

# MÉXICO EN EL MUNDO

## A.2.1 GASTO EN INVESTIGACIÓN Y DESARROLLO EXPERIMENTAL (GIDE), POR PAÍS

Millones de PPP corrientes

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	44,477.7	48,017.4	51,572.5	53,397.4	56 657.0	59,442.6	61,353.0	64,298.8	68,584.6	71860.8
Argentina	1,846.6	1,994.9	1,957.5	1,399.9	1,162.4	1,359.5	1,626.8	1,930.8	2,317.1	2,656.2
Brasil*	-	-	12,482.8	13,266.0	13,077.6	13,157.9	13,432.8	15,372.5	17,250.5	20,440.4
Canadá	13,550.9	14,810.9	16,734.2	19,028.9	19 142.1	20,163.9	21,821.5	23,188.0	23,829.2	23,877.2
Corea	14,788.9	15,792.6	18,386.5	21,156.5	22 506.8	23,965.6	27,931.6	30,618.3	35,949.6	41,741.6
Chile*	668.8	684.6	755.8	800.6	1,079.0	1,121.3	1,232.7	-	-	-
China	26,858.3	33,990.2	44,894.3	31,569.8	39,444.7	46,668.6	57,350.3	71,063.4	86,692.3	102,331.0
E. U. A.	228,108.5	245,475.8	267,767.5	278,230.0	277,054.5	289,736.0	300,840.0	323,853.0	348,658.0	368,799.0
España	6,431.9	6,814.7	7,704.0	8,320.0	9,808.5	10,909.7	11,791.8	13,330.8	15,647.2	18,000.3
Francia	30,559.2	31,823.3	33,819.2	36,623.4	38,152.9	36,861.1	38,000.0	39,235.7	41,161.4	43,232.6
Italia	14,297.2	14,240.8	15,420.2	16,608.9	17,268.9	17,297.1	17,489.2	17,999.0	19,678.1	-
Japón	91,062.3	92,773.7	98,783.0	104,024.5	108,166.2	112,279.9	117,501.2	128,694.6	138,930.1	147,800.8
<b>México</b>	<b>2,926.0</b>	<b>3,505.0</b>	<b>3,355.5</b>	<b>3,630.9</b>	<b>4,030.5</b>	<b>4,537.3</b>	<b>4,748.6</b>	<b>5,346.2</b>	<b>5,318.1</b>	<b>5,580.5</b>
Reino Unido	24,435.2	26,288.3	28,006.8	29,373.9	30,635.7	31,049.3	32,035.9	34,080.7	36,304.6	38,892.8
Suecia	-	8,114.2	-	10,434.6	10,366.2	10,366.2	10,455.9	10,509.9	11,700.9	12,076.3

- = dato no disponible.

Fuentes: OECD, Main Science and Technology Indicators, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.2 GASTO EN INVESTIGACIÓN Y DESARROLLO EXPERIMENTAL PER CÁPITA, POR PAÍS

Unidades de PPP

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	542.2	585.0	627.5	661.3	686.9	720.3	743.7	779.7	832.7	873.5
Argentina	51.3	54.8	53.2	49.9	41.0	35.8	42.4	49.8	59.2	67.2
Brasil	-	-	72.9	76.3	74.1	73.5	74.0	83.5	92.3	108.0
Canadá	449.3	487.1	545.3	613.3	610.2	636.6	682.0	717.6	729.8	724.1
Corea	319.5	338.8	391.1	449.3	472.6	500.8	581.4	636.1	744.3	861.4
Chile	44.6	45.0	49.1	51.4	68.5	70.4	76.6	-	-	-
China	21.5	27.0	35.4	41.1	51.0	36.0	43.9	54.1	65.6	77.0
E. U. A.	826.0	878.8	948.0	974.6	960.5	995.8	1,024.5	1,092.7	1,165.3	1,220.8
España	161.9	170.7	191.3	206.8	237.4	259.7	276.2	307.2	355.1	401.1
Francia	508.9	527.3	556.7	585.5	619.2	594.1	608.5	624.6	651.3	680.0
Italia	251.2	250.2	270.8	295.0	302.1	300.3	300.6	307.1	333.9	-
Japón	720.7	732.9	778.8	818.0	848.7	879.3	919.5	1,007.3	1,087.4	1,156.8
<b>México</b>	<b>30.7</b>	<b>36.2</b>	<b>34.1</b>	<b>36.4</b>	<b>39.9</b>	<b>44.9</b>	<b>46.1</b>	<b>51.4</b>	<b>50.7</b>	<b>52.8</b>
Reino Unido	417.9	448.0	475.6	493.8	516.4	521.4	535.4	566.0	599.2	639.9
Suecia	-	915.1	-	1,170.0	-	1,157.2	1,162.5	1,163.9	1,288.5	1,320.1

- = dato no disponible.

