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**Detailed Table 3.1A**  
**Economic and demographic data and indices – Brazil & São Paulo State – 1995-2008**

Index	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Inflation indices</b>														
ICP-DI	117.49	130.53	140.85	146.33	162.89	183.33	204.53	232.15	285.07	311.88	330.48	336.18	353.27	392.94
ICP-DI (base: ano de 2008 = 1)	0.30	0.33	0.36	0.37	0.41	0.47	0.52	0.59	0.73	0.79	0.84	0.86	0.90	1.00
IPCA	1,141.20	1,321.00	1,412.50	1,457.60	1,528.40	1,636.10	1,748.00	1,895.70	2,174.70	2,318.10	2,477.40	2,581.00	2,675.00	2,826.90
IPCA (base: ano de 2008 = 1)	0.40	0.47	0.50	0.52	0.54	0.58	0.62	0.67	0.77	0.82	0.88	0.91	0.95	1.00
PPP USD	0.69	0.79	0.84	0.87	0.93	0.88	0.92	1.00	1.13	1.19	1.24	1.26	1.39	1.42
GDP implicit deflator 2008	0.35	0.40	0.43	0.45	0.49	0.52	0.57	0.63	0.72	0.77	0.83	0.88	0.93	1.00
IPC-FIPE	133.28	155.25	165.24	167.61	171.89	183.31	193.82	206.79	232.81	246.03	261.08	267.58	278.58	294.22
<b>GDP (in millions of current BRL)</b>														
Brazil	705,641.00	843,966.00	939,147.00	979,276.00	1,065,000	1,179,482	1,302,136	1,477,822	1,699,948	1,941,498	2,147,239	2,369,797	2,661,344	3,004,881
São Paulo State	263,298	307,924	344,891	353,085	383,250	424,161	463,478	511,736	579,847	643,487	726,984	802,655	902,784	1,019,319
<b>GFCF (in billions of current BRL)</b>														
Brazil	129.30	142.38	163.14	166.17	166.75	198.15	221.77	242.16	259.72	312.52	342.24	389.33	464.14	560.89
São Paulo State	48.24	51.95	59.91	59.92	60.01	71.26	78.94	83.85	88.59	103.58	115.87	131.87	157.45	190.27
<b>Population (in millions of inhabitants)</b>														
Brazil	158.88	161.32	163.78	166.25	168.75	170.14	172.39	174.63	176.88	179.11	181.34	183.55	185.74	189.58
São Paulo State	34.45	35.03	35.61	36.19	36.79	37.11	37.65	38.18	38.71	39.24	39.77	40.29	40.81	41.14

Source: IBGE; Seade; Fipe.

IGP-DI and IPCA: IBGE.

PPP USD: MCT Indicadores.

GDP implicit deflator: IBGE.

IPC-Fipe: Fipe.

GDP Brazil: IBGE; GDP São Paulo State: 1995-2007: Fundação Seade (Mar. 5, 2010); 2008 maintaining the same proportion of GDP Brazil as for 2007.

GFCF (Gross fixed capital formation) Brazil: IBGE; Sidra; GFCF São Paulo State: calculated from state GDP using percentage of GFCF Brazil.

Population: IBGE, projected population of Brazil by gender and age, 1980-2050 – 2008 revision.

**Detailed Table 3.2A**  
**Expenditure by federal research funding agencies – Brazil & São Paulo State – 1995-2008**

Year	Expenditure by federal research funding agencies (in millions of current R\$)								
	CNPq			CAPES			FINEP		
	Brazil	São Paulo State	SP / BR (%)	Brazil	São Paulo State	SP / BR (%)	Brazil	São Paulo State	SP / BR (%)
1995	500.3	181.3	36.2	354.5	78.9	22.3	36.8	10.6	28.8
1996	534.6	180.4	33.7	351.9	68.1	19.4	95.2	28.6	30.0
1997	513.1	160.1	31.2	440.1	78.7	35.6	58.5	16.5	28.2
1998	425.9	129.1	30.3	387.6	87.8	33.0	54.0	15.8	29.3
1999	441.1	117.2	26.6	463.0	96.4	20.8	45.4	11.9	26.2
2000	494.0	127.8	25.9	440.1	93.5	21.2	177.7	23.8	13.4
2001	581.2	144.8	24.9	426.8	105.6	23.1	318.6	46.9	14.7
2002	598.7	141.2	23.6	471.9	107.3	22.3	343.0	58.0	16.9
2003	651.2	169.1	26.0	460.9	137.6	28.4	188.0	67.0	35.6
2004	794.2	216.0	27.2	498.5	151.8	28.6	624.4	131.3	21.0
2005	852.1	244.7	28.7	581.7	169.9	27.7	836.7	134.3	16.1
2006	908.5	260.7	28.7	632.2	165.4	24.9	897.9	119.5	13.3
2007	1 199.2	310.5	25.9	681.2	196.8	27.0	1 393.3	257.6	18.5
2008	1 203.6	316.6	26.3	875.6	241.2	24.0	2 076.9	262.1	12.6

Source: CNPq; CAPES; FINEP.

