

BRAZIL

*federal*

**E**xpenditures

*on* **S**cience

**&**

*tecnology*

*Time Series 1980-94*

**SYNOPSIS**

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Ministry of Science & Technology



**CNPq**  
NATIONAL COUNCIL FOR SCIENTIFIC &  
TECHNOLOGICAL DEVELOPMENT

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# FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY

Time Series 1980-94 - Synopsis

BRASÍLIA, DECEMBER, 1995

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## **F**oreword

*In Brazil, the Federal Government is the most important financial source for Science and Technology, and represents more than half the national expenditure on S&T.*

*This consolidation of the 1994 Federal Government Expenditure continues CNPq's tradition of providing time-series information on S&T. This synopsis represents an effort to create a light, concise and convenient document that can provide essential data on the main federal agencies that finance and invest on S&T.*

José Galizia Tundisi  
President of CNPq

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## Federal Expenditure on S&T 1980-94

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TABLE 1

FEDERAL EXPENDITURE ON S&T AS A PERCENTAGE OF CURRENT REVENUES AND TOTAL FEDERAL EXPENDITURE  
TREASURY FUNDS - 1980-94

YEAR	FEDERAL EXPENDITURE ON S&T (A)	CURRENT REVENUES (2)	%	IN US\$ MILLION, 1994 (1)	
				TOTAL FEDERAL EXPENDITURE (C)	% (A/C)
1980	1.014,6	42.042,9	2,41	42.385,2	2,39
1981	2.619,2	40.009,5	6,55	40.314,8	6,50
1982	2.854,2	40.410,7	7,06	40.820,9	6,99
1983	2.325,3	42.754,9	5,44	43.501,8	5,35
1984	2.001,7	44.004,5	4,55	41.376,2	4,84
1985	1.740,4	46.552,9	3,74	45.789,2	3,80
1986	2.377,1	53.540,1	4,44	77.198,4	3,08
1987	2.878,4	56.776,4	5,07	74.325,8	3,87
1988	3.075,3	54.407,3	5,65	100.233,4	3,07
1989	2.679,6	52.123,9	5,14	238.470,5	1,12
1990	2.197,6	66.004,4	3,33	335.211,0	0,66
1991	2.038,3	80.298,2	2,54	151.196,4	1,35
1992	1.552,8	79.583,2	1,95	198.178,9	0,78
1993	2.196,1	167.199,0	1,31	273.243,9	0,80
1994	2.199,0	167.300,9	1,31	269.744,2	0,82

SOURCE: MCT/CNPq/SUP/COOE

NOTES: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

(2) Data do not include Revenues from Social Security Contributions paid by employees and employers.

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

**GRAPH 1**

FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
TREASURY FUNDS - 1980-94

IN US\$ BILLION, 1994

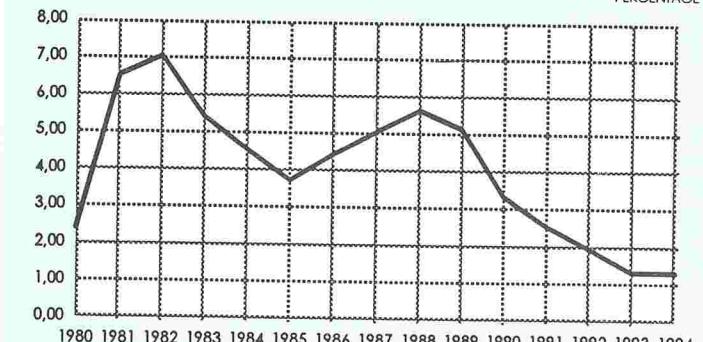


SOURCE: MCT/CNPq/SUP/COOE

**GRAPH 2**

FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
AS A PERCENTAGE OF CURRENT REVENUES - 1980-94