Fuentes: OECD, Main Science and Technology Indicators, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.3 GASTO EN INVESTIGACIÓN Y DESARROLLO EXPERIMENTAL COMO RELACIÓN DEL PIB, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	2.27	2.40	2.45	2.46	2.49	2.52	2.49	2.48	2.54	2.54
Argentina	0.41	0.45	0.44	0.42	0.39	0.41	0.44	0.46	0.50	0.51
Brasil	-	-	1.02	1.04	0.98	0.96	0.90	0.97	1.00	1.11
Canadá	1.76	1.79	1.92	2.09	2.04	2.04	2.08	2.05	1.98	1.88
Corea	2.34	2.25	2.39	2.59	2.53	2.63	2.85	2.98	3.22	3.47
Chile	0.5	0.51	0.53	0.53	0.68	0.67	0.67	-	-	-
China	0.65	0.76	0.90	0.95	1.07	1.13	1.23	1.33	1.42	1.49
E. U. A.	2.62	2.66	2.74	2.76	2.66	2.66	2.59	2.62	2.66	2.68
España	0.87	0.86	0.91	0.92	0.99	1.05	1.06	1.12	1.20	1.27
Francia	2.14	2.16	2.15	2.20	2.23	2.17	2.15	2.10	2.10	2.08
Italia	1.05	1.02	1.05	1.09	1.13	1.11	1.10	1.09	1.13	-
Japón	3.00	3.02	3.04	3.12	3.17	3.20	3.17	3.32	3.40	3.44
<b>México</b>	<b>0.38</b>	<b>0.43</b>	<b>0.37</b>	<b>0.40</b>	<b>0.40</b>	<b>0.41</b>	<b>0.40</b>	<b>0.41</b>	<b>0.38</b>	<b>0.37</b>
Reino Unido	1.79	1.87	1.86	1.83	1.82	1.75	1.69	1.73	1.76	1.79
Suecia	-	2.62	-	3.25	-	3.85	3.62	3.60	3.74	3.60

- = dato no disponible.

Fuentes: OECD, Main Science and Technology Indicators, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.4 GASTO EN INVESTIGACIÓN Y DESARROLLO EXPERIMENTAL (GIDE), POR PAÍS

Millones de PPP a precios constantes de 2000

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	45,341.8	48,765.5	51,572.5	52,352.6	53,701.3	54,240.0	54,147.6	54,535.7	57,306.2	58,811.4
Argentina	1,914.1	2,038.4	1,957.5	1,810.5	1,477.4	1,277.5	1,486.0	1,708.4	1,989.2	2,219.6
Canadá	13,823.9	14,894.1	16,734.2	18,581.3	18,665.3	18,985.3	19,972.2	20,265.9	20,177.1	19,688.5
Corea	15,147.3	15,944.9	18,386.5	20,658.9	21,732.7	23,285.5	26,381.2	28,779.8	32,737.7	37,017.1
China	27,840.4	34,731.2	44,894.3	51,202.6	62,874.3	43,462.0	52,007.6	60,656.9	70,220.3	87,087.9
E. U. A.	236,448.8	250,826.8	267,767.5	271,685.6	265,884.7	272,253.0	274,793.4	286,465.1	298,793.5	307,779.8
España	6,743.5	6,961.6	7,704.0	8,050.6	9,004.6	9,871.4	10,336.1	11,297.4	12,581.8	13,771.0
Francia	31,388.4	32,714.1	33,819.2	35,233.9	35,170.5	34,558.1	35,119.1	34,932.7	35,663.3	36,144.5
Italia	14,639.9	14,549.8	15,420.2	16,309.2	16,783.3	16,464.5	16,567.5	16,601.5	17,590.1	-
Japón	94,972.9	95,347.2	98,783.0	101,570.9	103,214.2	105,780.2	107,608.1	115,087.4	120,316.3	124,566.7
<b>México</b>	<b>3,777.4</b>	<b>3,930.2</b>	<b>3,355.5</b>	<b>3,431.1</b>	<b>3,560.1</b>	<b>3,692.8</b>	<b>3,549.4</b>	<b>3,836.1</b>	<b>3,569.9</b>	<b>3,576.9</b>
Reino Unido	25,294.6	27,103.6	28,006.8	28,286.0	28,651.4	28,795.0	82,583.5	29,941.7	31,223.9	32,875.5
Suecia	-	8,359.1	-	10,362.3	-	9,982.5	9,790.6	10,056.3	10,879.0	10,752.0

