NATIONAL SCIENCE FOUNDATION

NATIONAL SCIENCE FOUNDATION

Federal Funds

General and special funds:

RESEARCH AND RELATED ACTIVITIES

For necessary expenses in carrying out the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861-1875), and the Act to establish a National Medal of Science (42 U.S.C. 1880-1881); services as authorized by 5 U.S.C. 3109; authorized travel; maintenance and operation of aircraft and purchase of flight services for research support; acquisition of aircraft; [\$2,966,000,000] \$3,540,680,000, of which not to exceed [\$253,000,000] \$285,410,000 shall remain available until expended for Polar research and operations support, and for reimbursement to other Federal agencies for operational and science support and logistical and other related activities for the United States Antarctic program; the balance to remain available until September 30, [2001] 2002: Provided, That receipts for scientific support services and materials furnished by the National Research Centers and other National Science Foundation supported research facilities may be credited to this appropriation: Provided further, That to the extent that the amount appropriated is less than the total amount authorized to be appropriated for included program activities, all amounts, including floors and ceilings, specified in the authorizing Act for those program activities or their subactivities shall be reduced proportionally [: Provided further, That \$60,000,000 of the funds available under this heading shall be made available for a comprehensive research initiative on plant genomes for economically significant crop: Provided further, That none of the funds appropriated or otherwise made available to the National Science Foundation in this or any prior Act may be obligated or expended by the National Science Foundation to enter into or extend a grant, contract, or cooperative agreement for the support of administering the domain name and numbering system of the Internet after September 30, 1998: Provided further, That no funds in this or any other Act shall be used to acquire or lease a research vessel with ice-breaking capability built or retrofitted by a shipyard located in a foreign country if such a vessel of United States origin can be obtained at a cost no more than 50 per centum above that of the least expensive technically acceptable foreign vessel bid: Provided further, That, in determining the cost of such a vessel, such cost be increased by the amount of any subsidies or financing provided by a foreign government (or instrumentality thereof) to such vessel's construction: Provided further, That if the vessel contracted for pursuant to the foregoing is not available for the 2002-2003 austral summer Antarctic season, a vessel of any origin may be leased for a period of not to exceed 120 days for that season and each season thereafter until delivery of the new vessel]. (Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Act, 2000.)

Program and Financing (in millions of dollars)

Identific	ation code 49-0100-0-1-999	1999 actual	2000 est.	2001 est.
0	bligations by program activity:			
	Direct program:			
00.01	Biological sciences	392	414	51
00.02	Computer and information science and engineering	299	388	52
00.03	Engineering	370	382	45
00.05	Geosciences	478	488	58
00.06	Mathematical and physical sciences	734	758	88
00.07	Social, behavioral and economic sciences	142	146	17
00.09	U.S. Polar research programs	183	190	22
00.10	U.S. Antarctic logistical support activities	63	63	6
00.11	Integrative activities	161	129	11
09.01	Reimbursable programs	84	100	10
10.00	Total new obligations	2,906	3,058	3,64
В	udgetary resources available for obligation:			
21.40		41	2	