PERCENTAGE



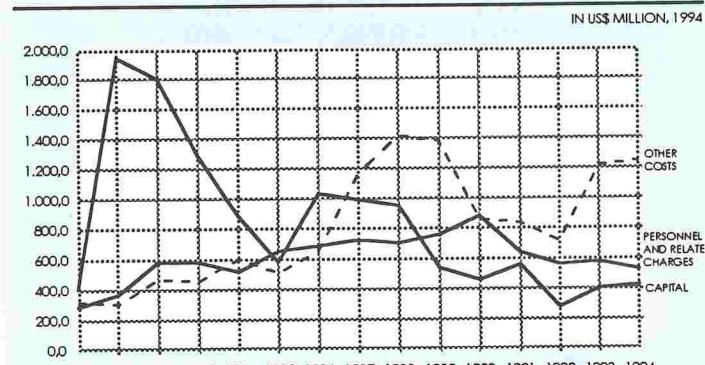
SOURCE: MCT/CNPq/SUP/COOE

## SYNOPSIS

### Federal Expenditure on S&T - 1980-94

**GRAPH 4**

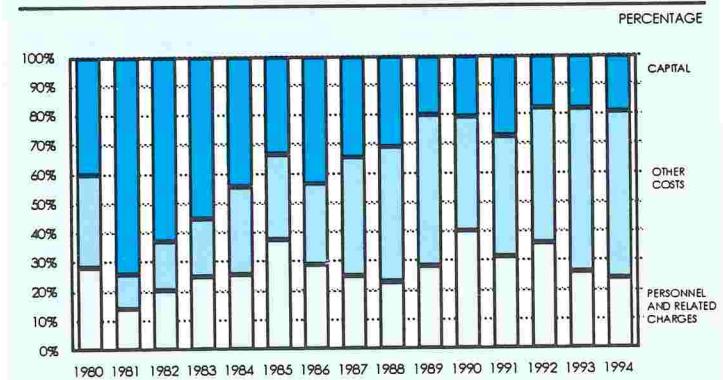
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY ELEMENTS OF EXPENSE - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

**GRAPH 5**

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY ELEMENTS OF EXPENSE - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

TABLE 4

FEDERAL EXPENDITURE ON S&T - BY CATEGORY OF S&T ACTIVITIES:  
R&D - RESEARCH AND DEVELOPMENT AND CSTA - CORRELATED SCIENTIFIC AND TECHNICAL ACTIVITIES  
TREASURY FUNDS - 1980-94

YEAR	R&D	%	CSTA	%	TOTAL
1980	643,4	63,41	371,2	36,59	1.014,6
1981	1.617,1	61,74	1.002,1	38,26	2.619,2
1982	1.736,0	60,82	1.118,2	39,18	2.854,2
1983	1.680,9	72,29	644,4	27,71	2.325,3
1984	1.327,7	66,33	674,0	33,67	2.001,7
1985	1.235,1	70,97	505,3	29,03	1.740,4
1986	1.611,0	67,77	766,0	32,23	2.377,1
1987	1.523,9	52,94	1.354,5	47,06	2.878,4
1988	1.699,1	55,25	1.376,1	44,75	3.075,3
1989	1.414,5	52,74	1.267,5	47,26	2.682,0
1990	1.154,5	52,53	1.043,1	47,47	2.197,6
1991	1.107,1	54,32	931,2	45,68	2.038,3
1992	826,7	53,24	726,2	46,76	1.552,8
1993	1.371,2	62,44	824,9	37,56	2.196,1
1994	1.521,6	69,20	677,3	30,80	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

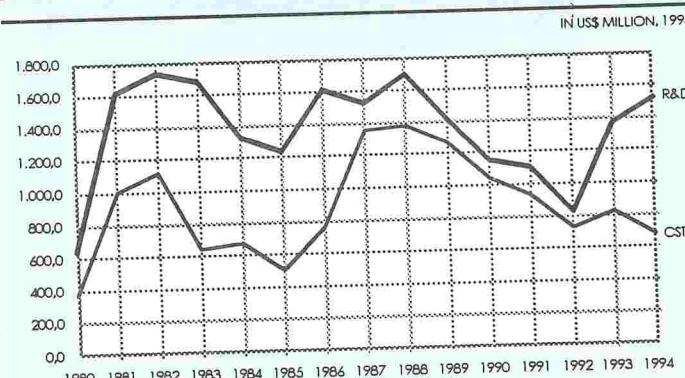
NOTE: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

## SYNOPSIS

### Federal Expenditure on S&T 1980-94

**GRAPH 6**

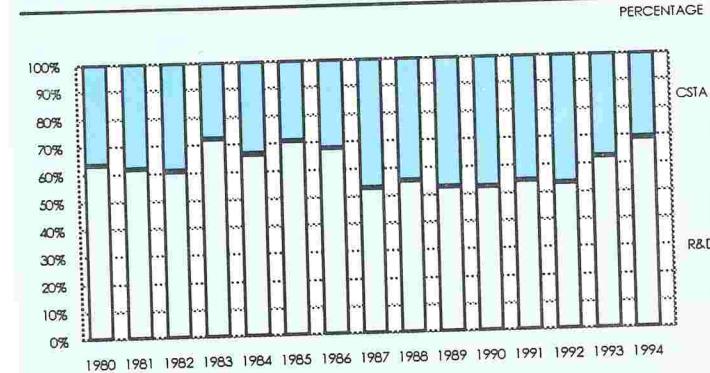
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY CATEGORIES OF S&T ACTIVITIES - R&D AND CSTA - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

**GRAPH 7**

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY CATEGORIES OF S&T ACTIVITIES - R&D AND CSTA - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