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.5 GIDE FINANCIADO POR LAS EMPRESAS, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	62.4	65.4	66.0	65.7	65.5	66.3	66.6	67.6	68.1	-
Argentina	27	25.8	23.3	20.8	24.3	26.3	30.7	31.0	29.4	29.3
Brasil	-	-	44.7	43.8	45.0	43.8	44.5	48.3	47.7	44.7
Canadá	45.7	44.9	44.9	50.3	51.4	50.4	50.0	48.9	49.6	49.4
Corea	69.1	70	72.4	72.5	72.2	74.0	75.0	75.0	75.4	73.7
Chile	16.2	17.1	23.0	24.9	33.3	43.6	45.8	-	-	-
China	-	-	57.6	-	-	60.1	65.7	67.0	69.1	70.4
E. U. A.	65.4	67.1	69.5	67.7	65.2	64.3	63.6	64.2	65.2	66.4
España	49.8	48.9	49.7	47.2	48.9	48.4	48.0	46.3	47.1	-
Francia	53.5	54.1	52.5	54.2	52.1	50.8	50.7	51.9	52.4	-
Japón	72.6	72.2	72.4	73.1	74.1	74.6	74.8	76.1	77.1	77.7
<b>México</b>	<b>23.6</b>	<b>23.6</b>	<b>29.5</b>	<b>29.8</b>	<b>34.6</b>	<b>31.1</b>	<b>38.6</b>	<b>41.5</b>	<b>45.2</b>	<b>44.6</b>
Reino Unido	47.6	48.5	48.3	45.5	43.5	42.2	44.1	42.1	45.2	47.2
Suecia	-	66.8	-	70.5	-	65.1	-	63.9	-	-

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.6 GIDE FINANCIADO POR EL GOBIERNO, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	34.8	32.1	31.4	31.4	31.6	31.2	30.5	28.4	27.8	-
Argentina	66.2	67.5	70.7	74.3	70.2	68.9	64.5	65.3	66.7	67.5
Brasil	-	-	54.1	54.8	53.3	54.2	53.5	49.7	50.4	52.9
Canadá	30.3	31.2	29.3	29.2	31.7	31.4	30.9	31.6	31.3	31.4
Corea	25.9	24.9	23.9	25.0	25.4	23.9	23.1	23.0	23.1	24.8
Chile	72.2	72.9	70.3	68.9	54.6	43.2	44.4	-	-	-
China	-	-	33.4	-	-	29.9	26.6	26.3	24.7	24.6
E. U. A.	30.2	28.4	25.8	27.2	29.1	30.0	30.8	30.1	29.1	27.7
España	38.7	40.8	38.6	39.9	39.1	40.1	41.0	43.0	42.5	-
Francia	37.3	36.9	38.7	36.9	38.3	39.0	38.7	38.6	38.4	-
Japón	19.3	19.6	19.6	19.0	18.4	18.0	18.1	16.8	16.2	15.6
<b>México</b>	<b>60.8</b>	<b>61.3</b>	<b>63.0</b>	<b>59.0</b>	<b>55.2</b>	<b>60.0</b>	<b>50.3</b>	<b>49.2</b>	<b>49.8</b>	<b>50.7</b>
Reino Unido	30.6	29.2	30.2	28.9	28.9	31.7	32.9	32.7	31.9	29.3
Suecia	-	23.5	-	20.3	-	24.3	-	24.4	-	-

