

Unidata Policy Committee

February 5-6, 2004

The NSF logo is a circular emblem with a stylized sunburst or gear-like pattern in the background. The letters "NSF" are prominently displayed in the center of the circle in a white, serif font. The logo is semi-transparent and positioned in the lower right quadrant of the slide.

NSF

Budgets

- NSF Budget for FY 04 (appropriation)
 - \$5,578 an increase of 5.0% over FY 03
 - \$267.9 million increase for FY 2004
 - Research and Related up \$220.1 million or 4.8%
 - MREFC up 4.3%
 - EHR up 4.0%
- NSF Budget for FY 05 (request)
 - \$5,745 an increase of 3.0% over FY 04
 - \$167 million increase for FY 05



FY Budget for FY 2004 by Account

NSF ACCT	<u>C.P.</u> <u>FY03</u>	<u>C.P.</u> <u>FY04</u>	<u>% Chg</u> <u>03 to 04</u>	<u>Req.</u> <u>FY 05</u>	<u>\$ Chg</u>	<u>% Chg</u> <u>04 to 05</u>
R&RA	\$4,056	\$4,277	4.8%	\$4,452	\$201	4.7%
EHR	\$903	\$945	4.0%	\$771	-\$168	-17.9%
MRE	\$149	\$156	4.3%	\$213	\$58	37.6%
S&E	\$189	\$220	16.4%	\$294	\$75	34.4%
OIG	\$9	\$10	11.1%	\$10	\$0.17	1.7%
NSB	\$3.5	\$3.9	11.4%	\$4	\$0.07	1.8%
TOTAL	\$5,310	\$5,578	5.0%	\$5,745	\$167	3.0%

NSF Budget Request by Directorate/Major Activity

	FY 03 Plan Amount	FY 04 Plan Amount	FY 05 Request Amount	CHANGE FY 05 Req/FY 04 Amount %	
Biological Sciences	570.7	592.0	599.9	13.0	2.2%
CISE	581.9	609.6	618.1	13.0	2.2%
Engineering	540.5	561.0	575.9	10.8	1.9%
Geosciences	692.2	719.0*	728.5	15.4	2.2%
Math & Physical Sciences	1041.0	1100.0	1115.5	24.0	2.2%
Social, Behavioral & Economic Sciences	167.52	205.0	224.7	20.9	10.3%
OISE	26.8	30.0	34.0	5.9	21.1%
Office of U.S. Polar Research	319.1	345.0	349.7	7.7	22.0%
Integrative Activities	116.7	145.0	240.0	95.9	66.5%
Total, Research & Related Activities	4,056.5	4,276.0	4,306.4	206.9	4.9%

* All increased funding will be applied towards increased funding targets in priority areas