TABLE 5

FEDERAL EXPENDITURE ON RESEARCH AND DEVELOPMENT - BY CHARACTER OF WORK  
TREASURY FUNDS - 1980-94

YEAR	APPLIED RESEARCH	BASIC RESEARCH	EXPERIMENTAL DEVELOPMENT	OTHER (2)	TOTAL
1980	335,7	74,8	12,9	219,8	643,3
1981	1.285,6	77,4	11,6	242,6	1.617,2
1982	1.323,0	131,8	47,0	234,2	1.736,0
1983	1.295,4	114,5	46,2	224,8	1.680,9
1984	953,9	97,9	67,9	208,0	1.327,7
1985	708,1	137,1	104,4	285,5	1.235,1
1986	952,3	201,8	108,1	349,4	1.611,5
1987	803,9	167,3	58,8	493,6	1.523,6
1988	810,2	182,0	52,5	654,5	1.699,1
1989	447,2	180,5	137,7	647,7	1.413,2
1990	371,5	283,6	76,8	422,6	1.154,5
1991	364,6	278,2	48,1	416,2	1.107,1
1992	207,8	200,9	47,5	370,5	826,7
1993	330,3	363,6	59,8	617,5	1.371,2
1994	280,4	437,1	48,5	755,6	1.521,6

SOURCE: MCT/CNPq/SUP/COOE

NOTE: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

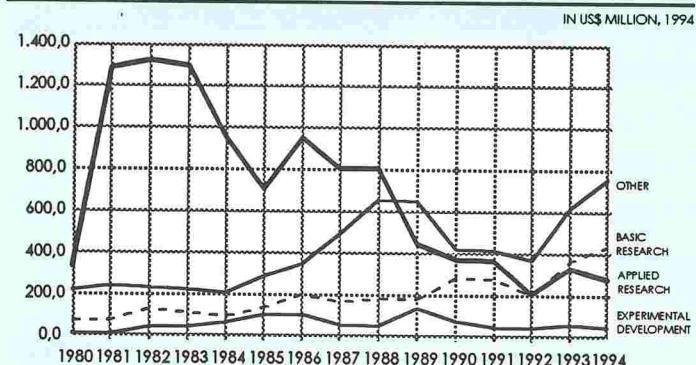
(2) This column is comprised by data that is a mixture of the three kinds of research work, but could not be broken down into their component parts.

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### Federal Expenditure on S&T 1980-94

GRAPH 8

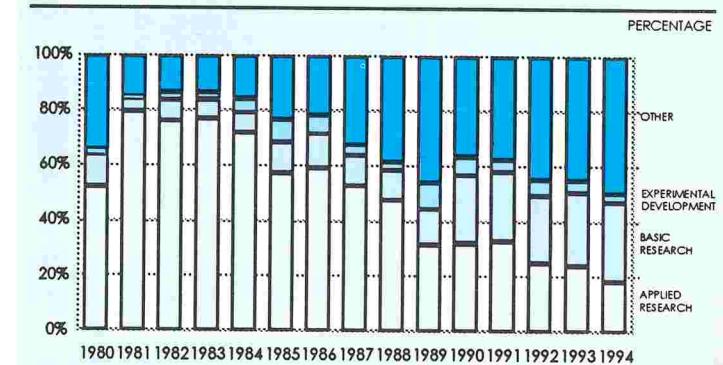
#### FEDERAL EXPENDITURE ON RESEARCH AND DEVELOPMENT BY CHARACTER OF WORK - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

GRAPH 9

#### SHARE OF FEDERAL EXPENDITURE ON RESEARCH AND DEVELOPMENT BY CHARACTER OF WORK - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

TABLE 6

FEDERAL EXPENDITURE ON S&T - BY MAIN AGENCIES (1)  
TREASURY FUNDS - 1980-94

YEAR	MCT	MEC	MAARA	PR	MAer	MS	OTHERS	TOTAL
1980	393,9	77,5	227,6	102,5	17,1	25,9	170,0	1.014,5
1981	863,2	115,6	318,4	121,1	5,7	27,6	1.167,6	2.619,3
1982	566,6	227,8	562,4	192,5	22,5	30,2	1.252,3	2.854,3
1983	409,7	225,1	451,9	178,7	22,4	24,3	1.013,2	2.325,3
1984	367,6	188,1	545,5	198,6	70,6	26,9	604,5	2.001,7
1985	403,3	283,1	409,9	183,9	119,1	19,0	322,2	1.740,4
1986	605,7	422,9	411,4	298,0	76,6	29,1	534,0	2.377,8
1987	871,7	393,0	431,1	238,5	268,8	21,4	653,4	2.877,8
1988	960,6	401,6	446,8	370,0	462,6	71,5	362,1	3.075,2
1989	940,5	451,3	538,2	340,7	214,5	80,3	114,0	2.679,6
1990	706,2	328,0	455,6	240,6	265,0	73,5	128,7	2.197,6
1991	739,1	268,9	409,1	144,0	254,7	85,5	137,0	2.038,3
1992	617,8	235,4	297,4	124,9	74,3	77,2	125,8	1.552,8
1993	1.150,2	322,6	452,5	87,1	4,5	71,9	107,3	2.196,0
1994	928,4	464,1	284,7	157,3	132,2	104,8	127,4	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