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.7 GIDE FINANCIADO POR OTROS SECTORES NACIONALES, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.4	0.4	0.4	0.43	0.5	0.3	0.4	0.3	0.4	-
Argentina	3.8	4.2	4.4	3.7	4.3	3.5	3.7	2.9	3.2	2.5
Brasil	-	-	1.2	1.3	1.7	2.0	2.1	2.0	2.0	2.4
Canadá	8.1	8.6	8.4	7.9	8.8	9.5	9.8	10	10.2	10.2
Corea	4.9	5.1	3.6	2.1	2.0	1.7	1.4	1.3	1.2	1.3
Chile	6.2	4.7	1.9	2.1	0.7	1.2	1.1	-	-	-
E. U. A.	4.4	4.5	4.6	5.1	5.6	5.7	5.6	5.7	5.7	5.8
España	4.8	4.7	6.8	5.3	5.2	5.8	4.8	5.0	4.5	-
Francia	1.8	1.9	1.6	1.7	1.6	1.9	1.8	1.9	2.2	-
Japón	7.8	7.8	7.6	7.5	7.2	7.0	6.8	6.8	6.4	6.3
<b>México</b>	<b>8.1</b>	<b>9.8</b>	<b>6.5</b>	<b>9.8</b>	<b>9.4</b>	<b>8.2</b>	<b>8.2</b>	<b>8.2</b>	<b>3.4</b>	<b>3.3</b>
Reino Unido	4.9	5.0	5.5	5.9	6.1	5.8	5.9	5.9	5.9	5.8
Suecia	-	3.2	-	2.6	-	3.3	-	3.6	-	-

- = dato no disponible.

Fuentes: OECD, *Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.8 GIDE EJECUTADO POR LAS EMPRESAS, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	67.9	69.8	70.3	69.9	69.2	69.7	69.8	69.3	69.9	69.9
Argentina	30.2	28.3	25.9	22.8	26.1	29.0	33.0	32.2	30.4	30.3
Brasil	-	-	40.1	39.2	40.4	39.6	-	-	-	-
Canadá	60.2	59.0	60.3	61.6	57.5	57.1	57.0	56.1	56.2	56.0
Corea	70.3	71.4	74.0	76.2	74.9	76.1	76.7	76.9	77.3	76.2
Chile	10.6	10.9	14.9	14.9	35.8	44.1	46.1	-	-	-
China	44.8	49.6	60.0	60.4	61.2	62.4	66.8	68.3	71.1	72.3
E. U. A.	73.8	74.2	74.7	72.6	70.0	69.3	69.2	69.8	71.0	71.9
España	52.1	52.0	53.7	52.4	54.6	54.1	54.4	53.8	55.5	55.9
Francia	62.3	63.2	62.5	63.2	63.3	62.6	63.1	62.1	63.1	63.2
Italia	48.3	49.3	50.1	49.1	48.3	47.3	47.8	50.4	48.8	-
Japón	71.2	70.7	71.0	73.7	74.4	75.0	75.2	76.4	77.2	77.9
<b>México</b>	<b>28.2</b>	<b>25.5</b>	<b>29.8</b>	<b>30.3</b>	<b>34.0</b>	<b>30.7</b>	<b>42.7</b>	<b>46.9</b>	<b>48.9</b>	<b>47.5</b>
Reino Unido	65.6	66.8	65.0	65.5	64.8	63.7	62.6	61.4	61.7	64.1
Suecia	-	74.1	-	77.2	-	74.4	73.5	72.7	74.7	73.8

- = dato no disponible.

Fuentes: OECD, *Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.9 GIDE EJECUTADO POR EL GOBIERNO, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	14.7	13.8	13.6	13.7	13.7	13.4	13.7	14.1	13.9	13.9
Argentina	39.5	39.0	38.3	39.9	37.2	41.1	39.7	39.7	40.7	38.9
Brasil	-	-	35.1	23.5	20.6	21.6	21.3	-	-	-
Canadá	12.2	11.9	11.3	10.4	10.5	9.6	8.8	9.7	9.9	9.9
Corea	17.5	14.5	13.3	12.4	13.4	12.6	12.1	11.9	11.6	11.7
Chile	39.4	37.6	40.4	40.4	11.0	11.3	10.2	-	-	-
China	42.6	38.5	31.5	29.7	28.7	27.1	23.0	21.8	19.7	19.2
E. U. A.	11.5	11.0	10.3	11.3	12.1	12.3	12.2	11.9	11.3	10.7
España	16.3	16.9	15.8	15.9	15.4	15.4	16.0	17.0	16.7	17.6
Francia	18.6	18.1	17.3	16.5	16.5	16.7	17.0	17.8	16.5	16.5
Italia	20.2	19.2	18.9	18.4	17.6	17.5	17.8	17.3	17.2	-
Japón	9.2	9.9	9.9	9.5	9.5	9.3	9.5	8.3	8.3	7.8
<b>México</b>	<b>36.8</b>	<b>45.0</b>	<b>41.7</b>	<b>39.1</b>	<b>25.0</b>	<b>28.4</b>	<b>25.9</b>	<b>23.2</b>	<b>15.9</b>	<b>16.5</b>
Reino Unido	13.4	12.2	12.6	10.0	9.2	10.4	10.7	10.6	10.0	9.2
Suecia	-	3.4	-	2.8	-	3.5	3.1	5.0	4.5	4.8