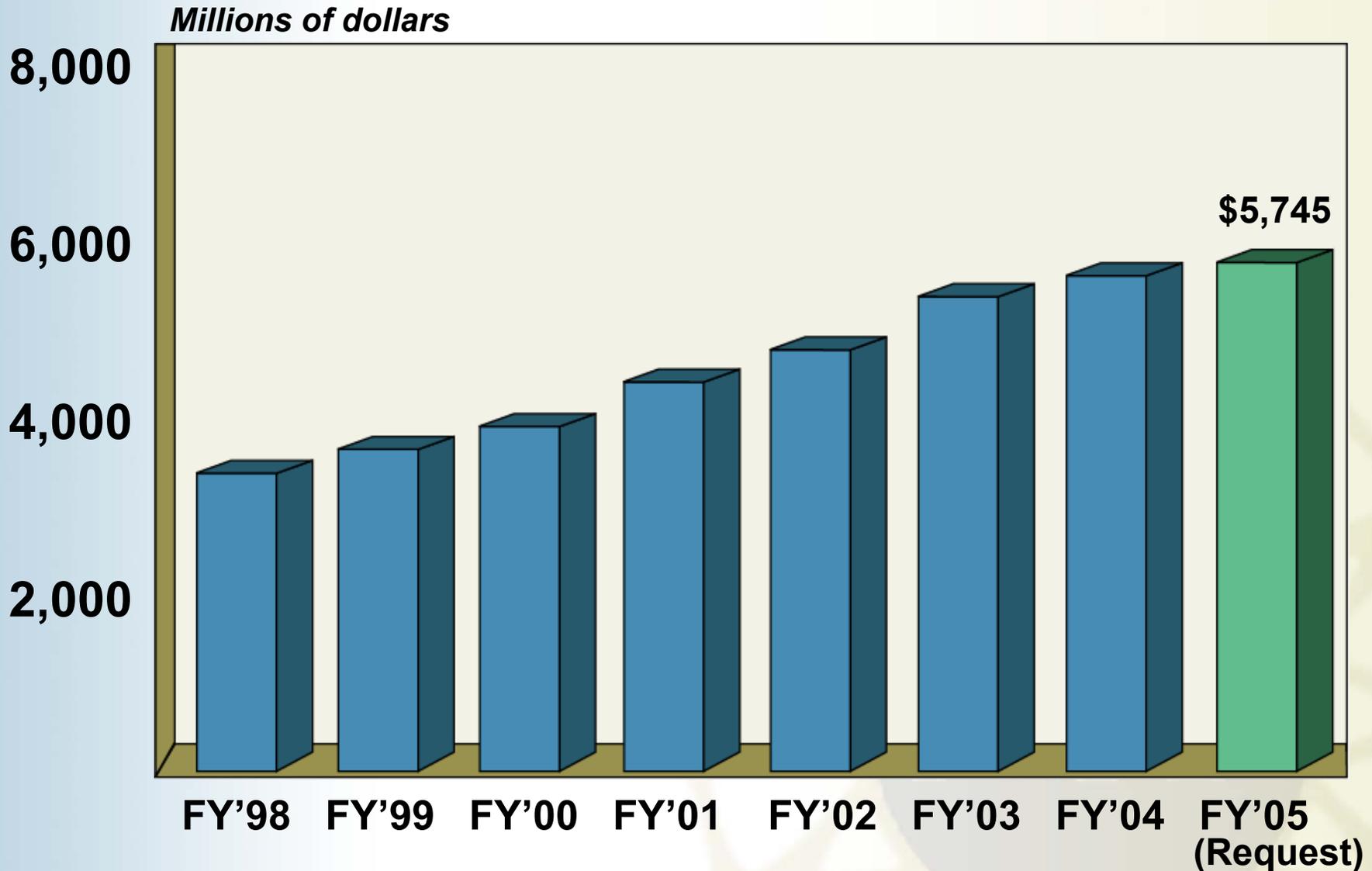
National Science Foundation

Fiscal Year 2005 Budget Request



Appropriations for the National Science Foundation FY 1998 - 2004

Total Growth FY 98 – FY 04: \$2.15 billion (68%)



FY 2005 Budget Priorities

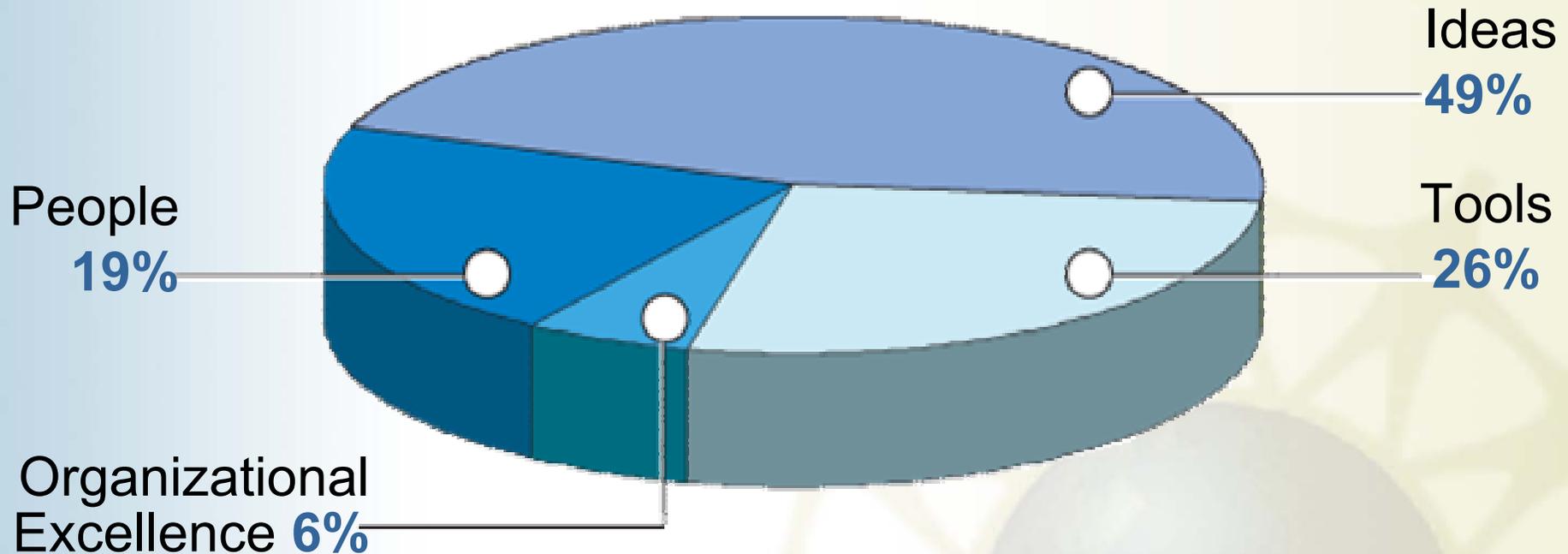
- **Strengthen** NSF Management to maximize effectiveness and performance.
- **Improve** the productivity of researchers and expand opportunities for students.
- **Strengthen** the nation's performance with world class instruments and facilities.