NOTES: (1) Consolidation based on the administrative structure provided for by the 1994 Federal Government Budget Law;

(2) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

MCT - MINISTRY OF SCIENCE AND TECHNOLOGY

MEC - MINISTRY OF EDUCATION AND SPORTS

MAARA - MINISTRY OF AGRICULTURE, PROVISION AND AGRARIAN REFORM

PR - PRESIDENCY OF THE REPUBLIC

MAer - MINISTRY OF AERONAUTICS

MS - MINISTRY OF HEALTH

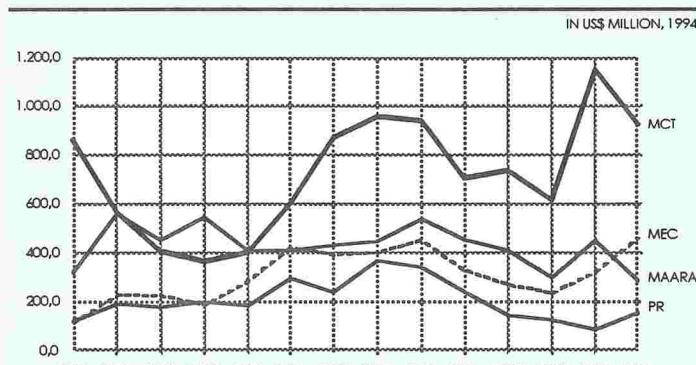
## SYNOPSIS

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### Federal Expenditure on S&T 1980-94

GRAPH 10

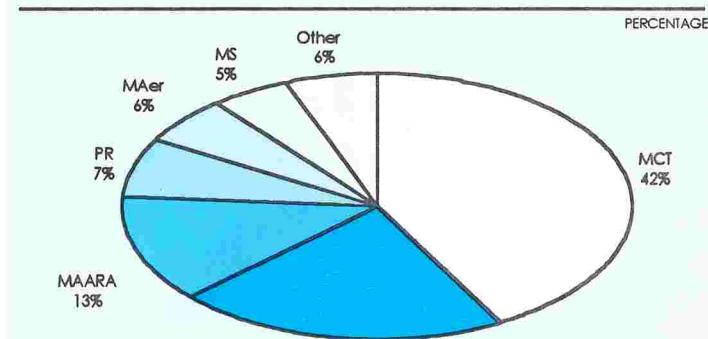
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN AGENCIES - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

GRAPH 11

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN AGENCIES - 1994



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

### SYNOPSIS

TABLE 7

FEDERAL EXPENDITURE ON S&T - BY MAIN BUDGET UNITS (1)  
TREASURY FUNDS - 1980-94

YEAR	CNPq	CAPES	EMBRAPA	MAER	CNEN	FNDCT	FIORUZ	IFES	INPE	OTHER	In US\$ million, 1994 (2)
											TOTAL
1980	115,1	19,7	196,8	17,1	54,1	212,7	18,0	53,2	22,5	305,2	1.014,5
1981	150,9	43,4	289,0	5,7	628,0	138,8	17,7	66,3	33,9	1.245,6	2.619,3
1982	185,1	52,9	396,5	22,5	598,5	279,1	24,4	167,2	47,2	1.080,9	2.854,3
1983	163,5	59,2	382,3	22,4	331,9	107,6	19,6	160,7	34,3	1.043,8	2.325,3
1984	155,2	52,7	465,1	34,6	270,2	89,4	23,3	130,9	30,6	749,8	2.001,7
1985	216,6	83,6	355,9	70,7	145,0	90,5	14,9	193,8	44,2	525,3	1.740,4
1986	225,9	94,5	368,1	14,0	341,3	163,9	21,6	320,5	68,1	759,9	2.377,8
1987	419,5	178,5	403,7	268,8	531,2	155,0	8,6	202,2	83,0	627,3	2.877,8
1988	485,5	230,4	423,0	462,6	326,9	138,0	51,3	157,4	73,6	726,4	3.075,2
1989	539,7	208,4	525,1	214,5	255,7	91,0	62,2	235,9	85,8	461,3	2.679,6
1990	431,3	151,5	442,7	265,0	190,4	61,4	53,7	164,4	69,1	368,0	2.197,6
1991	429,2	168,9	403,1	254,7	102,1	77,6	61,2	93,4	43,5	404,6	2.038,3
1992	341,7	182,9	294,4	74,3	103,1	43,6	59,4	49,6	43,8	360,1	1.552,8
1993	616,0	252,6	311,0	4,5	83,8	263,8	38,8	67,7	52,5	505,4	2.196,0
1994	593,7	382,1	282,4	132,2	107,8	98,1	94,5	78,5	77,5	352,1	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