- = dato no disponible.

Fuentes: OECD, *Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.10 GIDE EJECUTADO POR INSTITUCIONES DE EDUCACIÓN SUPERIOR, POR PAÍS

Porcentaje

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	17.4	16.5	16.1	16.4	17.0	16.9	16.5	16.5	16.3	16.2
Argentina	28.5	30.4	33.5	35.0	33.9	27.4	25.0	25.8	26.5	28.8
Brasil	-	-	24.8	37.2	38.9	38.8	38.4	-	-	-
Canadá	27.2	28.8	28.1	27.7	31.7	32.9	33.8	33.8	33.5	33.7
Corea	11.2	12.0	11.3	10.4	10.4	10.1	9.9	9.9	10.0	10.7
Chile	48.9	50.4	43.8	43.8	38.8	29.5	32.0	-	-	-
China	10.4	9.4	8.6	9.8	10.1	10.5	10.2	9.9	9.2	8.5
E. U. A.	11.5	11.5	11.5	12.1	13.4	14.0	14.3	14.0	13.5	13.3
España	30.5	30.1	29.6	30.9	29.8	30.3	29.5	29.0	27.6	26.4
Francia	17.6	17.2	18.8	18.9	18.9	19.4	18.6	18.8	19.2	19.2
Italia	31.4	31.5	31.0	32.6	32.8	33.9	32.8	30.2	30.3	-
Japón	14.8	14.8	14.5	14.5	13.9	13.7	13.4	13.4	12.7	12.6
<b>México</b>	<b>31.6</b>	<b>26.3</b>	<b>28.3</b>	<b>30.4</b>	<b>39.7</b>	<b>39.7</b>	<b>30.3</b>	<b>28.7</b>	<b>9.3</b>	<b>9.3</b>
Reino Unido	19.7	19.6	20.6	22.7	24.0	24.0	24.7	25.7	26.1	24.5
Suecia	-	21.4	-	19.8		21.8	22.9	22.0	20.6	21.3

- = dato no disponible.

Fuentes: OECD, *Main Science and Technology Indicators*, 2009-1 y previos. Cifras para México con cálculos propios.

\* Sitio web de RICYT.

## A.2.11 GIDE POR TIPO DE ACTIVIDAD, POR PAÍS

Porcentaje

País	Investigación básica	Investigación aplicada	Desarrollo experimental
Alemania (2003) <sup>1/</sup>	4.5	51.7	43.8
Argentina (2007)	29.3	42.7	28.0
Chile (2004)	35.7	49.0	15.3
China (2007)	4.7	13.3	82.0
Corea (2007)	15.7	19.8	64.4
E. U. A. (2007)	20.2	43.6	36.3
España (2006) <sup>1/</sup>	19.1	43.2	37.6
Francia (2007)	25.1	39.2	35.7
Italia (2007)	28.7	44.7	26.6
Japón (2007)	13.2	23.2	63.6
<b>México (2003)</b>	<b>26.5</b>	<b>32.2</b>	<b>41.3</b>
Portugal (2007)	18.5	35.7	45.8
Reino Unido (2003) <sup>2/</sup>	8.3	36.9	54.8
República Checa (2004)	26.4	28.5	45.1
Suiza (2000)	28.0	35.8	36.3

<sup>1/</sup> El dato corresponde a GIDE de las empresas.

<sup>2/</sup> El dato corresponde a GIDE de las empresas y el gobierno.

