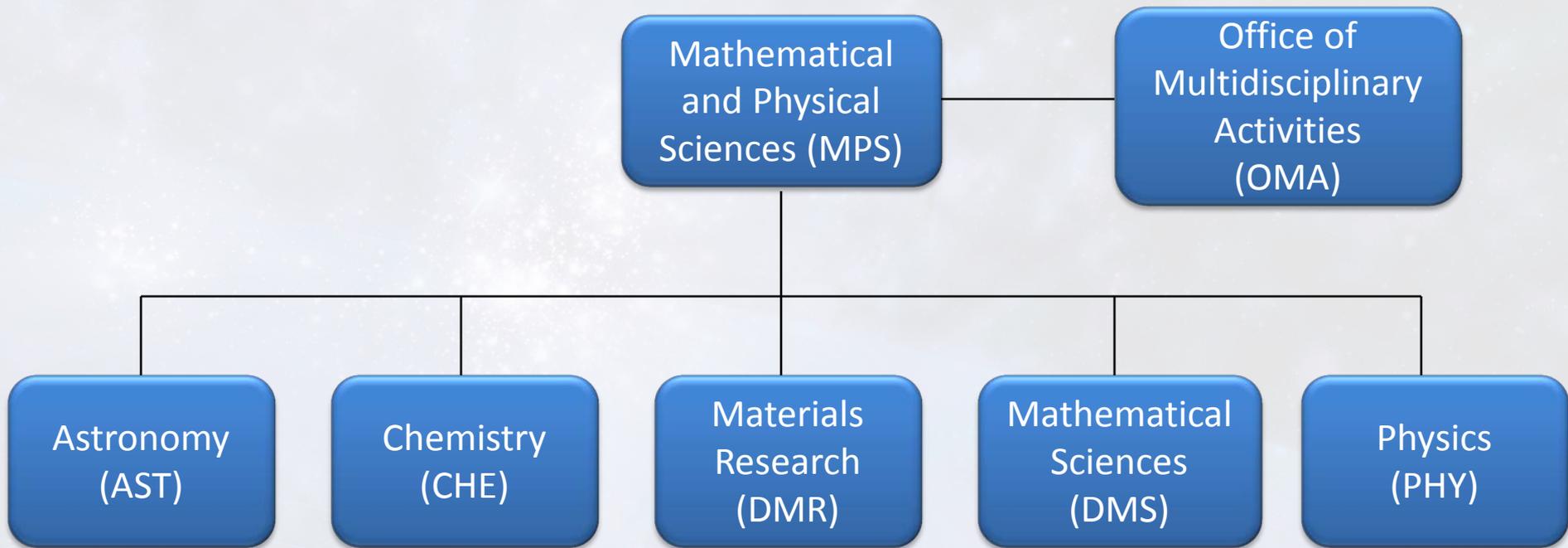






Mathematical
and Physical
Sciences (MPS)





Program Officer:
Tom Russell



Assistant Director:
Fleming Crim



Facilities Advisor:
Liz Pentecost



Mathematical
and Physical
Sciences (MPS)

Office of
Multidisciplinary
Activities
(OMA)

Astronomy
(AST)

Chemistry
(CHE)

Materials
Research
(DMR)

Mathematical
Sciences
(DMS)

Physics
(PHY)

Deputy Director:
Pat Knezek



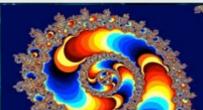
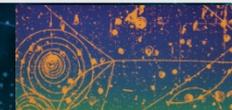
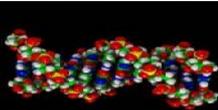
Director:
Jacquie Gervay-Hague
(July)

Director:
Mary Galvin



Director:
Interviews
beginning

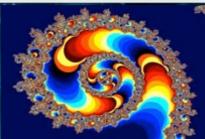
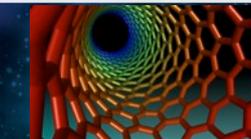
Director:
Announcement
soon



Budget

Procedures

Science

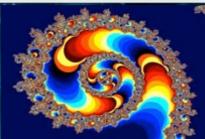
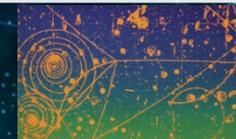
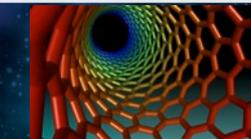