The background of the slide features a large, faint watermark of the NSF logo, which consists of a stylized gear or sunburst pattern with the letters "NSF" in the center.

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NSF FY 2005 Budget Request

\$5.745 billion



NSF FY 2005 Budget Request

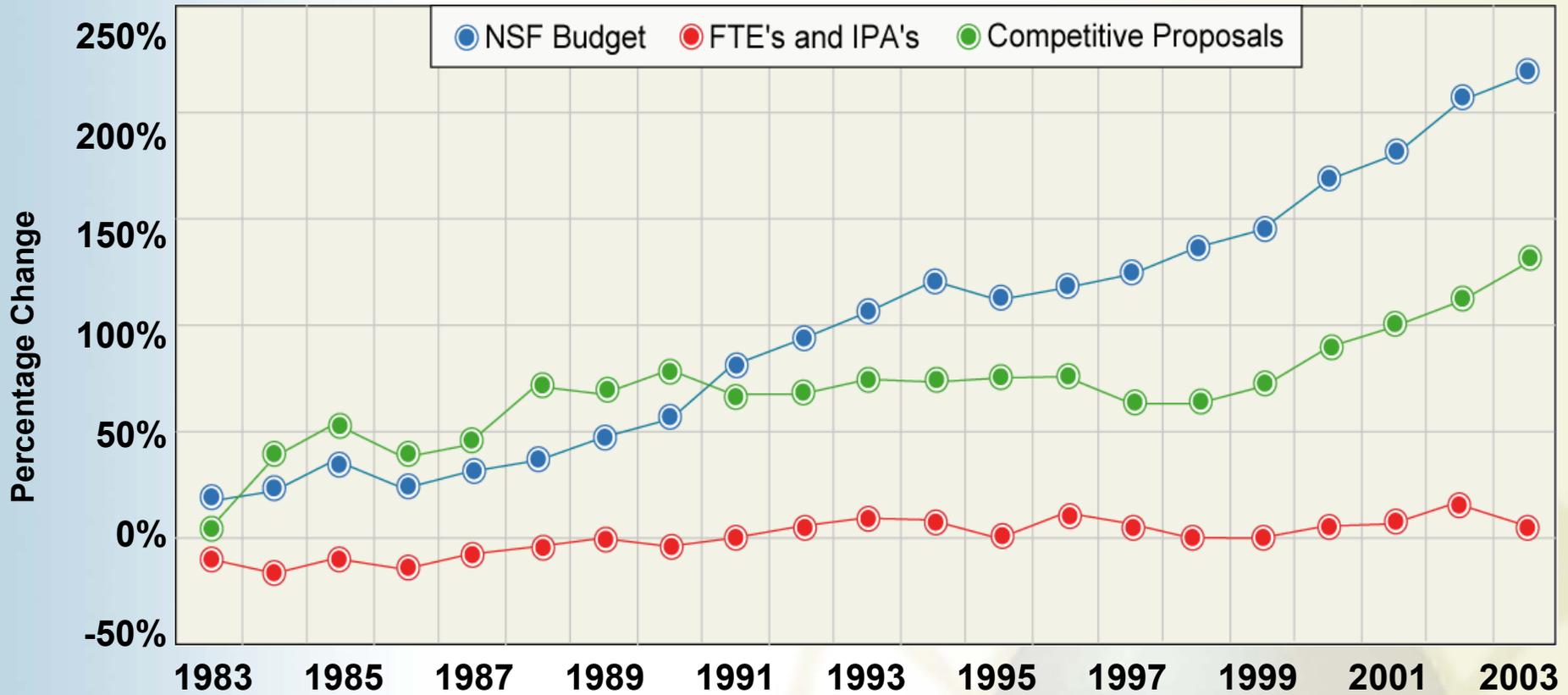
By Strategic Goal

Millions of dollars

	FY 2004 Estimate	FY 2005 Request	Percent Change
People	\$1,134	\$1,065	-6.1%
Ideas	\$2,789	\$2,845	2.0%
Tools	\$1,368	\$1,472	7.6%
Organizational Excellence	\$ 287	\$ 363	26.4%
Total, NSF	\$5,578	\$5,745	3.0%

Totals may not add due to rounding.