NOTES: (1) Amortization and funding charges are not included;

(2) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

CNPq - NATIONAL COUNCIL FOR SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT

CAPES - FOUNDATION FOR THE IMPROVEMENT OF HIGHER EDUCATION PERSONNEL

EMBRAPA - BRAZILIAN ENTERPRISE FOR AGRICULTURAL AND LIVESTOCK RESEARCH

MAer - MINISTRY OF AERONAUTICS

CNEN - NATIONAL COMMITTEE ON NUCLEAR ENERGY

FNDCT - NATIONAL FUND FOR SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT

FIORUZ - OSVALDO CRUZ FOUNDATION

IFES - FEDERAL HIGHER EDUCATION INSTITUTIONS<sup>13</sup>

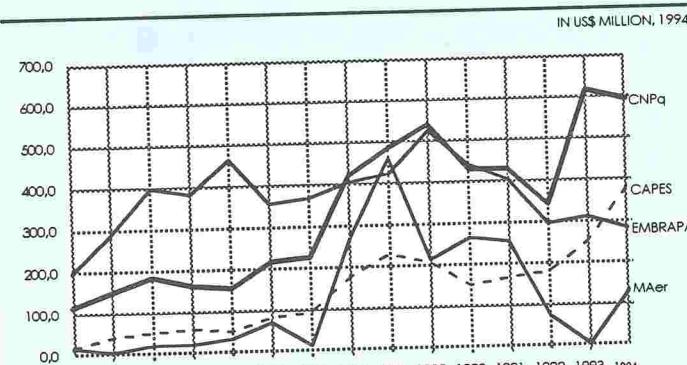
INPE - NATIONAL SPACE RESEARCH INSTITUTE

## SYNOPSIS

### Federal Expenditure on S&T 1980-94

GRAPH 12

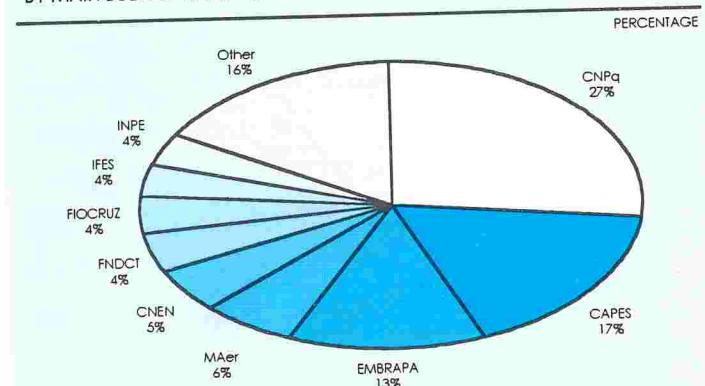
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET UNITS - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

GRAPH 13

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET UNITS - 1994



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

TABLE 8

FEDERAL EXPENDITURE ON S&T - BY MAIN SECTORS OF INVESTMENT  
TREASURY FUNDS - 1980-94

YEAR	S&T FUNDING AND PERFORMING % AGENCIES		HIGHER EDUCATION %		MILITARY EXPENSES %		OTHER %	TOTAL	In US\$ million, 1994 (1)
1980	347,4	34,2	53,2	5,2	85,3	8,4	528,5	52,1	1.014,5
1981	333,1	12,7	66,3	2,5	653,3	24,9	1.566,6	59,8	2.619,3
1982	517,1	18,1	167,2	5,9	661,1	23,2	1.508,9	52,9	2.854,3
1983	330,2	14,2	160,7	6,9	437,0	18,8	1.397,4	60,1	2.325,3
1984	297,3	14,8	130,9	6,5	391,3	19,5	1.182,3	59,1	2.001,7
1985	390,7	22,4	193,8	11,1	370,5	21,3	785,4	45,1	1.740,4
1986	506,5	21,3	320,5	13,5	560,7	23,6	990,1	41,6	2.377,8
1987	787,0	27,3	202,2	7,0	999,2	34,7	889,4	30,9	2.877,8
1988	871,7	28,3	157,4	5,1	1.025,2	33,3	1.020,9	33,2	3.075,2
1989	861,7	32,2	235,9	8,8	590,0	22,0	992,0	37,0	2.679,6
1990	653,5	29,7	164,4	7,5	579,5	26,4	800,2	36,4	2.197,6
1991	711,0	34,9	93,4	4,6	478,5	23,5	755,4	37,1	2.038,3
1992	648,3	41,7	49,6	3,2	240,6	15,5	614,3	39,6	1.552,8
1993	1.193,1	54,3	67,7	3,1	98,0	4,5	837,3	38,1	2.196,0
1994	1.121,5	51,0	78,5	3,6	292,0	13,3	706,9	32,1	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