NSF Supports Basic Research

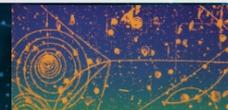
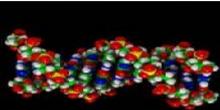
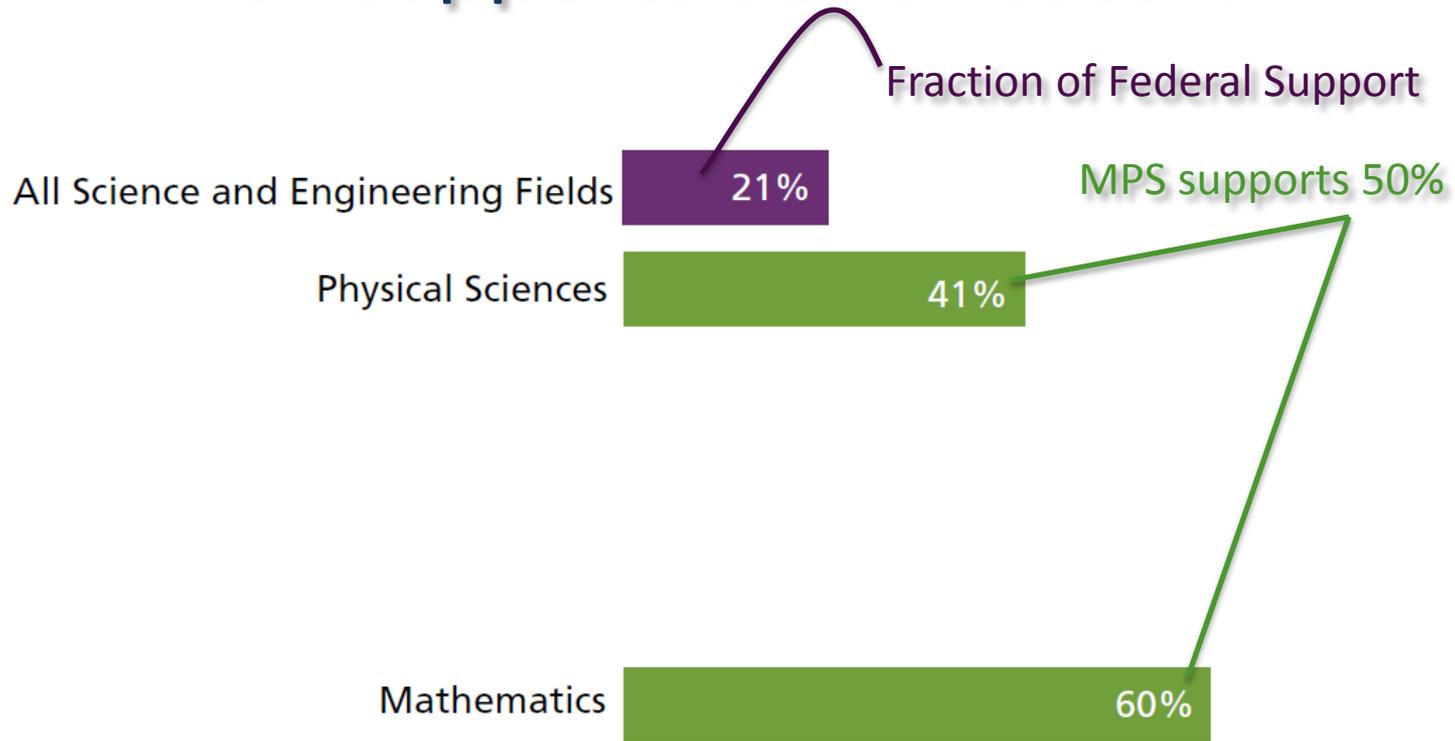
Fraction of Federal Support

All Science and Engineering Fields

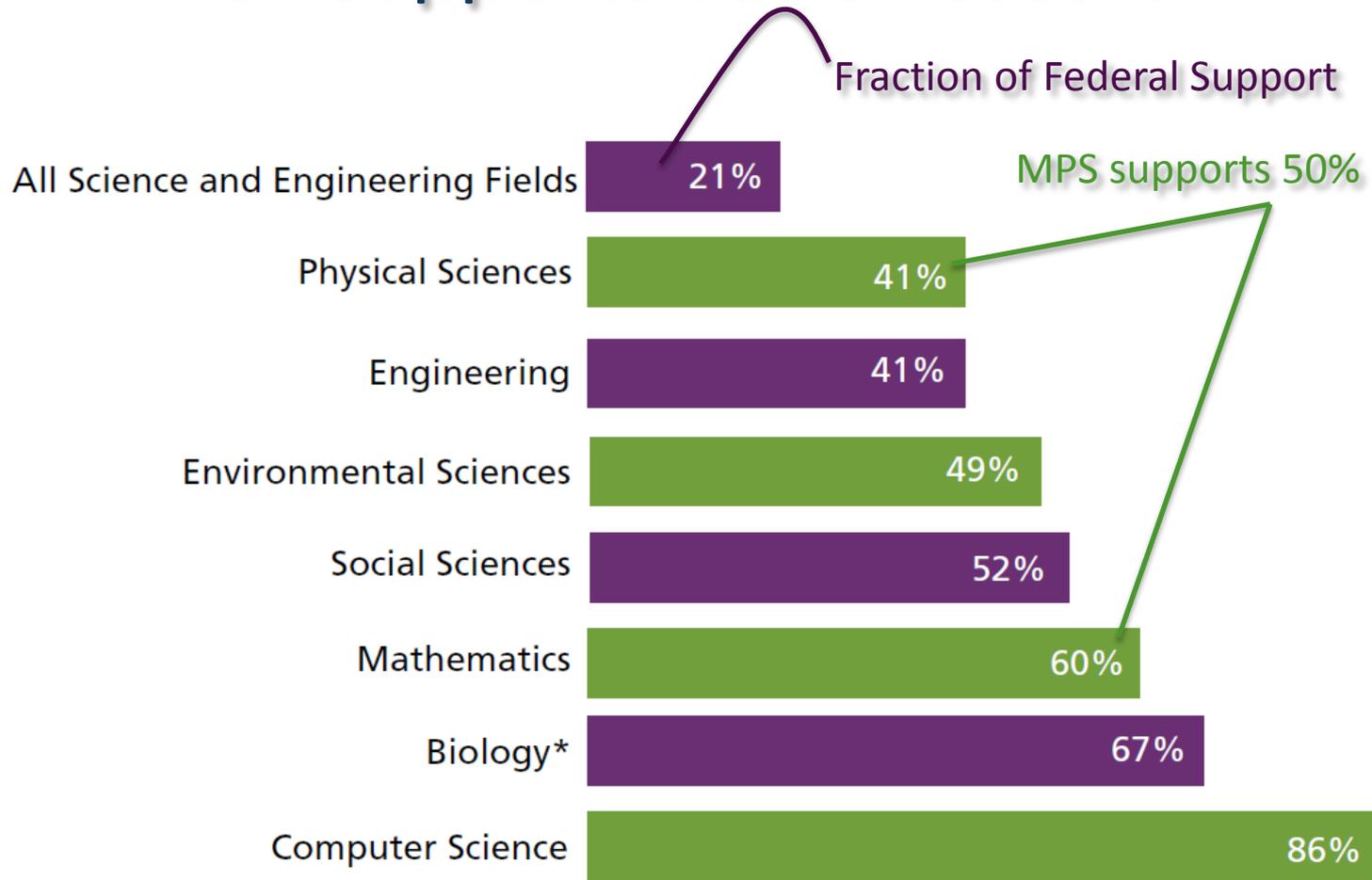
21%



NSF Supports Basic Research

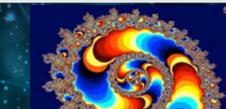
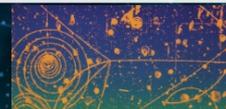
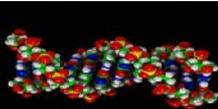


NSF Supports Basic Research



*Excludes the National Institutes of Health.