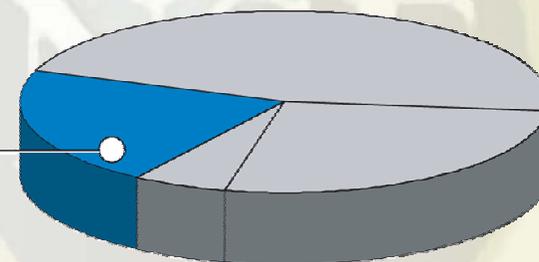
Comparison of NSF Budget, Staff and Competitive Proposal Submission



	Total	Increase
Graduate Fellowships	\$241 Million	\$27 Million

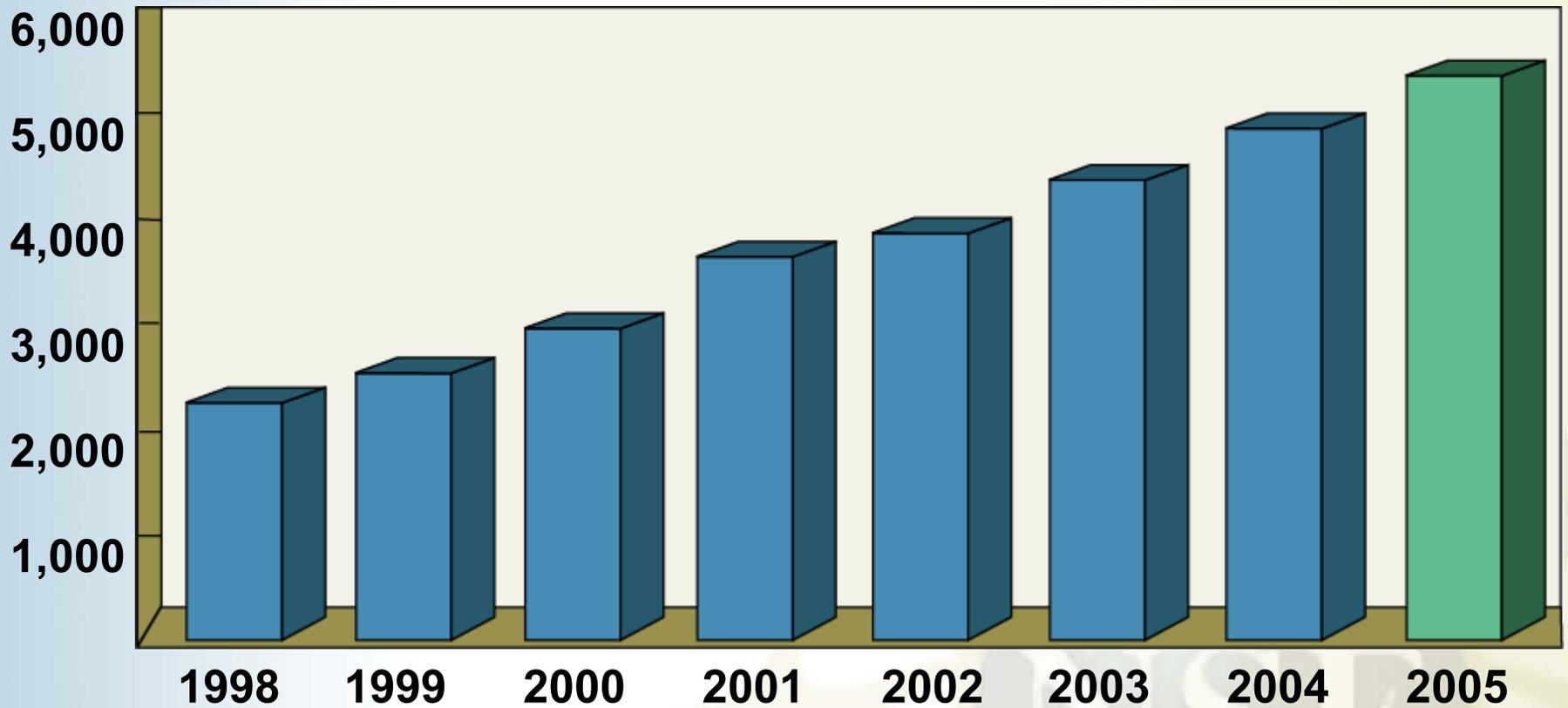
- **Number of fellows increase from 5,000 to 5,500**
- **Stipends maintained at \$30,000 annually**
 - **Graduate Research Fellowships (GRF)**
 - **Graduate Teaching Fellowships in K-12 Education (GK-12)**
 - **Integrative Graduate Education and Research Traineeships (IGERT)**