OL.	1 OCHDAITION			
22.00	New budget authority (gross)	2,853	3,058	3,641
22.10	Resources available from recoveries of prior year obli- gations	16		
	9410113			
23.90	Total budgetary resources available for obligation	2,910	3,060	3,641
23.95	Total new obligations	- 2,906	-3,058	-3,641
23.98	Unobligated balance expiring or withdrawn	-2		
24.40	Unobligated balance available, end of year	2		
N	ew budget authority (gross), detail:			
	Discretionary:			
40.00	Appropriation	2,770	2,966	3,541
40.75	Reduction pursuant to P.L. 106–51	-1		
40.76			-8	
42.00	Transferred from other accounts	5		
43.00	Appropriation (total discretionary)	2,774	2.958	3,541
45.00	Spending authority from offsetting collections:	2,117	2,730	3,341
68.00	Offsetting collections (cash)	68	100	100
68.10	From Federal sources: Change in receivables and			
	unpaid, unfilled orders	11		
(0.00	Caradian authority form offerthing collections			
68.90	Spending authority from offsetting collections (total discretionary)	79	100	100
	(total discretionary)			
70.00	Total new budget authority (gross)	2,853	3,058	3,641
С	hange in unpaid obligations:			
72.40	Unpaid obligations, start of year:	2 770	2 174	2 5 2 7
72.40	Obligated balance, start of year From Federal sources: Receivables and unpaid, un-	2,770	3,174	3,527
12.73	filled orders	7	18	18
72.99	Total unpaid obligations, start of year	2,777	3,192	3,545
73.10	Total new obligations	2,906	3,058	3,641
73.20	Total outlays (gross)	- 2,461	-2,705	-3,063
73.40	Adjustments in expired accounts (net)	- 15		
73.45	Adjustments in unexpired accounts	-16		
74.40	Unpaid obligations, end of year:	2 174	2 527	4 105
74.40 74.95	Obligated balance, end of year From Federal sources: Receivables and unpaid, un-	3,174	3,527	4,105
74.93	filled orders	18	18	18
	Tilled olders			
74.99	Total unpaid obligations, end of year	3,192	3,545	4,123
	utlava (mraca) dataili			
86.90	utlays (gross), detail:	674	768	902
86.93	Outlays from new discretionary authority Outlays from discretionary balances	1,785	1,937	2,161
00.93	Outlays Holli discretionary barances	1,700	1,937	2,101
87.00	Total outlays (gross)	2,461	2,705	3,063
	ffooto.			
0	ffsets: Against gross budget authority and outlays:			
88.00	Offsetting collections (cash) from: Federal sources	- 68	- 100	- 100
00.00	Against gross budget authority only:	00	100	100
88.95	From Federal sources: Change in receivables and			
	unpaid, unfilled orders	-11		
	et budget authority and outlays:	0.77	0.0	0.5
89.00	Budget authority	2,774	2,958	3,541
90.00	Outlays	2,393	2,605	2,963

The research and related activities appropriation enables the United States to uphold world leadership in all aspects of science and engineering. This appropriation provides resources for NSF to achieve the following outcome goals: discoveries at and across the frontier of science and engineering, and connections to its use in the service of society; a diverse, internationally competitive and globally-engaged workforce of scientists, engineers and well-prepared citizens; and broadly accessible, state-of-the-art information bases and shared research and education tools. Research activities will contribute to the achievement of these goals through development of intellectual capital, integration of research and education, and

General and special funds-Continued

RESEARCH AND RELATED ACTIVITIES—Continued

promotion of partnerships. This appropriation supports NSF's active development of performance indicators.

Program activities in the research and related activities appropriation are included in the 21st Century research fund. The major research program activities of the Foundation

are:

Biological sciences.—This activity promotes scientific progress in biology through support of research ranging from the study of molecules, through cells and organisms, to studies of ecosystems. This activity also supports a comprehensive research initiative on plant genomes, including research on economically significant crops.

Computer and information sciences and engineering.—Research is directed at "information technology" in the broadest sense of the term, ranging from fundamental theory to systems engineering.

Engineering.—Research supported by this activity aims to increase U.S. engineering capability and strength, and focus that capability and strength on areas which are relevant to national problems and long-term needs. This activity also includes small business innovation research.

Geosciences.—This research advances knowledge of the properties and dynamics of the planet Earth.

Mathematical and physical sciences.—Research in this activity is directed at increasing understanding of natural laws and phenomena. It includes research in mathematical sciences, astronomy, physics, chemistry, and materials science.

Social, behavioral and economic sciences.—This activity supports research in social, behavioral and economic sciences, facilitates international scientific cooperation, and funds science resources studies.

U.S. polar research programs.—This activity supports Arctic and Antarctic research and operational science support and other related activities for the United States polar research programs. This activity includes funding for the expenses of the Arctic Research Commission.

U.S. Antarctic logistical support activities.—This activity provides funding for reimbursing Federal agencies for logistical and other related activities for the United States Antarctic program.

Integrative activities.—This activity supports emerging cross-disciplinary research efforts and major research instrumentation. This activity also provides support for the Science and Technology Policy Institute.