CNPq:

- Expenditure in SP 1995-2000: data furnished by presidency of CNPq to Scientific Dept. of FAPESP on May 6, 2008
- Expenditure in SP 2001-2008: spreadsheet <ySaoPaulo2008.xls> on CNPq's stat. site, accessed July 1, 2009
- Total expenditure 2001-2008: spreadsheet <yBrasil2008> on CNPq's stat. site, accessed July 1, 2009

CAPES:

- Expenditure in SP 1995: FAPESP (1998)
- Expenditure in SP 1996-2001: data furnished by presidency of CNPq to Scientific Dept. of FAPESP on Aug. 26, 2008
- Expenditure in SP 2002-08: GeoCapes queried on July 22, 2009
- Total expenditure 1995-2000: <http://www2.camara.gov.br/orcamentobrasil/orcamentouniao/loa/execucao.html>
- Total expenditure 2001-08: spreadsheet detailing obligated funds processed for settlement, furnished by MCT Indicadores
- Total expenditure excludes Journal Portal (Portal de Periódicos), basic education, administrative expense

FINEP:

- Expenditure in SP 1995: FAPESP (1998)
- Expenditure in SP 1996-2008: series furnished by presidency of FINEP to Scientific Dept. of FAPESP on June 29, 2009
- Total expenditure 1996-2008: series furnished by presidency of FINEP to Scientific Dept. of FAPESP on June 29, 2009 (grants)

**Detailed Table 3.3A**  
**R&D expenditure, budgets and academic staff of state higher education institutions (HEIs) –**  
**São Paulo State – 1995-2008**