People **19%**



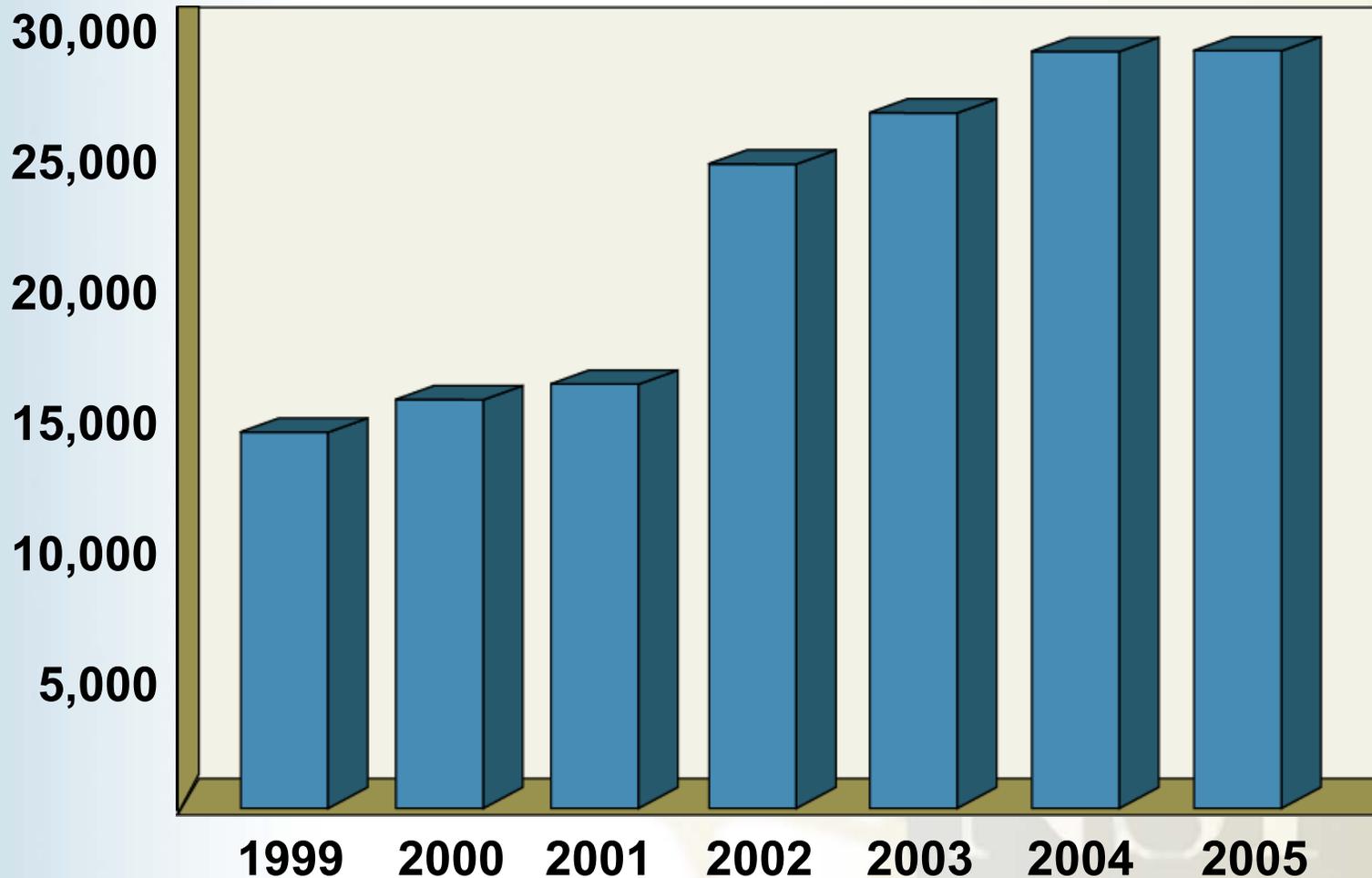
Graduate Fellows

Increase in Number of Fellows 130%



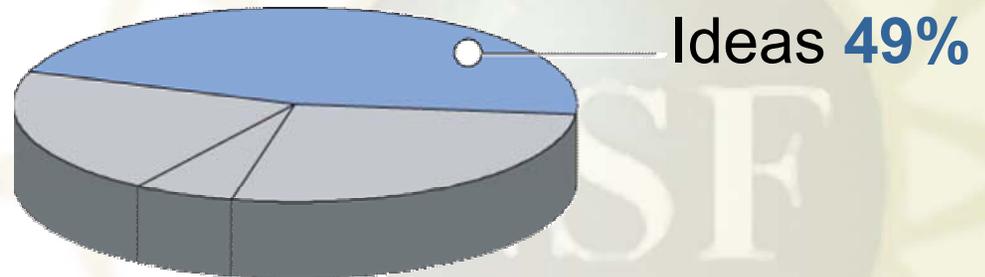
Graduate Fellows

66% Increase in Stipend Levels (1999-2004)