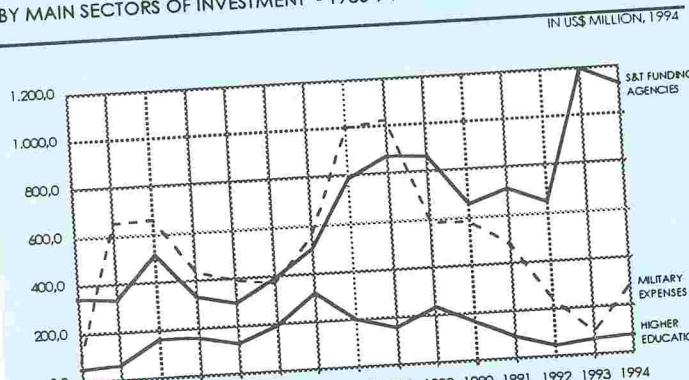
NOTE: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

## SYNOPSIS

### Federal Expenditure on S&T 1980-94

**GRAPH 14**

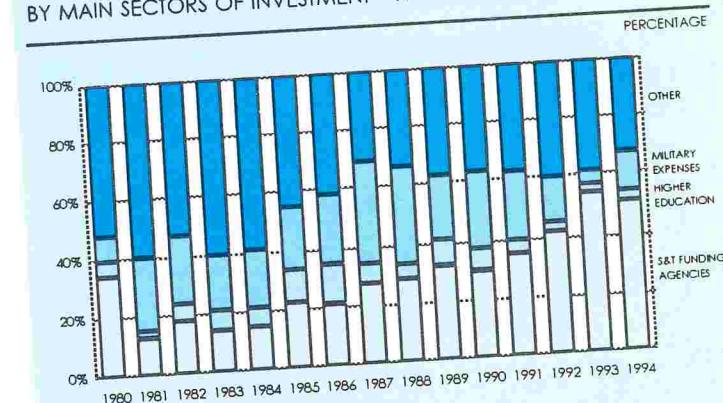
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN SECTORS OF INVESTMENT - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

**GRAPH 15**

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN SECTORS OF INVESTMENT - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

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TABLE 9

FEDERAL EXPENDITURE ON S&T - BY MAIN BUDGET FUNCTIONS  
TREASURY FUNDS - 1980-94

In US\$ million, 1994 (1)

YEAR	EDUCATION AND CULTURE	ADMINISTRATION AND PLANNING	AGRICULTURE	NATIONAL DEFENSE AND PUBLIC SAFETY	ENERGY AND MINERAL RESOURCES	HEALTH AND SANITATION	OTHER	TOTAL
1980	182,3	250,4	242,6	13,5	86,0	28,1	211,5	1.014,5
1981	189,0	229,6	368,2	13,1	1.130,5	44,3	644,7	2.619,3
1982	229,9	429,5	470,9	14,0	1.383,4	30,2	296,4	2.854,3
1983	220,6	411,1	455,5	12,3	1.073,7	25,0	127,1	2.325,3
1984	189,6	415,2	545,8	46,5	615,9	27,3	161,5	2.001,7
1985	284,2	592,2	431,9	61,9	251,3	19,3	99,7	1.740,4
1986	424,2	856,0	437,1	74,4	458,1	30,3	97,8	2.377,8
1987	393,9	1.130,5	450,4	237,5	562,5	22,6	80,4	2.877,8
1988	403,2	1.272,4	450,1	408,6	354,2	84,7	101,9	3.075,2
1989	451,4	1.161,7	538,2	108,7	255,7	81,9	82,0	2.679,6
1990	501,6	643,3	457,4	280,0	191,3	73,5	50,5	2.197,6
1991	463,0	636,7	409,1	282,7	107,4	85,5	53,8	2.038,3
1992	369,7	520,7	297,7	104,7	144,2	78,7	37,1	1.552,8
1993	634,9	844,2	451,1	12,0	145,0	75,1	33,7	2.196,0
1994	745,9	670,1	284,3	156,4	144,1	140,8	57,4	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

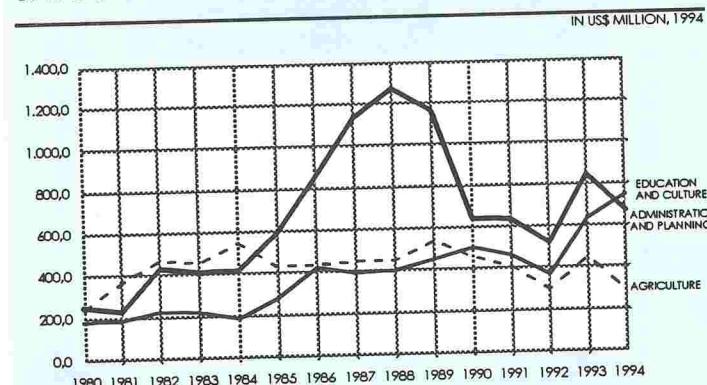
NOTE: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