Budgets & academic staff of state HEIs in São Paulo	R&D expenditure (in millions of current R\$)															
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008		
<b>Total R&amp;D expenditure</b>	506.0	605.3	685.2	654.6	735.9	983.9	1,019.8	1,142.3	1,196.1	1,418.0	1,565.7	1,828.5	2,011.3	2,646.0		
<b>USP R&amp;D</b>	249.6	291.4	335.5	333.9	368.2	496.3	498.0	570.6	611.0	732.1	795.3	931.2	1,048.3	1,346.3		
Total budget	659.2	773.0	858.3	841.0	918.0	1,172.1	1,273.4	1,404.6	1,507.4	1,731.7	1,898.8	2,090.5	2,341.3	2,819.7		
Cost retirees	120.7	156.6	179.2	195.6	203.5	254.7	330.8	320.6	359.5	396.0	450.1	470.3	518.0	552.3		
Cost hospitals	47.2	58.6	62.1	69.3	70.0	82.2	100.3	123.4	137.5	131.4	147.2	166.4	188.4	220.5		
Cost museums	7.0	8.3	8.3	7.9	8.6	10.5	12.3	14.1	15.3	16.9	19.6	22.7	25.3	30.5		
Academic staff	5,056	4,953	4,852	4,705	4,728	4,694	4,755	4,884	4,953	5,078	5,222	5,247	5,435	5,434		
Full-time academic staff (RDIDP)	3,799	3,760	3,739	3,632	3,655	3,619	3,686	3,782	3,873	4,010	4,216	4,207	4,393	4,469		
Academics with PhDs	4,104	4,110	4,203	4,176	4,296	4,326	4,460	4,610	4,717	4,841	5,028	5,067	5,273	5,272		
Full-time academics with PhDs	3,152	3,177	3,236	3,344	3,312	3,418	3,451	3,562	3,679	3,787	3,919	4,130	4,282	4,389		
<b>Unicamp R&amp;D</b>	146.9	169.2	178.2	162.5	179.2	242.5	248.0	274.5	281.4	322.6	353.2	400.5	445.7	575.4		
Total budget	287.8	337.6	374.6	367.2	400.8	511.7	555.9	613.2	658.1	756.0	829.0	912.7	1022.2	1231.0		
Cost retirees	24.5	34.3	45.9	55.9	63.4	75.3	92.3	102.2	123.6	151.0	165.5	181.5	196.0	217.9		
Cost hospitals	63.3	72.1	83.6	86.5	89.5	100.2	121.4	132.4	144.4	157.9	176.8	181.8	205.9	222.2		
Cost museums	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Academic staff	1,996	1,955	1,928	1,893	1,857	1,826	1,758	1,779	1,688	1,736	1,751	1,761	1,743	1,727		
Full-time academic staff (RDIDP)	1,773	1,731	1,695	1,656	1,624	1,593	1,541	1,560	1,473	1,515	1,537	1,553	1,536	1,538		
Academics with PhDs	1,537	1,576	1,635	1,659	1,688	1,694	1,650	1,684	1,601	1,653	1,676	1,690	1,689	1,684		
Full-time academics with PhDs	1,773	1,731	1,695	1,656	1,624	1,593	1,541	1,560	1,473	1,515	1,537	1,553	1,515	1,520		
<b>Unesp R&amp;D</b>	103.4	131.5	156.7	144.1	172.1	226.8	249.3	266.2	278.1	335.7	384.0	463.0	487.3	693.3		
Total budget	307.3	360.5	400.0	392.1	428.0	546.4	593.6	654.8	702.7	807.3	885.2	974.6	1091.5	1303.5		
Cost retirees	47.0	63.3	77.9	99.4	109.1	141.5	153.2	170.9	187.6	215.8	238.9	254.4	290.8	310.6		
Cost hospitals	22.1	24.0	26.9	28.4	30.6	37.9	40.4	44.1	48.1	52.6	59.9	62.2	70.0	76.9		
Cost museums	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Academic staff	3,497	3,372	3,306	3,286	3,171	3,141	3,124	3,201	3,186	3,216	3,487	3,338	3,554	3,128		
Full-time academic staff (RDIDP)	3,281	3,168	3,120	3,079	2,936	2,899	2,886	2,826	2,701	2,785	2,804	2,866	2,874	2,884		
Academics with PhDs	1,977	2,050	2,154	2,192	2,308	2,431	2,528	2,619	2,670	2,793	3,041	3,010	3,135	2,927		
Full-time academics with PhDs	1,837	1,964	2,123	2,168	2,290	2,348	2,355	2,344	2,295	2,423	2,762	2,841	2,867	2,864		

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**Detailed Table 3.3A (continued)**  
**R&D expenditure, budgets and academic staff of state higher education institutions (HEIs) –**  
**São Paulo State – 1995-2008**

Budgets & academic staff of state HEIs in São Paulo	R&D expenditure (in millions of current R\$)													
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Famerp R&amp;D</b>	1.4	2.8	3.0	2.3	1.9	2.5	2.9	4.1	4.2	4.9	4.8	6.3	6.5	7.3
Total budget	7.3	16.9	15.2	14.6	15.0	15.5	17.9	24.4	23.5	24.1	23.6	28.3	29.4	30.5
Cost retirees	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost hospitals	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost museums	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academic staff	34	45	51	75	105	114	126	137	138	178	183	176	198	196
Full-time academic staff (RDIDP)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academics with PhDs	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Full-time academics with PhDs	8	9	12	14	16	22	25	28	30	44	45	47	53	57
<b>Famema R&amp;D</b>	2.8	7.3	8.3	8.4	10.2	10.9	15.6	18.2	15.0	15.2	17.3	18.9	23.5	23.7
Total budget	7.8	19.0	19.4	19.3	21.5	23.1	32.6	37.9	31.6	30.8	35.2	38.4	44.7	44.6
Cost retirees	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost hospitals	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost museums	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academic staff	189	191	187	188	182	180	176	174	172	174	175	168	165	162
Full-time academic staff (RDIDP)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academics with PhDs	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Full-time academics with PhDs	83	89	97	99	104	103	102	101	99	104	104	100	105	104
<b>Faenquil R&amp;D</b>	1.9	3.1	3.5	3.4	4.3	4.9	6.0	8.7	6.4	7.5	11.1	8.6	0.0	0.0
Total budget	5.9	10.0	11.0	10.0	10.0	11.8	11.6	16.1	12.4	12.4	17.6	12.5	...	...
Cost retirees	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost hospitals	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost museums	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academic staff	98	98	98	98	94	95	91	90	91	97	97	95	94	93
Full-time academic staff (RDIDP)	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academics with PhDs	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Full-time academics with PhDs	38	38	38	41	47	48	57	59	57	71	74	79	78	79

**Source:** State universities in São Paulo State (data furnished in response to request from FAPESP); colleges (data furnished in response to request from FAPESP).