Fuentes: OCDE, *Research and Development Statistics*, 2005 Edition, así como bases de datos OCDE.

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## A.2.12 GASTO EN INVESTIGACIÓN BÁSICA, POR PAÍS

Porcentaje de PIB

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Argentina	0.12	0.11	0.12	0.12	0.10	0.11	0.11	0.12	0.14	0.15
Australia	0.39	-	0.39	-	0.40	-	0.40	-	0.45	-
Corea	0.33	0.31	0.30	0.33	0.35	0.38	0.44	0.46	0.49	0.55
China	0.03	0.04	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.05
E. U. A.	0.41	0.42	0.44	0.47	0.49	0.50	0.48	0.49	0.47	0.47
España	-	0.15	0.15	0.15	0.15	0.21	0.20	0.20	0.19	-
Francia	0.54	0.53	0.51	0.51	0.52	0.52	0.51	0.50	0.50	-
Italia	-	-	-	-	-	-	-	0.30	0.33	-
Japón	0.36	0.37	0.38	0.38	0.40	0.40	0.38	0.40	0.40	0.40
<b>México</b>	<b>-</b>	<b>-</b>	<b>0.10</b>	<b>0.11</b>	<b>-</b>	<b>0.09</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Portugal	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.18	-	-
Israel	0.69	0.74	0.74	0.71	0.73	0.72	0.68	0.67	0.65	0.78

- = dato no disponible.

Fuentes: OECD, *Main Science and Technology Indicators*, 2009-1 y previos.

## A.2.13 GASTO PRESUPUESTAL DEL GOBIERNO EN IDE, POR PAÍS

Millones de PPP

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	16,215.4	16,742.6	16,786.8	17,228.4	17,769.8	18,638.2	18,911.6	19,865.0	20,512.3	21,836.3
Argentina	905.1	904.4	831.6	756.9	665.3	762.8	841.5	1,035.0	1,223.1	1,521.9
Canadá	4,105.1	4,439.0	4,568.7	5,353.7	5,566.4	5,903.4	6,183.0	6,777.1	6,901.0	..
Corea	-	4,337.1	5,007.2	5,924.5	6,701.1	7,008.9	7,679.3	8,539.3	9,502.6	10,854.5
E. U. A.	73,568.7	77,637.1	83,612.5	91,505.1	103,056.7	114,866.1	126,270.5	131,259.0	136,019.0	141,890.3
España	4,022.6	4,415.4	5,117.2	6,029.3	7,323.4	7,632.4	8,824.6	9,979.8	12,976.8	15,271.9
Francia	13,708.2	13,893.8	15,123.5	16,524.3	17,125.4	16,863.4	16,934.1	18,084.5	15,854.3	15,493.0
Israel	1,147.8	1,179.1	1,336.9	1,411.8	1,118.8	1,167.9	1,155.4	1,059.3	1,112.6	1,112.2
Italia	7,667.1	7,512.6	9,475.5	10,338.7	-	-	-	11,050.6	10,637.8	11,664.8
Japón	18,202.5	19,481.7	21,198.8	23,213.9	24,652.7	25,752.8	26,864.0	27,617.8	28,748.3	29,227.3
<b>México</b>	<b>1,778.2</b>	<b>2,028.8</b>	<b>2,114.6</b>	<b>2,143.9</b>	<b>2,223.6</b>	<b>2,704.9</b>	<b>2,368.9</b>	<b>2,599.4</b>	<b>2,731.9</b>	<b>2,793.9</b>
Portugal	838.8	991.7	1,096.5	1,184.5	1,272.2	1,200.5	1,279.4	1,581.1	1,645.0	1,887.5
Reino Unido	9,024.0	9,615.5	10,414.1	10,881.5	12,872.8	13,137.4	13,174.9	13,228.0	13,805.0	-
Suecia	1,624.1	1,626.1	1,720.2	2,053.0	2,278.6	2,492.3	2,533.2	2,535.0	2,671.6	2,701.9

Cifras de México con cálculos propios.

- = dato no disponible.

Fuentes: OECD, Main Science and Technology Indicators, 2009-1 y previos.

