



# **Unidata Policy Committee**

**October 9-10, 2003**



# Overview

- **Budget Status**
- **NAS Study**
- **ULAFOS - a juggling act**
  - **Why it hard to get our attention at times**



**Happy New Year !**

**FY 2003 Final Numbers**

**FY 2004 Budget Status**

# NSF funding FY 2003

- **40,000 proposals submitted**
  - 35,165 FY 2002
- **22,782 awards made**
  - up 1,413 from FY 2002
- **Average award size \$136,000**
  - meets NSF goal
- **Average award duration 2.95yr**
  - NSF goal is 3 years.
- **Competition in funding rates**
  - overall NSF average funding rate 28% ( declined from 32%)
  - competitive research grant funding rate is now 25%



# STATUS FY Budget for FY 2004

<b>NSF ACCT</b>	<b><u>C.P. FY03</u></b>	<b><u>REQ.. FY04</u></b>	<b><u>HSE FY04</u></b>	<b><u>HSE %. CHG</u></b>	<b><u>SEN FY04</u></b>	<b><u>SEN %. CHG</u></b>
R&RA	\$4,056	\$4,106	\$4,306	6.2%	\$4,221	4.0%
EHR	\$903	\$938	\$911	0.8%	\$976	8.0 %
MRE	\$149	\$202	\$192	30.0%	\$150	-4.9%
S&E	\$189	\$226	\$216	14.2%	\$226	19.3%
OIG	\$9	\$9	\$10	8.8%	\$10	8.8%
NSB	\$3.5	\$0	\$3.8	9.3%	\$3.9	12.2%
<b>TOTAL</b>	<b>\$5,310</b>	<b>\$5,481</b>	<b>\$5,639</b>	<b>6.2%</b>	<b>\$5,586</b>	<b>5.2%</b>



# NSF Budget Request by Directorate/Major Activity

	<b>FY 03 Plan</b>	<b>FY 04 Req.</b>	<b>House Mark</b>	<b>Senate Mark</b>
Biological Sciences	570.7	562.2	586.8	577.2
CISE	581.9	548.3	609.9	609.4
Engineering	540.5	536.6	560.1	550.0
<b>Geosciences</b>	<b>692.2</b>	<b>687.9</b>	<b>718.1</b>	<b>692.2</b>
Math & Physical Sciences	1041.0	1061.3	1107.8	1085.9
Social, Behavioral & Economic Sciences	167.52	181.7	191.0	176.7
OISE	26.8	30.0	30.0	30.0
Office of U.S. Polar Research	319.1	329.9	355.0	341.7
Integrative Activities	116.7	132.5	147.8	157.9
<b>Total, Research &amp; Related Activities</b>	<b>4,056.5</b>	<b>4,106.4</b>	<b>4,306.4</b>	<b>4,220.6</b>