**Notes:** 1) Calculated according to the methodology described in item 3.3.2 of this chapter.

(2) RDIDP = Regime de Dedicção Integral à Docência e à Pesquisa (full-time dedication to teaching and research)

**Detailed Table 3.4A**  
**R&D expenditure, budgets and academic staff of federal higher education institutions (HEIs) –**  
**São Paulo State – 1995-2008**

Budgets & academic staff of federal HEIs in São Paulo	R&D expenditure (in millions of current R\$)													
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total R&amp;D expenditure</b>	69.9	73.7	67	68.9	49.5	75.4	89.5	97.4	169.3	144.8	154.1	279.3	357.2	425.6
<b>UFSCar R&amp;D</b>	27.6	27.9	29	30.7	38.1	35.6	45	50.5	52.7	62.8	69.6	109.6	109.3	153.2
Total budget	62.9	59.3	59.1	61.7	71.4	76	86.1	92.5	97.1	117.7	129	180.8	193.5	244.4
Cost retirees	6.0	6.6	8.3	10.5	11.9	12.6	13.1	14.3	16	20.2	22.6	23.5	25.3	30.8
Cost hospitals	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academic staff	613	597	588	571	558	661	657	651	647	657	679	627	798	775
Full-time academic staff (RDIDP)	363	385	409	417	435	452	494	513	513	516	542	533	632	678
Academics with PhDs	...	...	...	...	...	547	549	553	550	534	533	191	673	...
Full-time academics with PhDs	374	374	374	374	374	374	413	436	436	472	495	593	603	669
<b>Unifesp (EPM) R&amp;D</b>	42.2	45.8	38.1	38.2	11.4	39.8	44.5	46.9	116.6	82	84.5	125.4	174.4	205.8
Total budget	177.4	198.6	185	177.5	162.2	275.5	300.1	329.2	370.5	467.4	511.3	581.7	666.4	695.5
Cost retirees	13.1	13.5	14.5	16.1	21.9	23.2	24.2	29.7	32.5	38.6	45.3	52.2	55.1	51.6
Cost hospitals	43.2	51.2	58.1	51.5	106.4	145.3	154	163.9	...	179.4	188.4	199.7	182.9	176.7
Academic staff	667	664	636	658	635	640	611	598	599	626	644	727	735	832
Full-time academic staff (RDIDP)	466	457	475	498	523	529	510	505	524	551	564	665	717	773
Academics with PhDs	...	...	...	...	...	606	596	625	572	546	619	1104	768	...
Full-time academics with PhDs	284	277	263	279	261	290	272	252	252	251	239	337	365	447
<b>UFABC R&amp;D</b>	...	...	...	...	...	...	...	...	...	...	...	44.3	73.5	66.6
Total budget	...	...	...	...	...	...	...	...	...	...	...	54	89.7	81.2
Cost retirees	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cost hospitals	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Academic staff	...	...	...	...	...	...	...	...	...	...	...	108	135	265
Full-time academic staff (RDIDP)	...	...	...	...	...	...	...	...	...	...	...	108	135	265
Academics with PhDs	...	...	...	...	...	...	...	...	...	...	...	108	135	265
Full-time academics with PhDs	...	...	...	...	...	...	...	...	...	...	...	108	135	265

Source: UFSCar; Unifesp; UFABC.