Source: NSF Survey of Federal Funds for Research and Development.



MPS Budget
FY 2012

\$1309 M

Mathematical
and Physical
Sciences (MPS)

Office of
Multidisciplinary
Activities
(OMA)

\$30 M

Astronomy
(AST)

\$235 M

Chemistry
(CHE)

\$234 M

Materials
Research
(DMR)

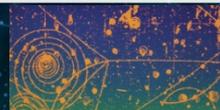
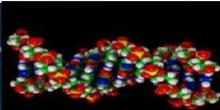
\$294 M

Mathematical
Sciences
(DMS)

\$238 M

Physics
(PHY)

\$277 M



Financial Challenges Budget and Resources

Three Budgets

FY 2013: Passed into law

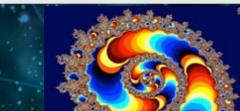
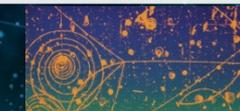
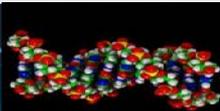
Roughly 3% below FY2012
(NY Times)

FY 2014: Roll out April 10

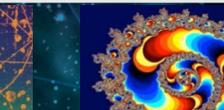
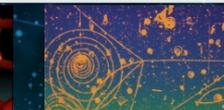
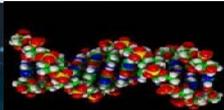
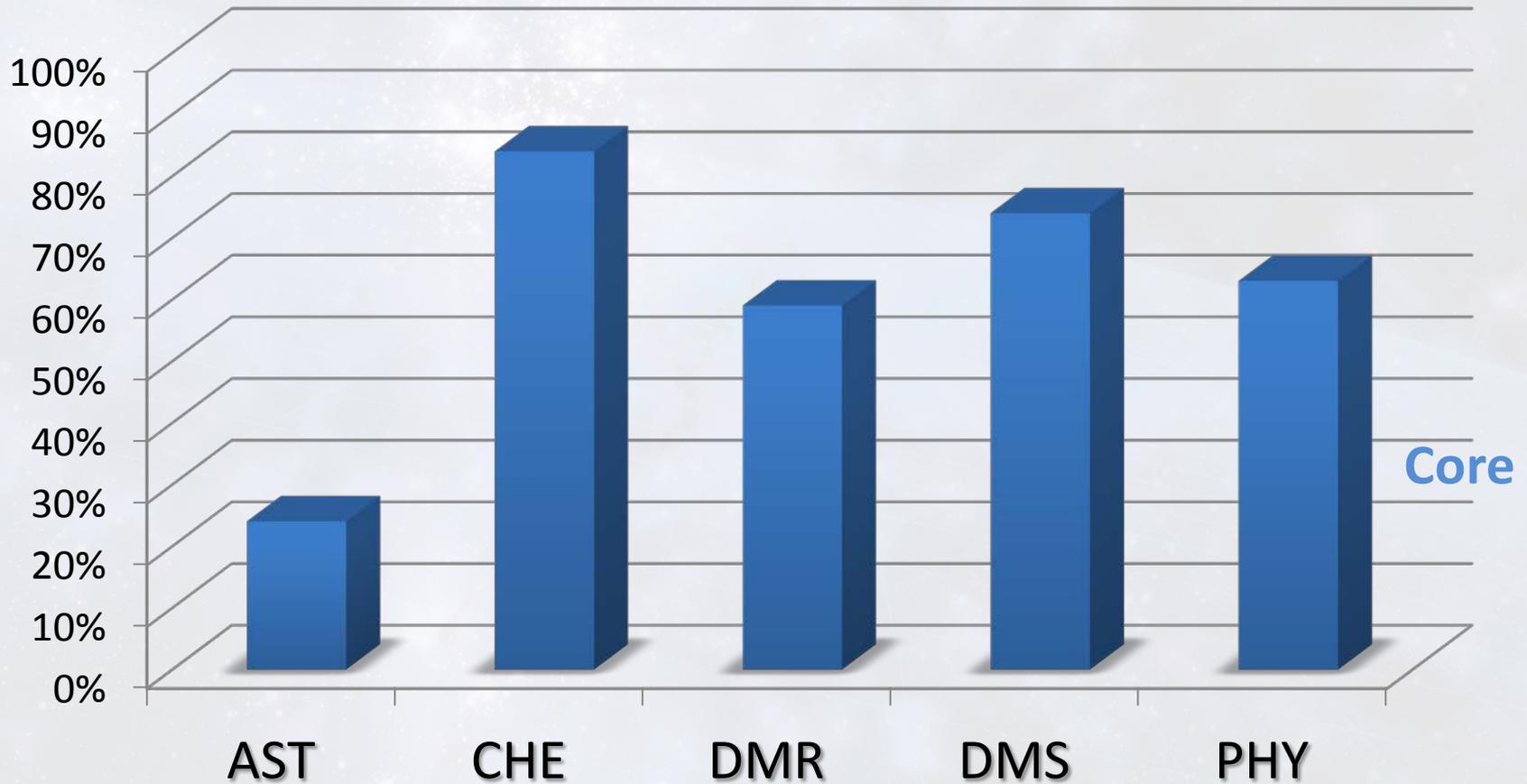
Stay tuned for President's
budget