## SYNOPSIS

### Federal Expenditure on S&T 1980-94

GRAPH 16

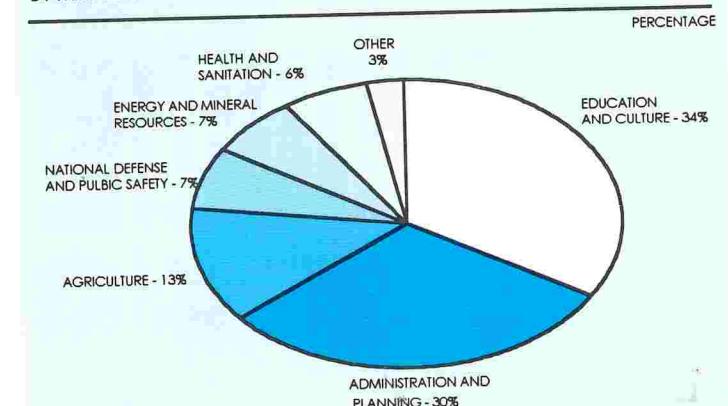
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET FUNCTIONS - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

GRAPH 17

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET FUNCTIONS - 1994



SOURCE: MCT/CNPq/SUP/COOE

## Federal Expenditure on S&T 1980-94

## SYNOPSIS

TABLE 10

FEDERAL EXPENDITURE ON S&T - BY MAIN BUDGET PROGRAMS  
TREASURY FUNDS - 1980-94

YEAR	SCIENCE AND TECHNOLOGY	HIGHER EDUCATION	HEALTH	OTHER	TOTAL
1980	655,1	73,7	25,8	259,9	1.014,5
1981	1.268,7	110,3	23,6	1.216,8	2.619,3
1982	1.458,7	220,6	29,7	1.145,3	2.854,3
1983	1.109,2	214,5	24,3	977,3	2.325,3
1984	1.108,9	184,2	26,7	681,9	2.001,7
1985	1.138,8	277,8	18,9	304,9	1.740,4
1986	1.633,3	416,9	27,6	300,0	2.377,8
1987	2.037,3	380,7	21,4	438,4	2.877,8
1988	2.025,2	390,7	71,5	587,9	3.075,2
1989	2.034,5	444,2	80,3	120,6	2.679,6
1990	1.294,5	497,7	73,5	331,8	2.197,6
1991	1.155,7	455,5	85,5	341,5	2.038,3
1992	944,7	366,8	77,3	164,0	1.552,8
1993	1.233,0	632,7	72,3	258,1	2.196,0
1994	1.243,1	741,9	140,0	74,0	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

NOTE: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

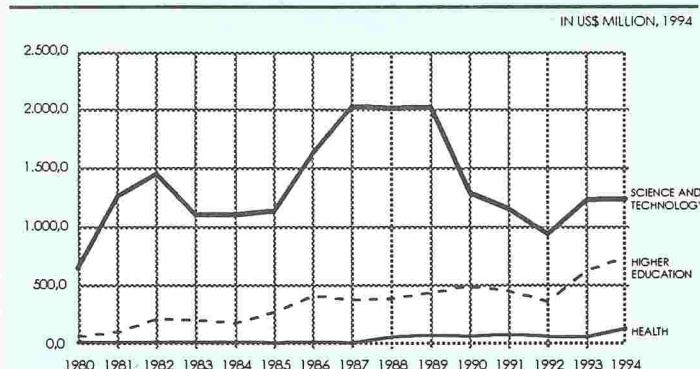
## SYNOPSIS

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### Federal Expenditure on S&T 1980-94

GRAPH 18

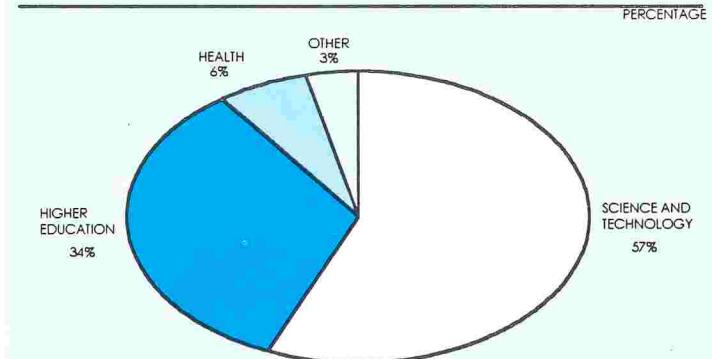
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET PROGRAMS - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