**Detailed Table 3.5A**  
**Gross fixed capital formation (GFCF) – Selected countries, 1981-2008**

Country	GFCF (in billions of current national currency)															
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994		
Australia	46.0	45.0	50.0	57.0	65.0	71.0	80.0	95.0	100.0	90.0	85.0	91.0	104.0	116.0		
Austria	20.8	20.1	20.7	21.3	23.1	24.1	25.6	27.6	30.0	32.7	36.4	37.8	38.2	41.1		
Belgium	18.6	19.0	18.5	19.6	21.4	22.2	23.7	27.9	32.8	36.6	35.8	37.1	36.8	37.9		
Canada	88.0	83.0	84.0	88.0	98.0	106.0	121.0	137.0	149.0	145.0	134.0	131.0	131.0	145.0		
China	134.0	150.0	172.0	215.0	267.0	314.0	380.0	470.0	442.0	483.0	607.0	851.0	1,331.0	1,731.0		
Denmark	72.0	86.0	96.0	112.0	133.0	157.0	162.0	155.0	163.0	166.0	165.0	162.0	156.0	170.0		
Finland	10.0	11.0	13.0	13.0	14.0	15.0	17.0	20.0	25.0	25.0	20.0	16.0	14.0	14.0		
France	112.0	124.0	129.0	135.0	144.0	156.0	169.0	190.0	209.0	223.0	228.0	223.0	209.0	214.0		
Germany	208	204	216.0	221.0	226.0	237.0	245.0	262.0	288.0	324.0	357.0	389.0	382.0	403.0		
Greece	2.0	2.0	3.0	3.0	4.0	5.0	5.0	6.0	7.0	9.0	11.0	12.0	13.0	14.0		
Finland	10.0	11.0	13.0	13.0	14.0	15.0	17.0	20.0	25.0	25.0	20.0	16.0	14.0	14.0		
France	112.0	124.0	129.0	135.0	144.0	156.0	169.0	190.0	209.0	223.0	228.0	223.0	209.0	214.0		
Greece	2.0	2.0	3.0	3.0	4.0	5.0	5.0	6.0	7.0	9.0	11.0	12.0	13.0	14.0		
Ireland	4.4	4.7	4.5	4.6	4.5	4.5	4.5	5.0	5.8	6.7	6.4	6.7	6.7	7.6		
Italy	63.0	70.0	77.0	87.0	96.0	103.0	112.0	127.0	140.0	156.0	167.0	171.0	157.0	163.0		
Japan	80,237.0	80,941.0	79,549.0	83,331.0	90,164.0	94,219.0	101,042.0	114,744.0	128,163.0	142,233.0	149,051.0	146,776.0	142,002.0	138,670.0		
Mexico	2.0	3.0	4.0	6.0	10.0	17.0	40.0	85.0	104.0	145.0	194.0	242.0	256.0	301.0		
Netherlands	35.0	35.0	37.0	39.0	42.0	45.0	46.0	51.0	53.0	55.0	57.0	59.0	58.0	60.0		
New Zealand	6.9	8.1	9.1	10.5	12.6	13.1	14.4	14.1	15.2	14.9	12.5	13.1	15.6	18.4		
Norway	96.6	107.6	121.8	130.0	134.9	155.4	170.9	181.4	175.1	154.0	154.2	151.2	164.1	174.4		
Portugal	3.0	4.0	4.0	4.0	5.0	6.0	8.0	10.0	12.0	14.0	15.0	16.0	16.0	17.0		
South Korea	13,745.0	16,012.0	19,444.0	22,011.0	24,300.0	28,021.0	33,985.0	41,121.0	50,027.0	69,557.0	88,300.0	95,445.0	106,116.0	124,477.0		
Spain	24.0	28.0	31.0	32.0	36.0	43.0	50.0	61.0	72.0	81.0	86.0	85.0	81.0	86.0		
Sweden	119.0	130.0	147.0	166.0	188.0	198.0	224.0	255.0	308.0	330.0	321.0	281.0	243.0	256.0		
Switzerland	51.6	52.9	57.7	61.0	64.1	69.9	73.5	80.5	88.3	94.1	95.4	86.1	82.2	86.0		
UK	43.0	47.0	51.0	59.0	64.0	69.0	79.0	96.0	111.0	114.0	105.0	101.0	101.0	108.0		
USA	625.0	615.0	657.0	768.0	824.0	858.0	885.0	936.0	989.0	1,003.0	967.0	1,017.0	1,102.0	1,208.0		

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**Detailed Table 3.5A (continued)**  
**Gross fixed capital formation (GFCF) – Selected countries, 1981-2008**