FY 2015: Planning Stages

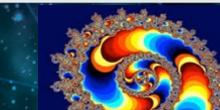
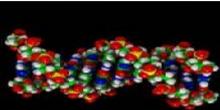
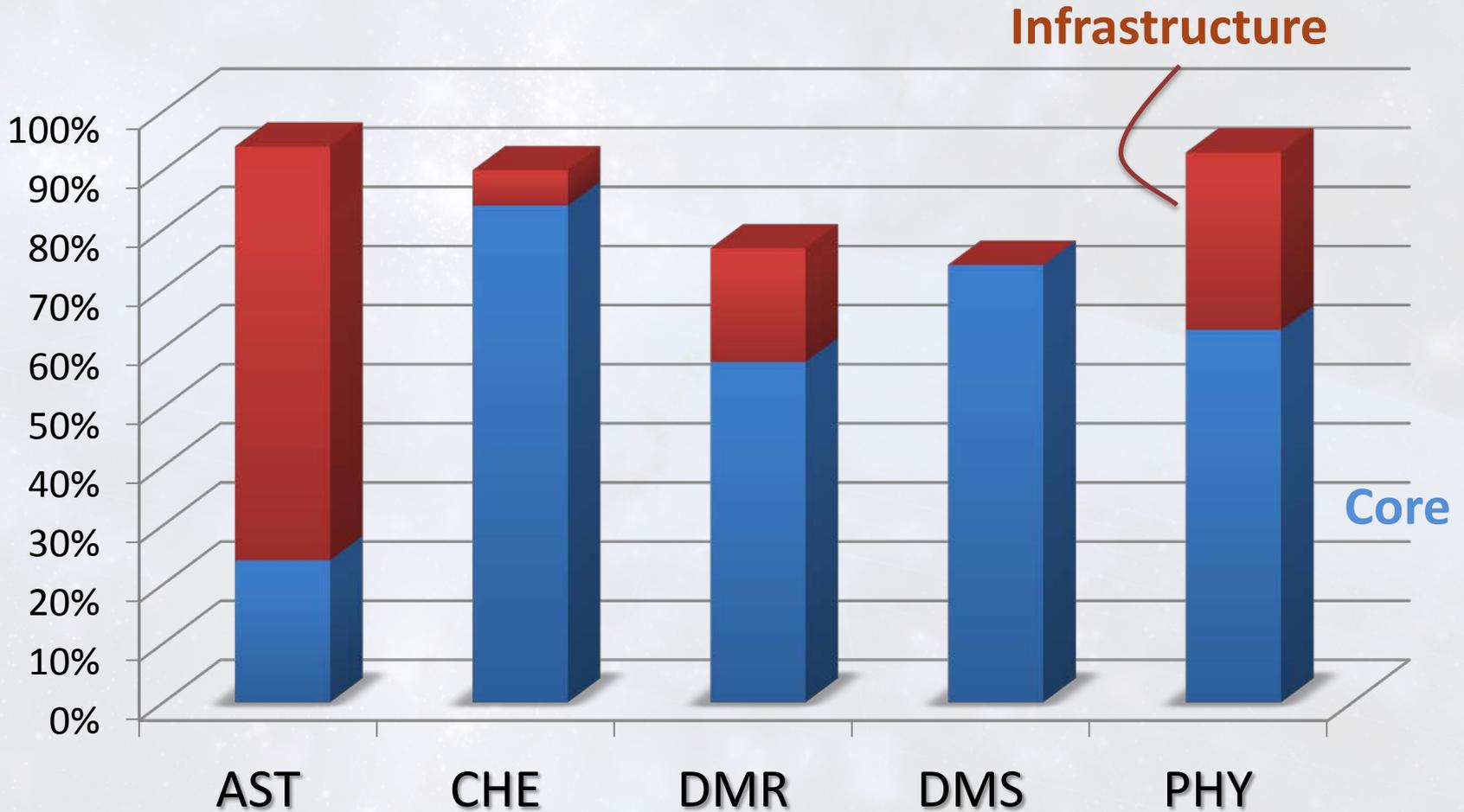
The important topic for the
Advisory Committee