Object Classification (in millions of dollars)

Identifi	cation code 49-0100-0-1-999	1999 actual	2000 est.	2001 est.
	Direct obligations:			
21.0	Travel and transportation of persons	5	7	10
25.1	Advisory and assistance services	15	16	23
25.2	Other services	3	3	3
25.3	Purchases of goods and services from Government			
	accounts	2	2	2
25.4	Operation and maintenance of facilities	125	125	125
25.5	Research and development contracts	25	25	25
31.0	Equipment	1	1	1
41.0	Grants, subsidies, and contributions	2,646	2,779	3,352
99.0	Subtotal, direct obligations	2,822	2,958	3.541
99.0	Reimbursable obligations	83	100	100
99.5	Below reporting threshold	1		
99.9	Total new obligations	2,906	3,058	3,641
	Personnel Summary			
Identifi	cation code 49–0100–0–1–999	1999 actual	2000 est.	2001 est.
1001	Total compensable workyears: Full-time equivalent employment	3	3	4

ACADEMIC RESEARCH INFRASTRUCTURE

Program and Financing (in millions of dollars)

22.10 ————————————————————————————————————	Adgetary resources available for obligation: Resources available from recoveries of prior year obligations	2		
Ch	gations	2		
	Unpaid obligations, start of year: Obligated balance,			
70 40	, , ,			
72.40				
	start of year	74	35	16
73.20	Total outlays (gross)	-37	- 19	- 11
73.40	Adjustments in expired accounts (net)	-1		
73.45	Adjustments in unexpired accounts	-2		
74.40	Unpaid obligations, end of year: Obligated balance,			
	end of year	35	16	5
Ou	ıtlays (gross), detail:			
86.93	Outlays from discretionary balances	37	19	11
Ne	et budget authority and outlays:			
89.00	Budget authority			
90.00	Outlays	37	19	11

The academic research infrastructure facilities activity has been terminated. A program to support the acquisition of major research instrumentation has been funded through the research and related activities appropriation since 1997. This account shows spending from balances prior to the account restructuring.

MAJOR RESEARCH EQUIPMENT

For necessary expenses of major construction projects pursuant to the National Science Foundation Act of 1950, as amended, [including award-related travel, \$95,000,000] including authorized travel, \$138,540,000, to remain available until expended. For necessary expenses of the Large Hadron Collider, to become available on October . 1 of the fiscal year specified and remain available until expended, as follows: fiscal year 2002, \$16,900,000; and fiscal year 2003, \$9,700,000. For necessary expenses of the Network for Earthquake Engineering Simulation, to become available on October 1 of the fiscal year specified and remain available until expended, as follows: fiscal year 2002, \$24,400,000; fiscal year 2003, \$4,500,000; and fiscal year 2004, \$17,000,000. For necessary expenses of the Terascale Computing System, to become available on October 1, 2001 and remain available until expended, \$55,000,000. For necessary expenses of EarthScope: U.S. Array and San Andreas Fault Observatory at Depth, to become available on October 1 of the fiscal year specified and remain available until expended, as follows: fiscal year 2002, \$28,460,000; fiscal year 2003, \$15,740,000; and fiscal year 2004, \$13,170,000. For necessary expenses of the National Ecological Observatory Network, to become available on October 1 of the fiscal year specified and remain available until expended, as follows: fiscal year 2002, \$20,000,000; fiscal year 2003, \$27,000,000; fiscal year 2004, \$20,000,000; and fiscal year 2005, \$14,000,000. (Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Act,

Program and Financing (in millions of dollars)

Identific	ation code 49-0551-0-1-251	1999 actual	2000 est.	2001 est.
0	bligations by program activity:			
10.00	Total new obligations	57	161	139
В	udgetary resources available for obligation:			
21.40	Unobligated balance available, start of year	35	68	
22.00	New budget authority (gross)	90	93	139
23.90	Total budgetary resources available for obligation	125	161	139
23.95	Total new obligations	- 57	- 161	— 139
24.40	Unobligated balance available, end of year	68		
N	ew budget authority (gross), detail: Discretionary:			
40.00	Appropriation	90	95	139

Grants, subsidies, and contributions .

41.0

40.76	Reduction pursuant to P.L. 106-113			
43.00	Appropriation (total discretionary)	90	93	139
С	change in unpaid obligations:			
72.40	Unpaid obligations, start of year: Obligated balance,			
	start of year	72	29	117
73.10	Total new obligations	57	161	139
73.20	Total outlays (gross)	- 99	− 7 3	- 90
74.40	Unpaid obligations, end of year: Obligated balance,			
	end of year	29	117	166
0	utlays (gross), detail:			
86.90	Outlays from new discretionary authority	40	10	15
86.93	Outlays from discretionary balances	59	63	75
87.00	Total outlays (gross)	99	73	90
N	let budget authority and outlays:			
89.00	Budget authority	90	93	139
90.00	Outlays	99	73	90
	Object Classification (in millions	of dollars)		
Identific	ation code 49-0551-0-1-251	1999 actual	2000 est.	2001 est.
25.5	Research and development contracts	26	85	14

76

125

milestones.