Country	GFCF (in billions of current national currency)																	
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008				
Australia	118.0	125.0	138.0	147.0	160.0	151.0	169.0	194.0	214.0	232.0	261.0	285.0	320.0	343.0				
Austria	41.7	43.9	44.4	46.1	46.7	50.0	49.6	47.6	50.3	51.2	53.5	55.7	60.9	64.6				
Belgium	40.0	41.0	44.2	46.3	49.1	52.4	52.9	51.4	51.7	56.8	61.5	66.8	72.5	78.1				
Canada	143.0	150.0	175.0	182.0	194.0	206.0	217.0	225.0	238.0	262.0	292.0	324.0	347.0	363.0				
China	2,089.0	2,405.0	2,597.0	2,857.0	3,053.0	3,384.0	3,775.0	4,363.0	5,349.0	6,512.0	7,730.0	9,015.0	10,322.0	14,177.0				
Denmark	189.0	200.0	222.0	240.0	242.0	263.0	266.0	271.0	272.0	285.0	304.0	349.0	377.0	376.0				
Finland	16.0	17.0	20.0	22.0	23.0	26.0	27.0	26.0	27.0	28.0	30.0	32.0	37.0	38.0				
France	217.0	220.0	222.0	238.0	258.0	282.0	293.0	291.0	301.0	321.0	345.0	374.0	410.0	428.0				
Germany	406.0	401.0	403.0	415.0	429.0	443.0	424.0	394.0	387.0	388.0	392.0	424.0	454.0	480.0				
Greece	15.0	18.0	20.0	23.0	26.0	29.0	32.0	35.0	41.0	42.0	43.0	48.0	51.0	47.0				
Ireland	9.2	11.1	13.6	16.8	20.9	24.3	26.2	28.1	31.1	36.1	43.1	47.6	50.1	39.2				
Italy	182.0	191.0	200.0	212.0	223.0	246.0	256.0	273.0	274.0	288.0	298.0	316.0	331.0	331.0				
Japan	138,090.0	142,907.0	142,903.0	130,559.0	126,793.0	126,634.0	122,805.0	114,334.0	111,783.0	113,159.0	116,885.0	118,467.0	120,670.0	117,168.0				
Mexico	325.0	495.0	679.0	882.0	1,068.0	1,288.0	1,274.0	1,322.0	1,431.0	1,689.0	1,850.0	2,143.0	2,322.0	2,598.0				
Netherlands	64.0	69.0	75.0	81.0	88.0	92.0	95.0	93.0	93.0	93.0	97.0	106.0	113.0	122.0				
New Zealand	20.6	21.5	21.4	20.7	22.9	23.6	26.0	28.0	31.7	35.6	38.1	39.1	41.4	40.2				
Norway	186.7	208.7	245.8	284.9	272.1	272.9	278.8	273.9	276.1	314.2	365.6	424.2	484.6	529.3				
Portugal	19.0	21.0	25.0	28.0	31.0	33.0	34.0	34.0	32.0	33.0	33.0	34.0	36.0	36.0				
South Korea	149,514.0	168,942.0	175,778.0	147,600.0	158,142.0	181,187.0	187,863.0	206,594.0	224,832.0	241,203.0	250,298.0	260,933.0	278,944.0	299,664.0				
Spain	96.0	101.0	110.0	124.0	142.0	163.0	177.0	192.0	213.0	236.0	267.0	301.0	326.0	322.0				
Sweden	285.0	295.0	298.0	327.0	362.0	397.0	406.0	406.0	410.0	432.0	476.0	529.0	582.0	616.0				
Switzerland	86.2	83.3	84.3	91.4	89.5	96.2	99.1	93.1	90.5	94.5	100.6	108.3	113.3	116.3				
U.K.	118.0	130.0	138.0	156.0	162.0	167.0	172.0	181.0	187.0	201.0	211.0	228.0	248.0	241.0				
USA	1,302.0	1,411.0	1,534.0	1,665.0	1,807.0	1,944.0	1,930.0	1,870.0	1,957.0	2,147.0	2,380.0	2,530.0	2,524.0	2,414.0				

Source: UNStats.