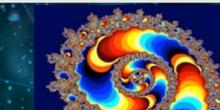
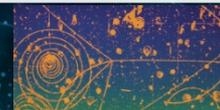
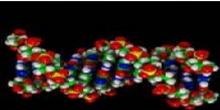
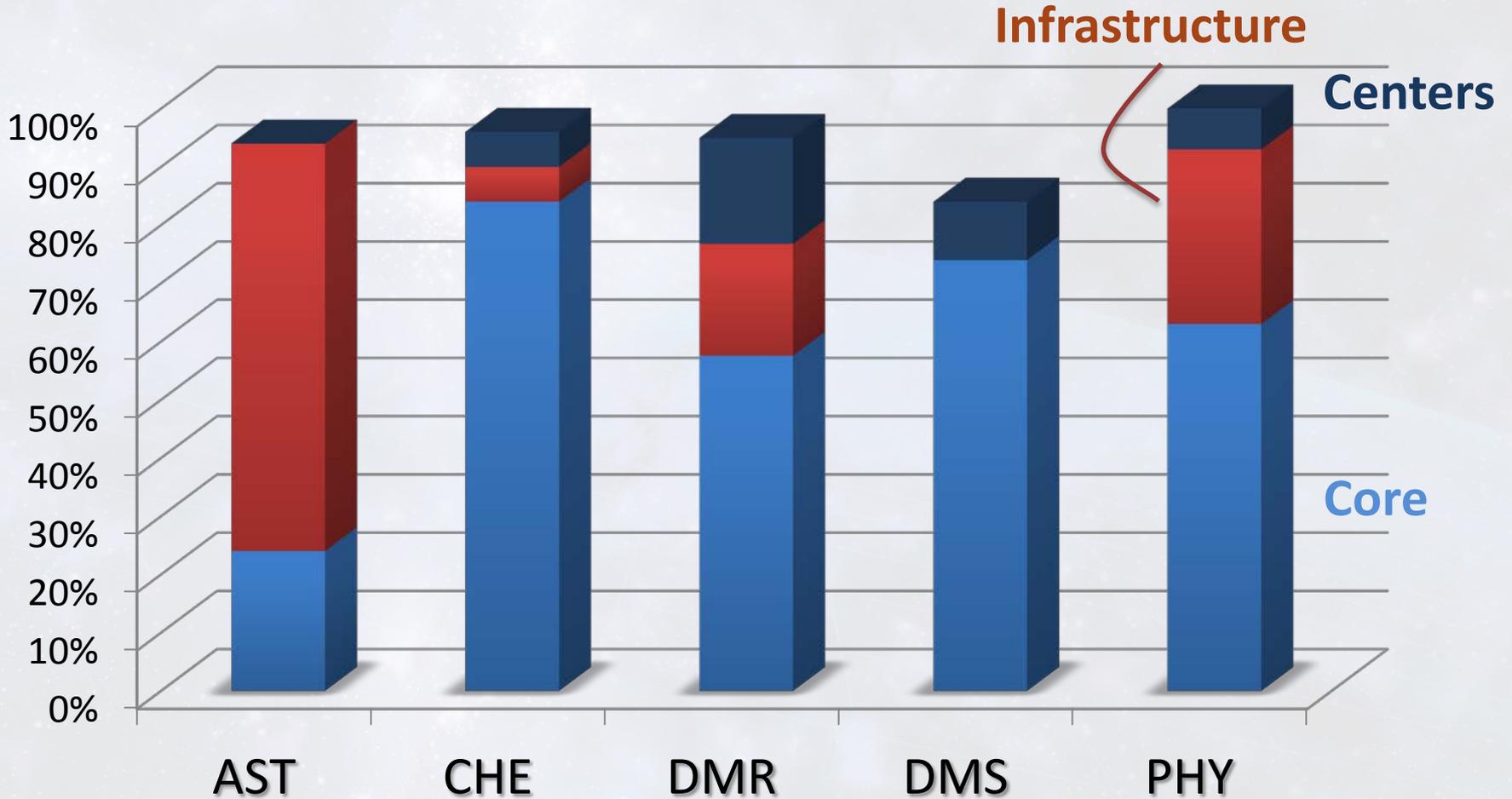
MPS Resource Allocation (FY 2012)



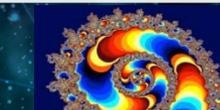
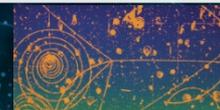
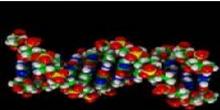
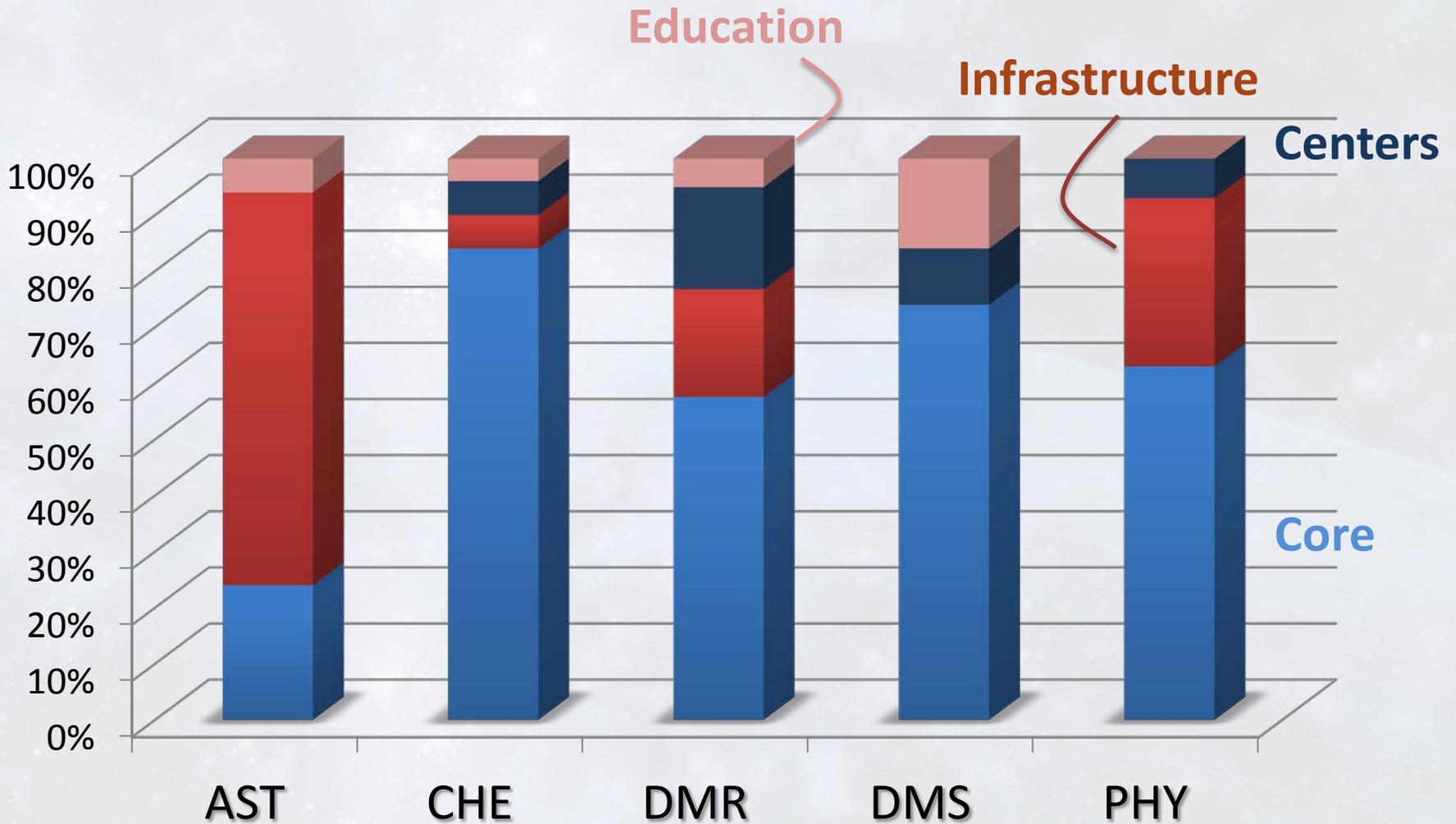
MPS Resource Allocation (FY 2012)