Funding for major research equipment is included in the 21st Century research fund.

ured against established construction schedules, costs and

SALARIES AND EXPENSES

For salaries and expenses necessary in carrying out the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861–1875); services authorized by 5 U.S.C. 3109; hire of passenger motor vehicles; not to exceed \$9,000 for official reception and representation expenses; uniforms or allowances therefor, as authorized by 5 U.S.C. 5901–5902; rental of conference rooms in the District of Columbia; reimbursement of the General Services Administration for security guard services; [\$149,000,000] \$157,890,000: Provided, That contracts may be entered into under "Salaries and expenses" in fiscal year [2000] 2001 for maintenance and operation of facilities, and for other services, to be provided during the next fiscal year. (Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Act, 2000.)

Program and Financing (in millions of dollars)

Identific	ation code 49-0180-0-1-251	1999 actual	2000 est.	2001 est.
0	bligations by program activity:			
00.01	Administration and management	144	149	158
09.01	Reimbursable programs	5	5	5
10.00	Total new obligations	149	154	163
В	sudgetary resources available for obligation:			
22.00	New budget authority (gross)	149	154	163
23.95	Total new obligations	- 149	- 154	– 163
N	lew budget authority (gross), detail:			
	Discretionary:			
40.00	Appropriation	144	149	158
	Spending authority from offsetting collections:			
68.00	Offsetting collections (cash)	4	5	5
68.10	From Federal sources: Change in receivables and			
	unpaid, unfilled orders	1		
68.90	Spending authority from offsetting collections			
	(total discretionary)	5	5	5
70.00	Total new budget authority (gross)	149	154	163

С	hange in unpaid obligations:			
72.40	Unpaid obligations, start of year: Obligated balance, start of year	19	24	17
72.95	From Federal sources: Receivables and unpaid, un-	.,		
	filled orders		1	1
72.99	Total unpaid obligations, start of year	19	25	18
73.10	Total new obligations	149	154	163
73.20	Total outlays (gross)	-142	− 162	- 162
73.40	Adjustments in expired accounts (net)	-1		
74.40	Obligated balance, end of year	24	17	18
74.95	From Federal sources: Receivables and unpaid, un-			
	filled orders	1	1	1
74.99	Total unpaid obligations, end of year	25	18	19
0	utlays (gross), detail:			
86.90	Outlays from new discretionary authority	129	138	146
86.93	Outlays from discretionary balances	13	24	16
87.00	Total outlays (gross)	142	162	162
0	ffsets:			
	Against gross budget authority and outlays:			
88.00	Offsetting collections (cash) from: Federal sources	-4	-5	-5
	Against gross budget authority only:			
88.95	From Federal sources: Change in receivables and			
	unpaid, unfilled orders	-1		
N	et budget authority and outlays:			
89.00	Budget authority	144	149	158
90.00	Outlays	138	157	157

This account provides funds to administer and manage NSF programs. NSF continually devises and refines performance measures for development and monitoring of programs.

Salaries and expenses is included in the 21st Century research fund.

Object Classification (in millions of dollars)

Identific	cation code 49-0180-0-1-251	1999 actual	2000 est.	2001 est.
	Direct obligations:			
	Personnel compensation:			
11.1	Full-time permanent	69	72	77
11.3	Other than full-time permanent	11	12	13
11.5	Other personnel compensation	2	2	2
11.8	Special personal services payments	1	1	1
11.9	Total personnel compensation	83	87	93
12.1	Civilian personnel benefits	16	17	18
21.0	Travel and transportation of persons	4	4	1
23.1	Rental payments to GSA	16	17	18
23.3	Communications, utilities, and miscellaneous			
	charges	4	3	4
25.1	Advisory and assistance services	1	1	1
25.2	Other services	4	4	4
25.3	Purchases of goods and services from Government			
	accounts	1	1	1
25.7	Operation and maintenance of equipment	5	5	6
26.0	Supplies and materials	2	2	2
31.0	Equipment	8	8	10
99.0	Subtotal, direct obligations	144	149	158
99.0	Reimbursable obligations	4	5	5
99.5	Below reporting threshold	1		
99.9	Total new obligations	149	154	163
	Personnel Summary			
Identific	cation code 49–0180–0–1–251	1999 actual	2000 est.	2001 est.
1001	Total compensable workyears: Full-time equivalent employment	1,142	1,150	1,150