Division of Atmospheric Sciences



# MREFC

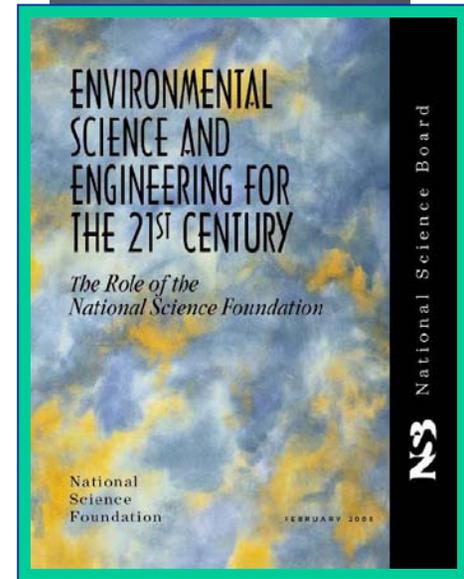
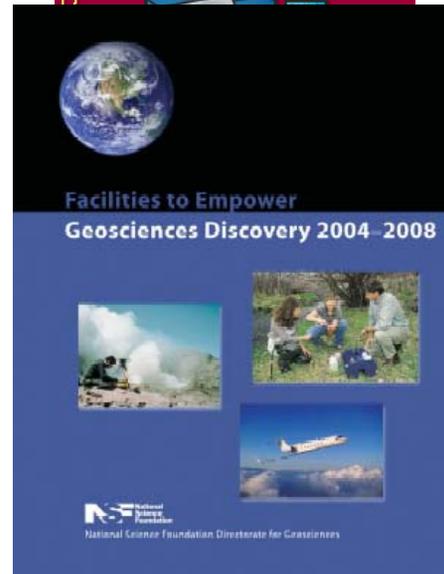
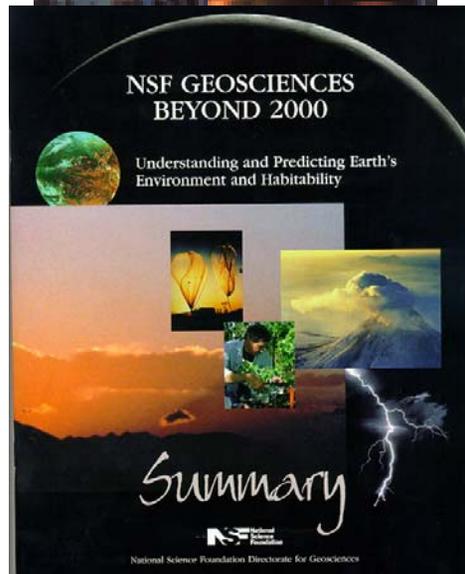
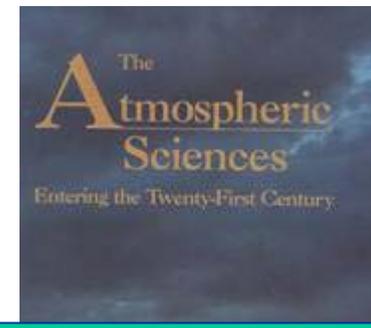
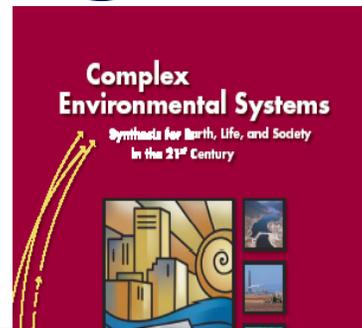
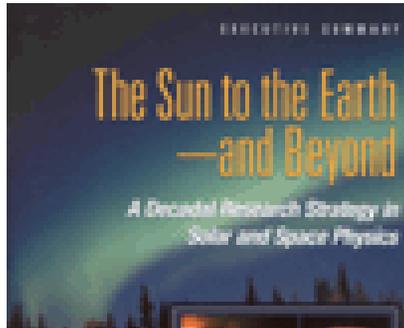
Project	FY 2004 Req.	House Mark	Senate Mark
<b>ALMA</b>	<b>\$50.8M</b>	<b>\$50.8 M</b>	<b>\$51.0 M</b>
<b>Earth Scope</b>	<b>\$45.0 M</b>	<b>\$43.5 M</b>	<b>\$43.73 M</b>
<b>IceCube</b>	<b>\$60.0</b>	<b>\$42.0 M</b>	<b>\$35.5 M</b>
<b>NEES</b>	<b>\$8.0M</b>	<b>\$8 M</b>	<b>\$8.1 M</b>
<b>NEON</b>	<b>\$12.0 M</b>	<b>\$12.0 M</b>	
<b>SPS Expan.</b>	<b>\$0.96 M</b>	<b>\$0.96 M</b>	<b>\$1.30 M</b>
<b>Terascale Comp</b>		<b>\$10.0 M</b>	<b>\$10.1 M</b>
<b>SOD – (Vessel)</b>		<b>\$25.0 M</b>	



**Future Directions of NSF's  
Support of the  
Atmospheric Sciences  
Research Community  
National Academy Sciences  
Study**



# Future Opportunities and Challenges for ATM





# **How ATM can best accomplish its mission of stewardship of the atmospheric sciences into the future?**

**Possible questions to be explored**

- 1) What are the most effective mechanisms and approaches for the NSF Division of Atmospheric Sciences to use to:**
  - a) Ensure US Atm. Sci. remains at the cutting edge of research & fully serves the needs of the nation.**
  - b) Address challenging scientific problems that require long term focus & spatial integration of scales**
  - c) Foster interdisciplinary and multidisciplinary research**
  - d) Build, operate and maintain broadly accessible, shared observational facilities, computational infrastructure and databases**
  - e) Ensure quality data stewardship and curation**
  - f) Facilitate the definition, construction and use of community models**
  - g) Integrate research and education efforts**
  - h) Give increased attention to educating and developing diverse human capital for the nation's atmospheric science needs**
  - i) Ensure that our best scientific understanding is focused on recognized and emerging problems of interest to society**



# **How ATM can best accomplish its mission of stewardship of the atmospheric sciences into the future?**

- 2) What is the most effective balance among the types of research and activities for atmospheric science to achieve its goals in science, education and service to society?**
- 3) What is an effective balance between centralized and distributed community infrastructure support?**
- 4) How can NSF ensure and encourage the broadest participation and involvement of atmospheric researchers at a variety of institutions, so there is balance among stakeholders in large and small universities and colleges and so that both research and education needs are met?**

Continued



# **ULAFOS OVERSIGHT RESPONSIBILITIES & FUNDING RESPONSIBILITIES**

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**Presented to the NSF  
Committee of Visitors**

**A Review of  
UCAR and Lower Atmospheric Facilities Oversight  
Section**

**August 18-19, 2003**

# ULAFOS OVERSIGHT RESPONSIBILITIES