MPS Resource Allocation (FY 2012)

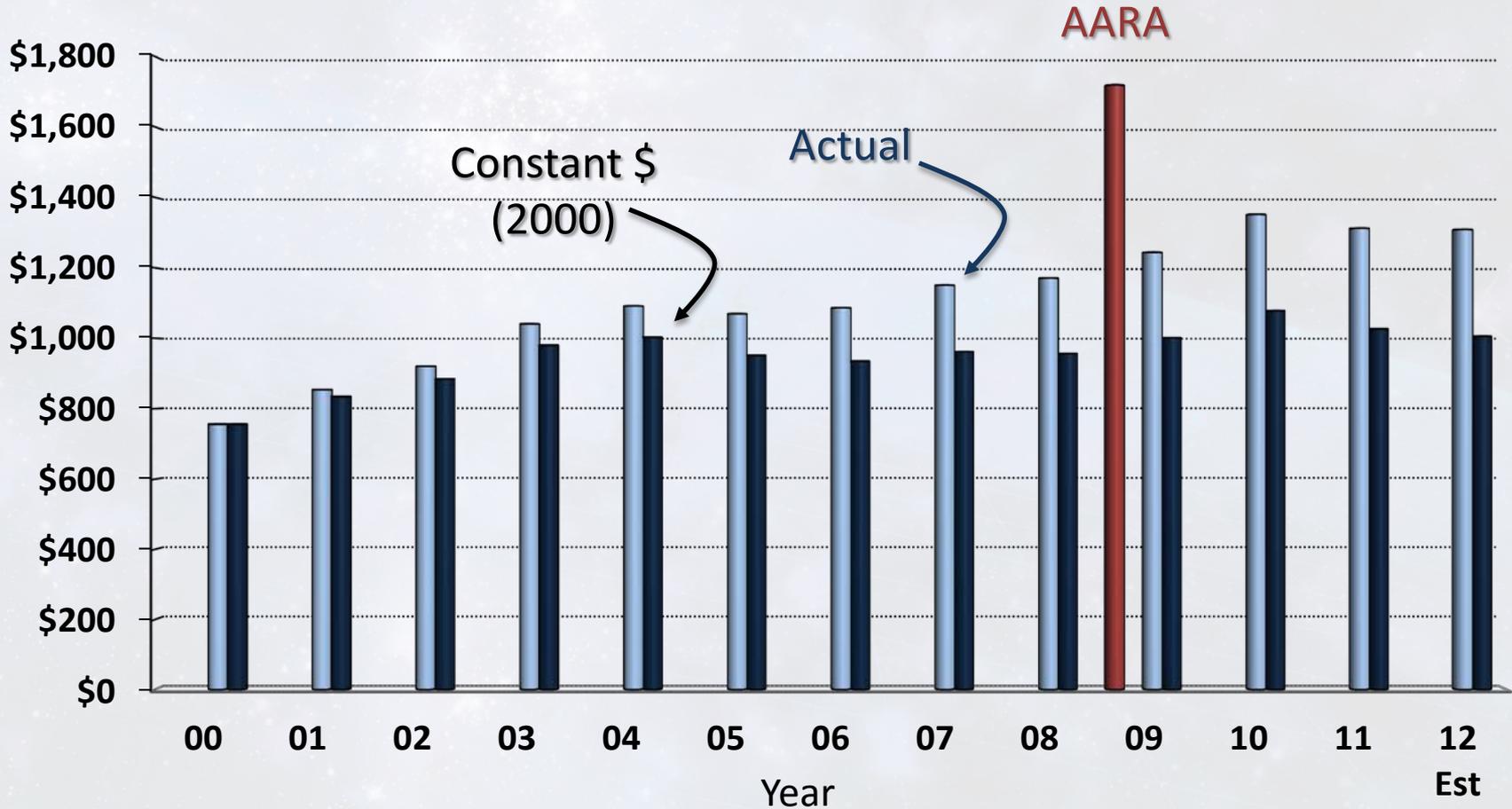


MPS Resource Allocation (FY 2012)