OFFICE OF INSPECTOR GENERAL

For necessary expenses of the Office of Inspector General as authorized by the Inspector General Act of 1978, as amended, [\$5,450,000] \$6,280,000, to remain available until September 30, [2001] 2002.

General and special funds—Continued

OFFICE OF INSPECTOR GENERAL—Continued

(Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Act, 2000.)

Program and Financing (in millions of dollars)

Identific	ation code 49-0300-0-1-251	1999 actual	2000 est.	2001 est.
0	bligations by program activity:			
	Total new obligations	5	5	(
В	udgetary resources available for obligation:			
22.00	New budget authority (gross)	5	5	(
23.95	Total new obligations	-5	-5	-6
N	ew budget authority (gross), detail:			
	Discretionary:			
40.00	Appropriation	5	5	(
С	hange in unpaid obligations:			
72.40	Unpaid obligations, start of year: Obligated balance,			
	start of year	1	2	•
73.10	Total new obligations	5	5	(
73.20	Total outlays (gross)	-5	-6	- 6
74.40	Unpaid obligations, end of year: Obligated balance,			
	end of year	2	1	•
0	utlays (gross), detail:			
86.90	Outlays from new discretionary authority	4	4	į
86.93	Outlays from discretionary balances	1	1	
87.00	Total outlays (gross)	5	6	(
N	et budget authority and outlays:			
89.00	Budget authority	5	5	(
90.00	Outlays	5	6	(

This appropriation provides agency-wide audit and investigative functions to identify and correct management and administrative deficiencies which create conditions for existing or potential instances of fraud, waste, and mismanagement consistent with the Inspector General Act of 1978, as amended (5 U.S.C. App. 3).

The Office of Inspector General is included in the 21st Century research fund.

Object Classification (in millions of dollars)

Identifi	cation code 49-0300-0-1-251	1999 actual	2000 est.	2001 est.
11.1	Personnel compensation: Full-time permanent	3	3	4
12.1	Civilian personnel benefits	1	1	1
25.1	Advisory and assistance services	1	1	1
99.9	Total new obligations	5	5	6
	Personnel Summary			
Identifi	cation code 49–0300–0–1–251	1999 actual	2000 est.	2001 est.
1001	Total compensable workyears: Full-time equivalent employment	44	46	50

EDUCATION AND HUMAN RESOURCES

For necessary expenses in carrying out science and engineering education and human resources programs and activities pursuant to the National Science Foundation Act of 1950, as amended (42 U.S.C. 1861–1875), including services as authorized by 5 U.S.C. 3109, [award-related travel,] authorized travel, and rental of conference rooms in the District of Columbia, [\$696,600,000] \$729,010,000, to remain available until September 30, [2001] \$2002: Provided, That to the extent that the amount of this appropriation is less than the total amount authorized to be appropriated for included program activities, all amounts, including floors and ceilings, specified in the authorizing Act for those program activities or their subactivities shall be reduced proportionally[: Provided further, That \$10,000,000

shall be available for the purpose of establishing an office of innovation partnerships]. (Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Act. 2000.)

Program and Financing (in millions of dollars)