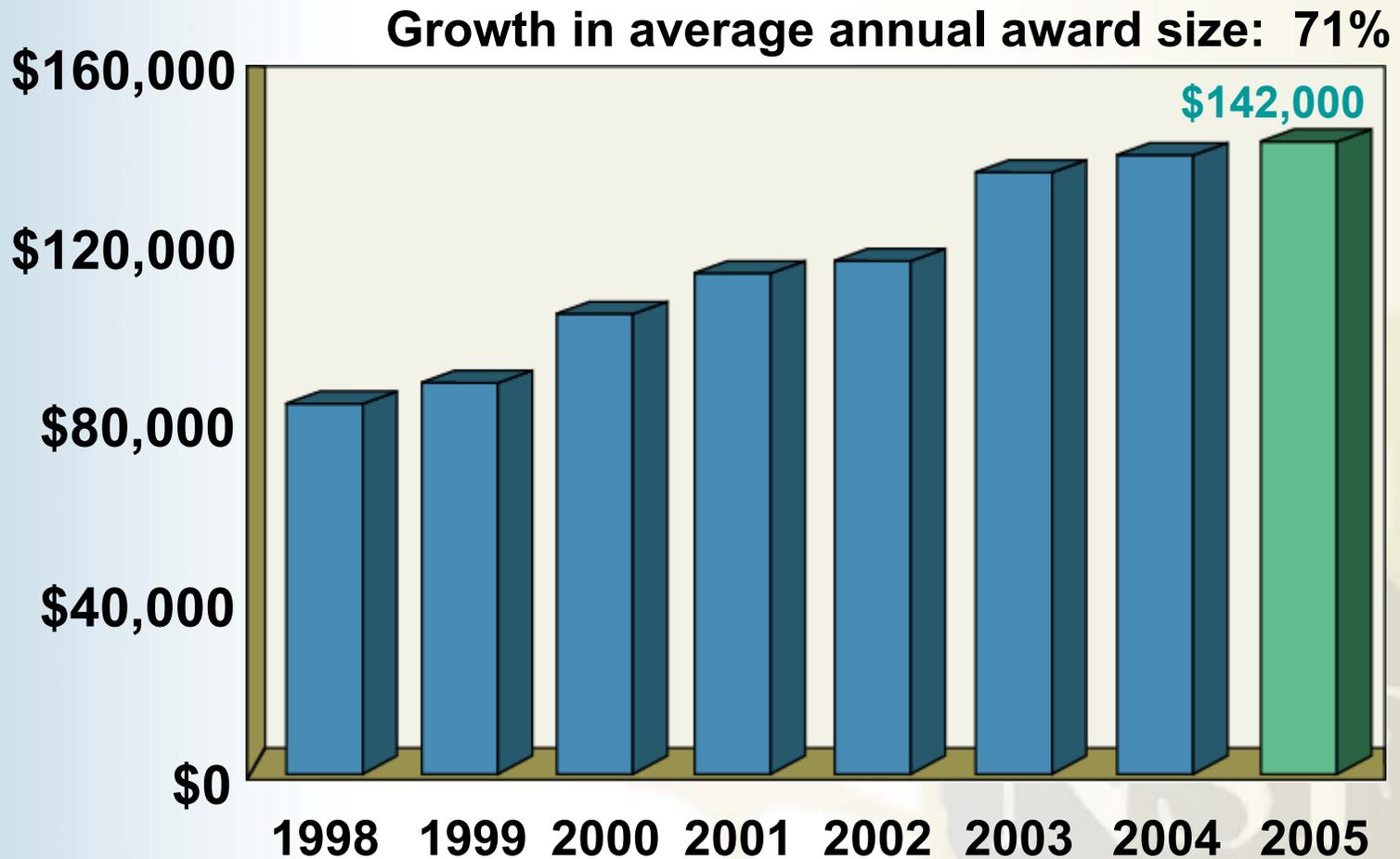


	Total	Increase
Ideas Investment	\$2,845 Million	\$56 Million

- Average award size
- Centers Program
- International Program
- Innovation Fund
- Priority Areas



Average Award Size



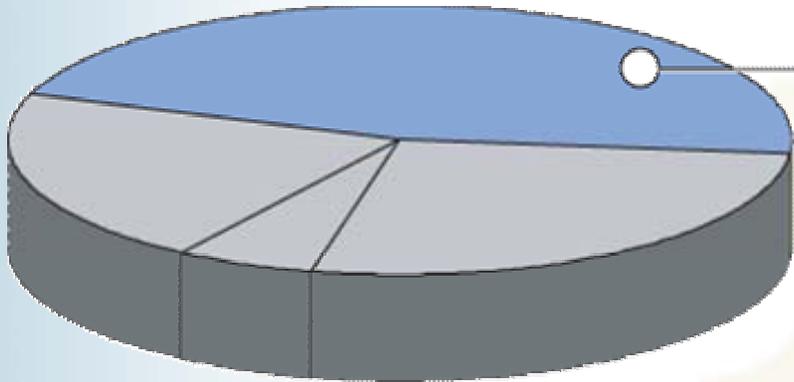
	Total	Increase
Centers Program	\$457 Million	\$44 Million