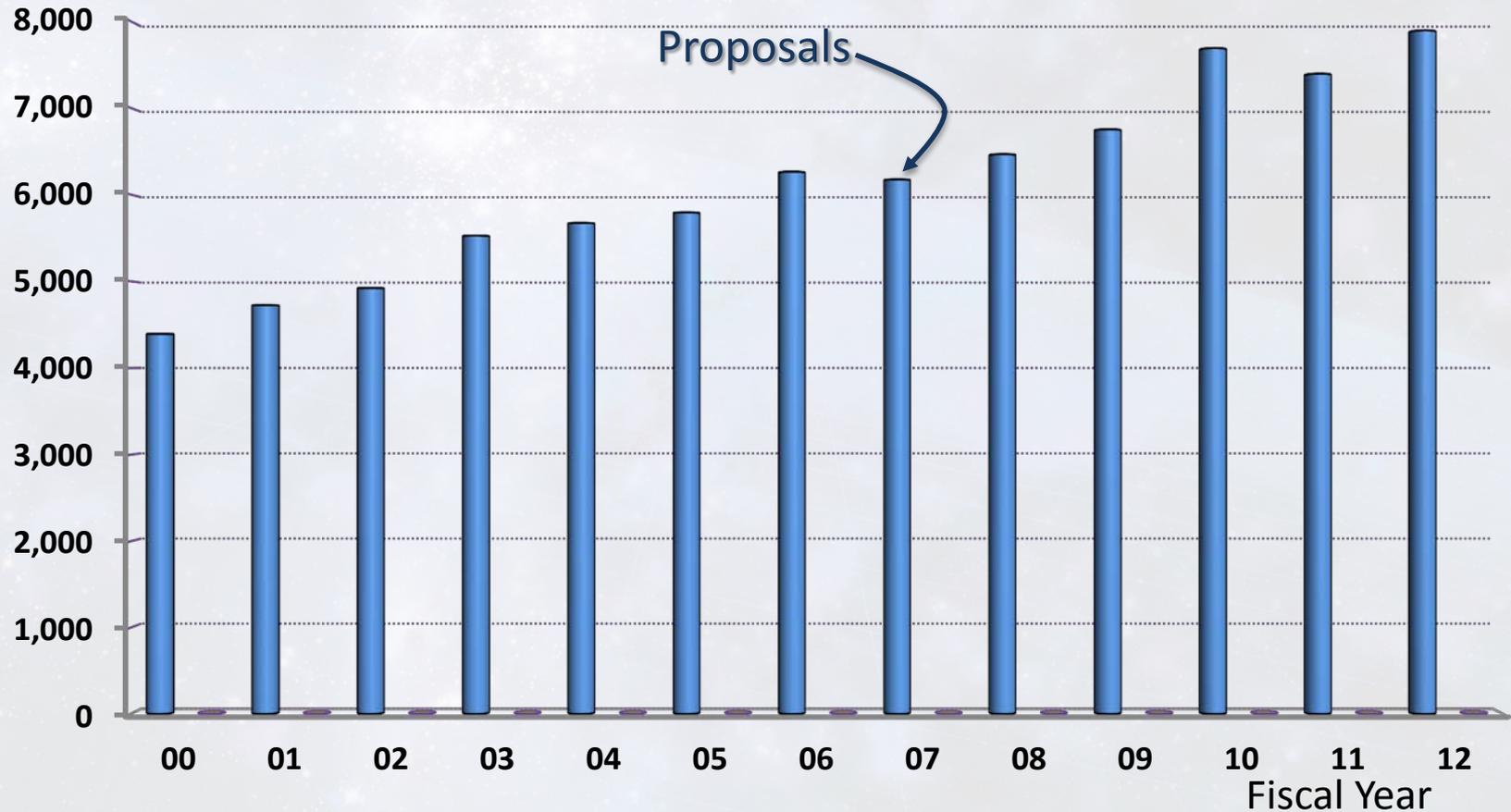


Funding remains flat for MPS...