**Detailed Table 3.6A**  
**Business expenditure on R&D (BERD) – Selected countries, 1981-2008**

Country	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
Australia	0.40	...	0.51	0.72	0.95	1.28	1.46	1.80	1.99	2.10	2.36	2.86	3.12	3.51
Austria	0.50	...	...	0.63	0.68	...	...	...	0.98	...	...	...	1.29	...
Belgium	0.93	1.05	1.17	1.28	1.42	1.50	1.59	1.66	1.70	...	1.85	2.09	2.26	2.36
Canada	2.12	2.49	2.60	3.02	3.64	4.02	4.34	4.62	4.78	5.17	5.36	5.74	6.42	7.57
China	...	...	...	...	...	...	...	...	...	...	6.35	8.28	10.34	13.21
Denmark	2.22	2.74	3.25	3.75	4.25	4.89	5.53	6.03	6.54	7.40	8.25	8.70	9.15	...
Finland	0.24	...	0.35	0.44	0.52	0.59	0.67	0.79	0.92	1.04	0.98	0.99	1.05	1.25
France	5.61	6.61	7.33	8.38	9.48	10.14	10.90	11.84	13.21	14.48	15.29	16.13	16.34	16.55
Germany	13.39	14.63	15.37	16.18	18.51	19.66	21.13	22.19	23.56	24.54	26.25	26.58	25.93	25.91
Greece	0.00	...	...	...	...	0.02	...	0.02	0.03	...	0.05	...	0.08	...
Ireland	0.05	0.05	0.06	0.08	0.10	0.11	0.12	0.13	0.16	0.18	0.22	0.27	0.34	0.41
Italy	1.18	1.44	1.78	2.13	2.69	3.07	3.46	3.97	4.49	5.12	5.09	5.18	4.88	4.75
Japan	3,629.79	4,039.02	4,560.13	5,136.63	5,939.95	6,120.16	6,494.27	7,219.32	8,233.82	9,267.17	9,743.05	9,560.69	9,053.61	8,980.25
Mexico	...	...	...	...	...	...	...	...	0.42	...	0.85	0.12	0.29	1.05
Netherlands	1.61	1.70	1.87	1.92	2.23	2.53	2.70	2.77	2.76	2.67	2.50	2.48	2.61	2.92
New Zealand	...	...	...	...	...	...	...	...	0.20	0.20	0.19	0.20	0.25	...
Norway	0.10	0.11	0.12	0.13	0.13	0.16	0.17	0.18	0.18	0.15	0.15	0.15	0.16	0.17
Portugal	...	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.07	0.08	0.09	0.09	0.09
South Korea	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Spain	0.20	0.28	0.31	0.39	0.52	0.66	0.76	0.98	1.15	1.48	1.61	1.64	1.60	1.54
Sweden	8.48	...	11.73	...	17.00	...	20.40	...	23.73	...	28.60	...	34.09	...
Switzerland	3.14	...	3.45	...	...	5.45	...	...	6.21	...	...	6.37	...	...
UK	1.18	1.44	1.78	2.13	2.69	3.07	6.34	6.92	7.65	8.32	8.14	8.17	8.72	8.84
USA	50.43	57.17	63.68	73.06	82.38	85.93	90.16	94.89	99.86	107.40	114.68	116.76	115.44	117.39

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**Detailed Table 3.6A (continued)**  
**Business expenditure on R&D (BERD) – Selected countries – 1981-2008**

Country	BERD (in billions of current euros or national currency)																
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008			
Australia	4.36	4.23	4.22	4.09	4.14	4.98	6.19	6.94	7.77	8.68	10.43	12.55	...	...			
Austria	...	...	...	2.16	...	...	...	3.13	...	3.56	4.16	4.45	4.85	...			
Belgium	2.47	2.67	2.90	3.04	3.31	3.59	3.92	3.66	3.61	3.73	3.78	4.11	4.42	4.56			
Canada	7.99	8.00	8.74	9.68	10.40	12.40	14.27	13.55	14.10	15.25	15.77	16.02	15.88	15.98			
China	15.23	17.49	23.45	24.70	33.67	53.70	63.00	78.78	96.02	131.40	167.38	213.45	268.19	...			
Denmark	10.64	11.97	13.31	15.39	17.15	...	21.87	23.76	24.93	24.79	25.91	27.06	30.03	33.14			
Finland	1.37	1.66	1.92	2.25	2.64	3.14	3.28	3.38	3.53	3.68	3.88	4.11	4.51	4.66			
France	16.65	17.13	17.36	17.63	18.66	19.35	20.78	21.84	21.65	22.52	22.50	23.91	24.47	24.84			
Germany	26.82	27.21	28.91	30.33	33.62	35.60	36.33	36.95	38.03	38.36	38.65	41.15	43.03	45.70			
Greece	0.11	0.11	0.13	...	0.22	0.20	0.28	0.29	0.31	0.32	0.36	0.37	0.35	...			
Ireland	0.47	0.54	0.61	0.70	0.78	0.84	0.90	0.99	1.11	1.21	1.33	1.47	1.60	1.69			
Italy	4.93	5.29	5.38	5.53	5.68	6.24	6.66	7.06	6.98	7.29	7.86	8.21	9.45	9.45			
Japan	9,395.90	10,038.41	10,658.36	10,800.06	10,630.16	10,860.22	11,451.01	11,576.84	11,738.94	11,867.28	12,745.84	13,327.39	13,830.43	...			
Mexico	1.18	1.75	2.16	4.09	5.04	6.10	6.94	9.32	10.35	14.62	17.89	19.13	19.85	...			
Netherlands	3.13	3.34	3.71	3.72	4.26	4.46	4.71	4.54	4.80	5.07	5.17	5.48	5.50	...			
New Zealand	0.24	...	0.31	...	0.32	...	0.52	...	0.68	...	0.76	...	0.91	...			
Norway	0.19	0.21	0.25	0.28	0.27	0.27	0.28	0.27	0.28	0.31	0.37	0.42	0.48	0.53			
Portugal	0.10	0.11	0.13	0.16	0.18	0.26	0.33	0.33	0.34	0.40	0.46	0.74	1.01	1.26			
South Korea	6,960.32	7,963.61	8,845.31	7,972.07	8,511.16	10,254.66	12,273.58	12,975.35	14,509.66	17,019.81	18,564.24	21,126.78	23,864.89	...			
Spain	1.71	1.86	1.97	2.46	2.60	3.07	3.26	3.93	4.44	4.86	5.49	6.56	7.45	8.07			
Sweden	44.03	...	50.15	...	56.95	...	75.14	...	71.95	69.96	71.70	81.01	81.45	87.68			
Switzerland	...	7.06	...	...	...	7.89	...	...	...	9.66	...	...	...	...			
UK	9.12	9.30	9.56	10.13	11.30	11.51	11.98	12.47	12.68	12.67	13.31	14.31	16.11	17.46			
USA	129.83	142.37	155.41	167.10	182.09	199.96	202.02	193.87	200.72	208.30	226.16	247.67	269.27	289.11			