	Total	Net Increase
• Science and Technology Centers	\$ 72	\$30
• Science of Learning Centers	\$ 20	----
• Other Centers	\$365	\$14

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	Total	Increase
International Program	\$34 Million	\$6 Million
Innovation Fund	\$5 Million	---



Ideas **49%**

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NSF FY 2005 Budget Request

Priority Areas

<i>Millions of dollars</i>	FY 2004 Estimate	FY 2005 Request	Percent Change
Biocomplexity in the Environment	\$ 100	\$ 100	0.0%
Human and Social Dynamics	\$ 24	\$ 23	-4.1%
Mathematical Sciences	\$ 90	\$ 90	0.0%
Nanoscale S&E	\$ 254	\$ 305	20.3%
Workforce for the 21st Century	N/A	\$ 20	N/A

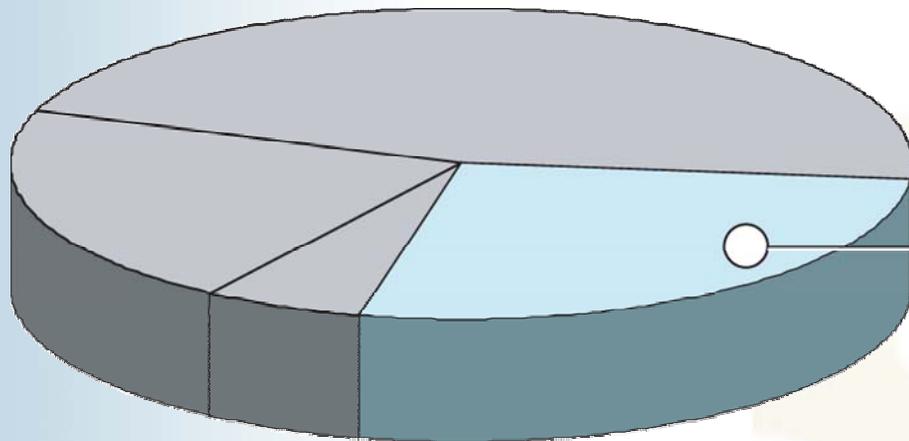
Totals may not add due to rounding.

Total

Increase

Tools Investment	\$1.47 Billion	\$104 Million
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- **Cyberinfrastructure**
- **Major Research Equipment and Facilities Construction**