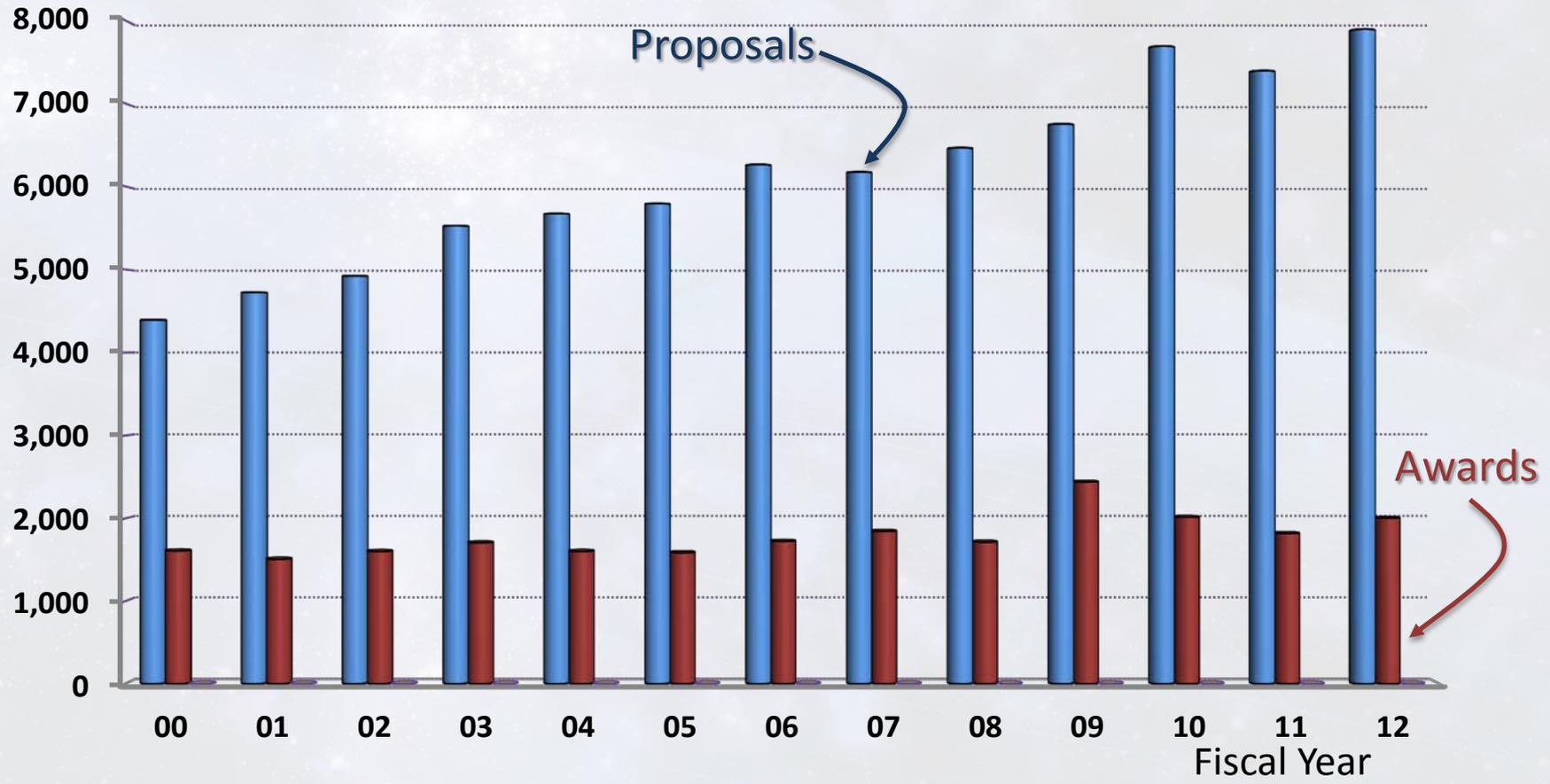
Dollars in Millions



...while the number of proposals rises



...while the number of proposals rises



Budget

Procedures

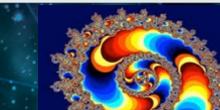
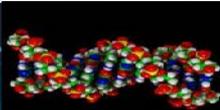
Science

COV reports

Staffing and travel

Efficiency efforts

Open Access



Committee of Visitors (COV) Reports

- **Charge**

Assess the effectiveness of Merit Review
(Optionally consider Division's portfolio)

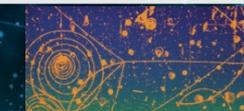
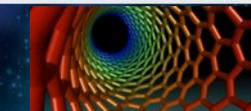
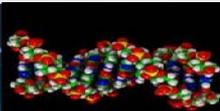
- **Process**

COV report to the AC

Active Discussion

AC submits reports to AD

Report and response posted publicly



Staffing and Travel

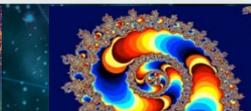
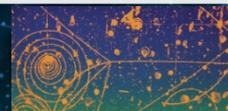
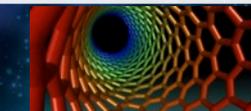
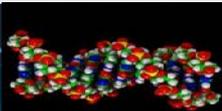
- OMB Travel Guidance and Restrictions

NSF is a “lean” agency

Outreach to community

Review and oversight

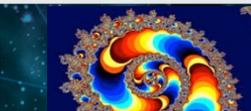
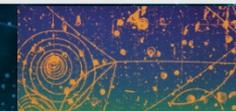
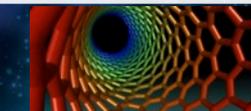
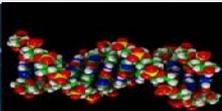
Research travel → recruitment of rotators



Efficiency Efforts

- Limit proposals per year
- Automated compliance review
- Letters of intent and preliminary proposals
- Asynchronous virtual review panels
- QVR (query, view, report) pilot
- Identify proliferation of staff duties

Program Management versus Proposal Management



Open Access

- **OSTP Memo**

“Increasing Access to the Results of Federally Funded Research”

- **Three NSF-wide working groups**

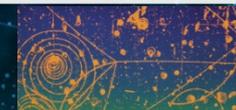
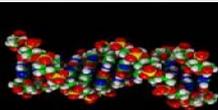
Publications

Data

Connectivity to NSF systems

- **Agency plans due September 2013**

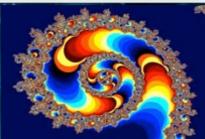
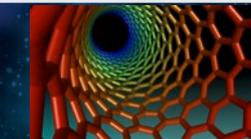
Community opinions



Budget

Procedures

Science



MPSAC Challenge

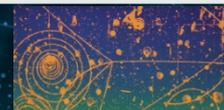
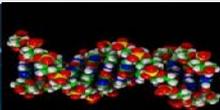
Help us support cutting-edge research

- Light Sources in Materials Research
- Optics and Photonics
- StatsNSF
- Food Systems
- BRAIN Initiative*

“Synchrotron Science”

Planning for FY 2015 and beyond

*Brain Research through Advancing Innovative Neurotechnologies



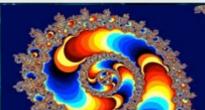
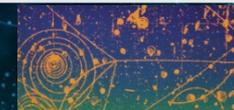
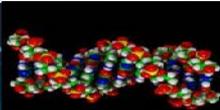
Special Thanks



Jim Berger



Celeste Rohlfing



Meeting Highlights

State of the
Directorate

Committee of
Visitors (COV)
Reports

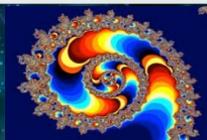
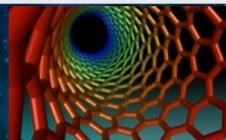


Reports from other
Advisory
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Meeting with
Acting NSF Director

MPSAC
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Updates

NSF Policies and
Procedures



Meeting Highlights

State of the Directorate

Discussion rather than solely Q and A

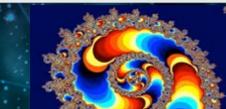
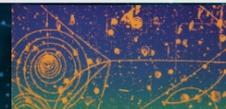
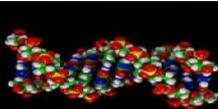
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Committee of Visitors (COV) Reports

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