Identifica	ation code 49-0106-0-1-251	1999 actual	2000 est.	2001 est.
Ob	oligations by program activity:			
	Obligations by program activity:			
	Direct program:			
00.01	Appropriated activities: Educational system reform	116	114	110
00.01	Office of innovation partnerships	49	60	48
00.03	Elementary, secondary and informal education	194	184	191
00.04	Undergraduate education	101	116	141
00.05	Graduate education	74	78	89
00.06 00.07	Human resource development Research, evaluation and communication	73 55	77 62	82 68
00.91	Subtotal appropriated activities	662	691	729
01.01	H-1B non-immigrant petitioner fee activities: Scholarships for individuals (low-income stu-			
01.01	dents)	1	45	23
01.02	Grants for enrichment courses		7	4
01.03	Systemic reform activities		7	4
01.91	Subtotal H-1B non-immigrant petitioner fee			
01.71	activities	1	59	31
	35111105	<u>.</u>		
02.00	Total direct obligations	663	750	760
09.01	Reimbursable programs	14	15	15
10.00	Total new obligations	677	765	775
n.	.d			
в і 21.40	udgetary resources available for obligation: Unobligated balance available, start of year		26	
22.00	New budget authority (gross)	703	739	775
23.90	Total budgetary resources available for obligation	703	765	775
23.95 24.40	Total new obligations Unobligated balance available, end of year	- 677 26	- 765	- 775
	onobligated balance available, end of year			
Ne	ew budget authority (gross), detail:			
INC	Discretionary:			
40.00	Appropriation	662	697	729
40.76	Reduction pursuant to P.L. 106–113		-6	
43.00	Appropriation (total discretionary)	662	691	729
43.00	Appropriation (total discretionary)	002	071	127
60.25	Appropriation (special fund, indefinite)	27	33	31
	Discretionary:			
68.00	Spending authority from offsetting collections: Off-	1.4	10	10
	setting collections (cash)	14	15	15
70.00	Total new budget authority (gross)	703	739	775
CI.	cango in unnaid obligations:			
	nange in unpaid obligations: Unpaid obligations, start of year: Obligated balance,			
12.40	start of year	860	941	996
73.10	Total new obligations	677	765	775
73.20	Total outlays (gross)	- 585	− 710	−724
73.40	Adjustments in expired accounts (net)	-10		
74.40	Unpaid obligations, end of year: Obligated balance, end of year	941	996	1,047
0ι	utlays (gross), detail:			
86.90	Outlays from new discretionary authority	91	105	110
86.93	Outlays from discretionary balances	494	545	584
86.97 86.98	Outlays from new mandatory authority Outlays from mandatory balances		33 27	31
00.90	Outlays Hotti Halidatory balances			
87.00	Total outlays (gross)	585	710	724
Of	fsets:			
31	Against gross budget authority and outlays:			
88.00	Offsetting collections (cash) from: Federal sources	-14	- 15	- 15
	et budget authority and outlays:		70:	
89.00 90.00	Budget authority Outlays	689 571	724 695	760 709
		2/1	040	

Summary of Budget Authority and Outlays

(in millions of dollars)					
Enacted/requested:	1999 actual	2000 est.	2001 est.		
Budget Authority	689	724	760		
Outlays	571	695	710		
Supplemental proposal:					
Budget Authority		1			
Outlays					
Total:					
Budget Authority	689	725	760		
Outlays	571	695	700		
Outlays			710		

Education and human resources (EHR) activities provide a comprehensive set of programs that further NSF's goal of ensuring a diverse, internationally competitive and globallyengaged workforce of scientists, engineers and well-prepared citizens. At the pre-kindergarten through grade 12 (pre K-12) level, EHR catalyzes systemic reform of science, mathematics, engineering and technology (SMET) education in States, cities, school districts, and rural areas. Its pre K-12 programs provide new instructional materials and pedagogical techniques that incorporate the latest advances in teaching, learning, and educational technologies. They also provide enrichment activities for teachers and students. Undergraduate initiatives improve curricula in all SMET fields and lead reform efforts in mathematics, chemistry, and other disciplines. EHR programs strengthen laboratory course offerings and enhance faculty. Programs for advanced technological education strengthen education for students preparing to enter the high-technology workforce. Graduate level support is directed primarily to research and education fellowships and traineeships to guarantee the U.S. world leadership in science and technology. All EHR programming focuses on broadening participation of groups underrepresented in SMET fields including activities focused on the improvement of infrastructure and academic programs at minority-serving institutions. The Office of Innovation Partnerships was initiated in FY 2000 to examine means of helping institutions expand their research capacity and competitiveness so as to develop a truly national scientific research community. Included is the Experimental program to stimulate competitive research (EPSCoR) that broadens participation of States and regions in science and engineering. EHR supports research that advances SMET education, as well as development and effective implementation of learning technologies. Evaluation and communications activities ensure accountability by developing indicators that measure program impact and inform the education community of best practices and relevant information. Also included within EHR are funds resulting from the collection and use of H-1B non-immigrant fees, for scholarships, enrichment courses, and systemic reform activities. This appropriation also supports NSF's active development of performance indicators.