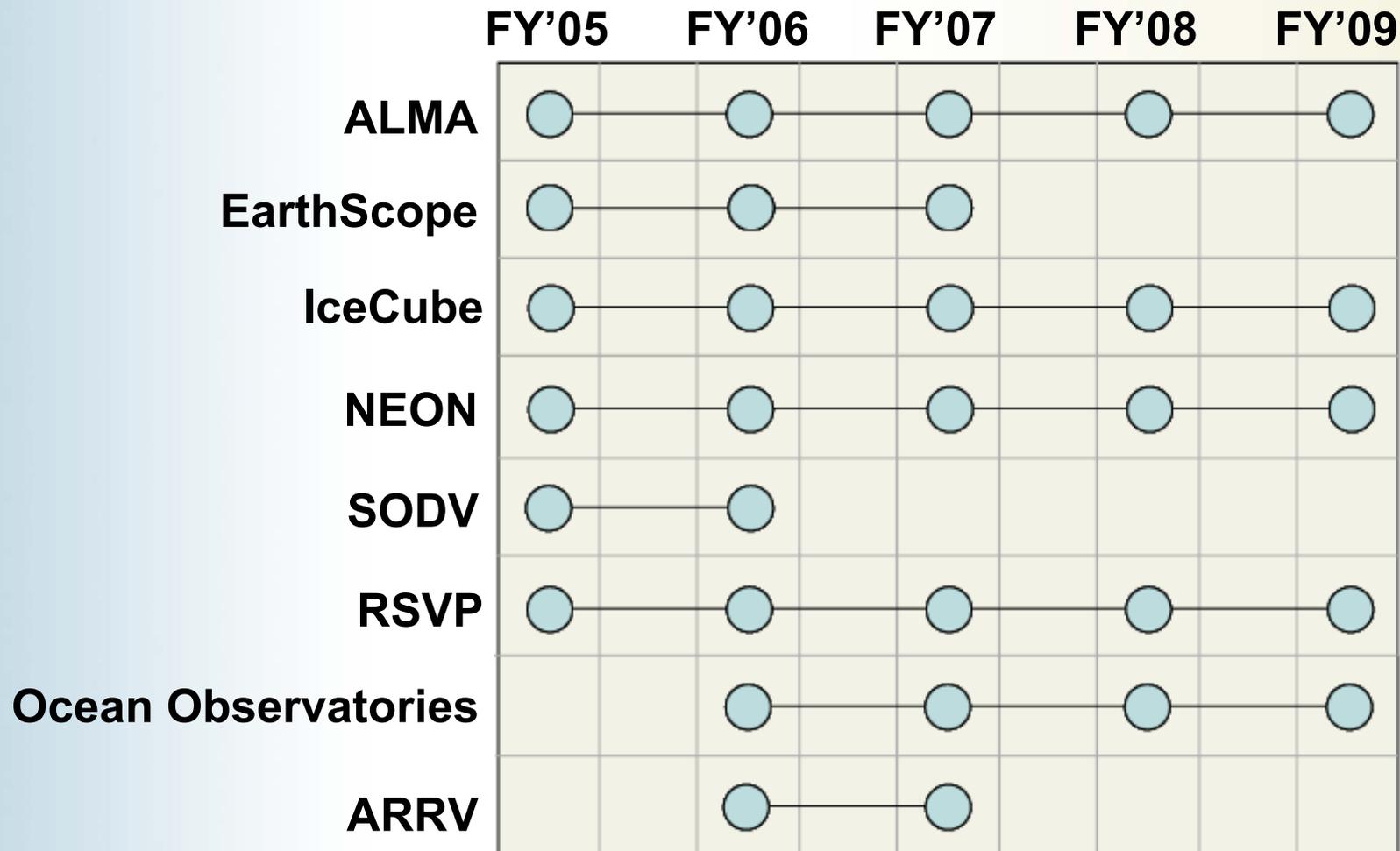
Tools **26%**

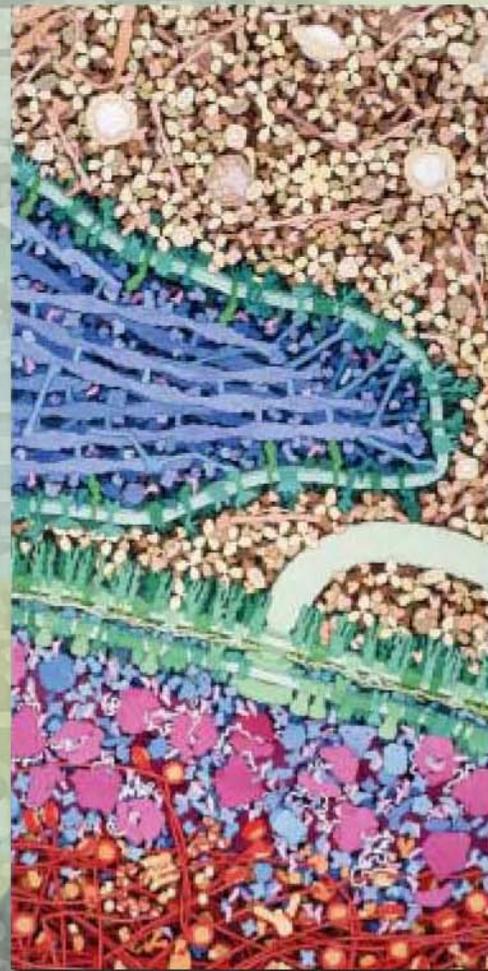
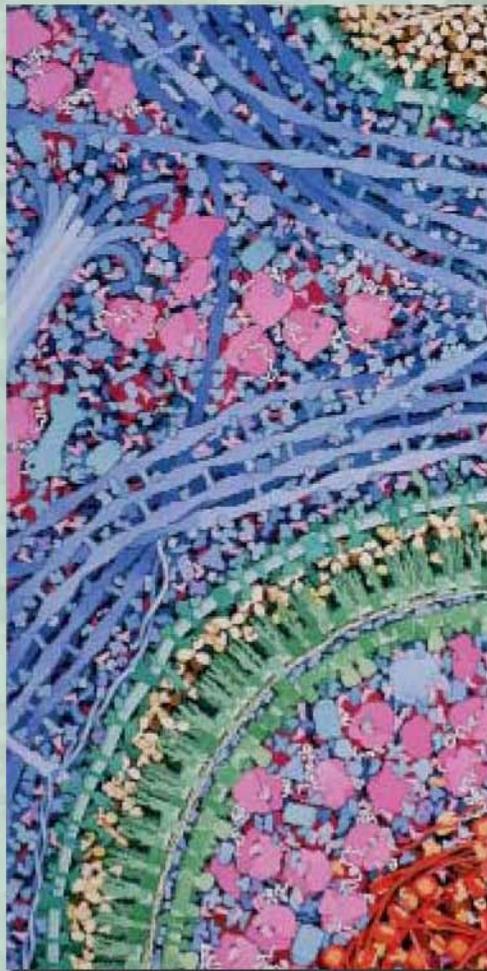
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Ongoing Projects	FY 2005 Request
ALMA	\$ 50
EarthScope	\$ 47
IceCube	\$ 33
New Projects	
NEON	\$ 12
SODV	\$ 41
RSVP	\$ 30
Total	\$213

Totals may not add due to rounding.

MREFC Planning





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