Source: OECD, Main Science and Technology Indicators.

**Detailed Table 3.7A**  
**R&D expenditure by type of institution and administrative jurisdiction of funding source – São Paulo State – 1995-2008**

Type of institution & administrative jurisdiction of funding source	R&D expenditure (in millions of 2008 R\$)													
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Total</b>	11,631.0	11,669.6	12,446.2	12,053.9	11,530.6	11,892.8	12,178.8	11,314.5	9,853.2	10,492.2	11,325.7	12,685.1	14,231.9	15,523.6
<b>Federal</b>	1,972.3	1,715.7	1,636.7	1,603.6	1,437.8	1,472.5	1,523.8	1,296.5	1,263.0	1,381.8	1,528.9	1,690.1	1,993.9	2,034.7
Federal HEIs	233.7	221.9	187.0	184.9	119.4	159.8	171.9	164.8	233.3	182.4	183.3	326.4	397.4	425.6
Federal IRS	832.9	659.5	737.6	793.7	774.3	793.0	780.7	612.9	514.5	570.6	693.1	726.1	745.8	789.2
Federal agencies	905.8	834.3	712.1	625.0	544.1	519.7	571.1	518.9	515.1	628.8	652.6	637.6	850.8	819.9
<b>State</b>	2,540.0	2,959.8	3,160.2	3,079.6	3,433.0	3,555.7	3,377.5	3,148.2	2,511.3	2,652.3	2,833.2	3,197.1	3,299.7	3,733.2
State HEIs	1,692.4	1,822.3	1,911.2	1,757.6	1,775.0	2,086.2	1,959.4	1,933.5	1,648.9	1,786.5	1,861.5	2,137.2	2,237.1	2,646.0
State IRS	520.2	514.4	538.6	503.6	506.3	492.3	470.9	443.8	373.4	369.5	418.9	449.9	459.6	449.3
State agency	327.4	623.0	710.3	818.4	1,151.7	977.1	947.3	770.9	489.1	496.3	572.8	609.9	602.9	637.9
<b>Private</b>	7,118.6	6,994.2	7,649.3	7,370.7	6,659.8	6,864.6	7,277.5	6,869.8	6,079.0	6,458.1	6,943.5	7,797.9	8,938.3	9,755.8
Business	7,058.8	6,938.2	7,593.3	7,310.0	6,578.1	6,745.8	7,145.1	6,731.2	5,959.7	6,312.9	6,766.3	7,589.1	8,713.1	9,553.3
Private HEIs	59.9	56.0	56.0	60.7	81.7	118.7	132.4	138.6	119.2	145.2	177.2	208.8	225.2	202.5

**Source:** CNPq; CAPES; FINEP; FAPESP; INEP; Cruesp; INPE; IPEN; CTI-Centra; LNLS; IPT; APTA; MCT; São Paulo State Depts. of Health and the Environment; IBCE, PINTEC 2000, 2003, 2005 (tabulations open to public access on respective institutional portals, or special tabulations requested by FAPESP); FAPESP (1998); São Paulo State Budget.

**Note:** (1) Inflator: IGP-DI. (2) RI = research institution; HEI = higher education institution.