Education and human resources programs are included in the 21st Century research fund.

Object Classification (in millions of dollars)

Identific	cation code 49-0106-0-1-251	1999 actual	2000 est.	2001 est.
	Direct obligations:			
21.0	Travel and transportation of persons	2	2	3
25.1	Advisory and assistance services	18	19	21
41.0	Grants, subsidies, and contributions	642	729	736
99.0	Subtotal, direct obligations	662	750	760
99.0	Reimbursable obligations	14	15	15
99.5	Below reporting threshold	1		
99.9	Total new obligations	677	765	775

Trust Funds

DONATIONS

Unavailable Collections (in millions of dollars)

Identification code 49–8960–0–7–251	1999 actual	2000 est.	2001 est.
Balance, start of year:			
01.99 Balance, start of year			3
02.01 Donations to the National Science Foundation	37	45	37
04.00 Total: Balances and collections	37	45	40
05.01 Donations		<u>-42</u>	<u>- 35</u>
07.99 Total balance, end of year		3	5

Program and Financing (in millions of dollars)

	ation code 49-8960-0-7-251	1999 actual	2000 est.	2001 est.
	bligations by program activity:			
00.01	Ocean drilling programs	18	20	20
00.02	Gemini telescope	13	20	13
00.03	Other	2	2	2
10.00	Total new obligations	33	42	35
Е	sudgetary resources available for obligation:			
21.40	Unobligated balance available, start of year	10	14	14
22.00	New budget authority (gross)	37	42	35
23.90	Total budgetary resources available for obligation	47	56	49
23.95	Total new obligations	-33	-42	-35
24.40	Unobligated balance available, end of year	14	14	14
N	lew budget authority (gross), detail:			
60.27	Mandatory: Appropriation (trust fund, indefinite)	37	42	35
	hange in unpaid obligations:			
	mange in unpaid obligations.			
	Unpaid obligations, start of year: Obligated balance.			
	Unpaid obligations, start of year: Obligated balance, start of year	22	13	13
72.40	Unpaid obligations, start of year: Obligated balance, start of year	22 33	13 42	13 35
72.40 73.10	start of year			
72.40 73.10	start of year	33	42	35
72.40 73.10 73.20	start of year	33	42	35
72.40 73.10 73.20 74.40	Start of year	33 - 42	42 - 42	35 - 35
72.40 73.10 73.20 74.40	start of year Total new obligations Total outlays (gross) Unpaid obligations, end of year: Obligated balance, end of year utlays (gross), detail:	33 - 42	42 - 42	35 - 35
72.40 73.10 73.20 74.40 	Start of year	33 - 42 13	42 - 42 13	35 - 35 13
72.40 73.10 73.20 74.40	start of year Total new obligations Total outlays (gross) Unpaid obligations, end of year: Obligated balance, end of year utlays (gross), detail: Outlays from new mandatory authority	33 -42 13	42 - 42 13	35 - 35 13
72.40 73.10 73.20 74.40	start of year Total new obligations Total outlays (gross) Unpaid obligations, end of year: Obligated balance, end of year utlays (gross), detail: Outlays from new mandatory authority Outlays from mandatory balances Total outlays (gross)	33 - 42 13 31 11	42 -42 13 42	35 - 35 13
72.40 73.10 73.20 74.40	start of year	33 - 42 13 31 11	42 -42 13 42	35 - 35 13

This account consists of contributions from foreign governments, organizations and individuals to fund various cooperative efforts in science, research and education. These efforts include major international projects, such as operation and construction of the GEMINI telescope, and the NSF Ocean drilling program. Other smaller activities supported include cooperative research, joint seminars, exchange of senior scientists, short-term research development visits, international conferences, and support for certain special functions of NSF and the National Science Board. These funds are not otherwise available.

Object Classification (in millions of dollars)

Identifi	cation code 49-8960-0-7-251	1999 actual	2000 est.	2001 est.
25.4 41.0	Operation and maintenance of facilities	16 17	20 22	20 15
99.9	Total new obligations	33	42	35