GRAPH 19

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET PROGRAMS - 1994



SOURCE: MCT/CNPq/SUP/COOE

## SYNOPSIS

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### *Federal Expenditure on S&T 1980-94*

**TABLE 11**

FEDERAL EXPENDITURE ON S&T - BY MAIN BUDGET SUBPROGRAMS  
TREASURY FUNDS - 1980-94

YEAR	GRADUATE EDUCATION	GENERAL ADMINISTRATION	BASIC RESEARCH	APPLIED RESEARCH	EXPERIMENTAL DEVELOPMENT	SOCIETAL PARTICIPATION	In US\$ million 1994 (1)	
							OTHER	TOTAL
1980	177,3	123,5	74,8	335,7	12,9	48,8	241,4	1.014,5
1981	184,0	122,6	77,4	1.285,6	11,6	610,6	327,5	2.619,3
1982	151,1	138,7	131,8	1.323,0	47,0	550,3	512,4	2.854,3
1983	141,8	137,4	114,5	1.295,4	46,2	263,6	326,3	2.325,3
1984	129,9	144,7	97,9	953,9	67,9	243,6	363,8	2.001,7
1985	184,8	153,0	137,1	708,1	104,4	94,9	358,2	1.740,4
1986	300,6	199,6	201,8	952,3	108,1	300,1	315,4	2.377,8
1987	236,8	330,6	167,3	803,9	58,8	457,3	823,0	2.877,8
1988	328,9	495,0	182,0	810,2	52,5	128,0	1.078,8	3.075,2
1989	294,4	871,1	180,5	447,2	137,7	79,0	669,6	2.679,6
1990	403,6	655,6	283,6	371,5	76,8	9,3	397,2	2.197,6
1991	410,4	527,5	278,2	364,6	48,1	39,5	370,0	2.038,3
1992	367,9	449,8	200,9	207,8	47,5	80,2	198,8	1.552,8
1993	613,1	462,4	363,6	330,3	59,8	60,8	306,1	2.196,0
1994	750,1	512,3	437,1	280,4	48,5	47,6	122,9	2.199,0

SOURCE: MCT/CNPq/SUP/COOE

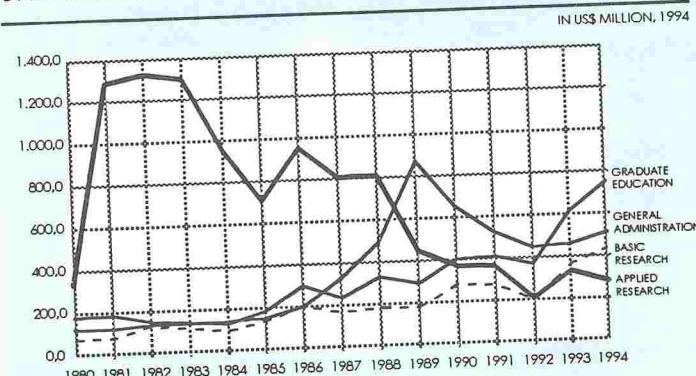
NOTE: (1) Values were updated based on GNP implicit price deflator and translated to dollars using the average exchange rate for 1994, provided by the Brazilian Central Bank (US\$ 1,00 = R\$ 0,645).

## SYNOPSIS

### Federal Expenditure on S&T 1980-94

**GRAPH 20**

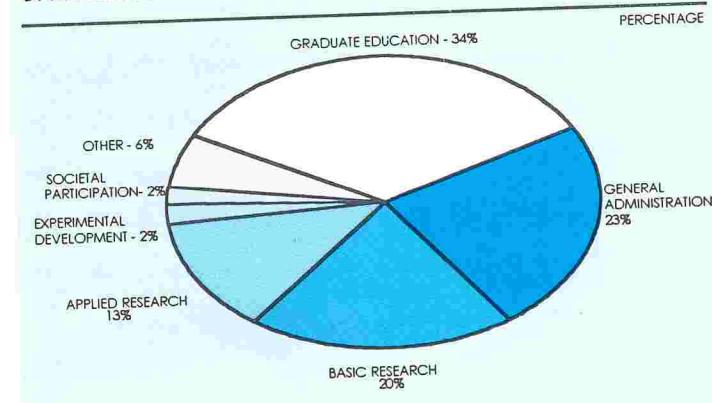
FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET SUBPROGRAMS - 1980-94



SOURCE: MCT/CNPq/SUP/COOE

**GRAPH 21**

SHARE OF FEDERAL EXPENDITURE ON SCIENCE AND TECHNOLOGY  
BY MAIN BUDGET SUBPROGRAMS - 1994



SOURCE: MCT/CNPq/SUP/COOE