## A.2.14 TOTAL DE INVESTIGADORES, POR PAÍS

Número de investigadores en equivalente de tiempo completo

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	237,712	254,691	257,874	264,385	265,812	268,942	270,215	272,148	279,452	284,305
Argentina	25,419	26,004	26,420	25,656	26,083	27,367	29,471	31,868	35,040	38,681
Brasil	-	-	64,002	67,783	71,806	79,301	86,932	109,420	116,669	124,882
Canadá	95,250	98,813	108,492	114,640	115,960	122,550	127,840	134,300	-	-
Corea	92,541	100,210	108,370	136,337	141,917	151,254	156,220	179,812	199,990	221,928
Chile	5,439	5,549	5,629	5,712	6,942	12,322	13,427	-	-	-
China	485,500	531,100	695,062	742,726	810,525	862,108	926,252	1,118,698	1,223,756	1,423,381
E. U. A.	-	1,260,920	1,289,782	1,319,705	1,342,454	1,430,551	1,393,523	1,387,882	1,425,550	-
España	60,269	61,568	76,670	80,081	83,318	92,523	100,994	109,720	115,798	122,624
Francia	155,727	160,424	172,070	177,372	186,420	192,790	202,377	202,507	211,129	-
Italia	65,354	65,098	66,110	66,702	71,242	70,332	72,012	82,489	88,430	-
Japón	652,845	658,910	647,572	675,898	646,547	675,330	677,206	704,949	709,691	709,974
<b>México</b>	<b>20,832</b>	<b>21,879</b>	<b>22,228</b>	<b>23,390</b>	<b>31,132</b>	<b>33,558</b>	<b>39,724</b>	<b>43,922</b>	<b>36,325</b>	<b>37,949</b>
Reino Unido	157,662	163,108	161,352	167,019	174,433	178,035	176,040	174,557	176,213	175,476
Suecia	-	39,921	-	45,995	-	48,186	48,784	55,090	55,729	47,762

Cifra de México es estimación de Conacyt.

- = dato no disponible.

Fuentes: OECD, Main Science and Technology Indicators, 2009-1 y previos.

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## A.2.15 TOTAL DE INVESTIGADORES POR CADA MIL INTEGRANTES DE LA PEA

Número de personas en equivalente de tiempo completo

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	6.27	6.63	6.59	6.72	6.8	6.94	6.95	7.00	7.15	7.15
Argentina	2.21	2.23	2.25	2.25	2.21	2.19	2.33	2.46	2.65	2.86
Brasil	-	-	0.70	0.79	-	-	-	-	-	-
Canadá	6.64	6.71	7.21	7.54	7.44	7.70	7.89	8.16	-	-
Corea	4.65	4.94	5.13	6.32	6.41	6.84	6.93	7.88	8.65	9.48
Chile	1.05	1.04	1.06	1.06	-	-	-	-	-	-
China	0.69	0.74	0.96	1.02	1.10	1.16	1.23	1.48	1.60	1.85
E. U. A.	-	9.29	9.27	9.48	9.67	10.21	9.84	9.64	9.72	-
España	4.04	3.94	4.67	4.73	4.81	5.18	5.46	5.69	5.78	5.95
Francia	6.70	6.77	7.07	7.16	7.48	7.73	8.10	8.06	8.33	-
Italia	2.94	2.89	2.88	2.85	2.99	2.91	2.97	3.38	3.56	..
Japón	9.81	10.03	9.92	10.44	10.14	10.63	10.64	11.03	11.05	11.02
<b>México</b> <sup>1/</sup>	<b>0.56</b>	<b>0.55</b>	<b>0.57</b>	<b>0.59</b>	<b>0.78</b>	<b>0.81</b>	<b>0.95</b>	<b>1.02</b>	<b>0.82</b>	<b>0.83</b>
Reino Unido	5.50	5.60	5.40	5.60	5.80	5.90	5.70	5.60	5.60	5.60
Suecia	-	9.60	-	10.50	-	11.00	11.20	12.70	12.60	10.60

<sup>1/</sup>Cifra de México con cálculos propios; cifra de PEA proveniente de INEGI.

- = dato no disponible.

Fuentes: OECD, Main Science and Technology Indicators, 2009-1 y previos.

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## A.2.16 ARTÍCULOS CIENTÍFICOS PUBLICADOS ANUALMENTE, POR PAÍS

Número

País	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Alemania	67,087	67,256	69,131	67,464	73,050	69,111	78,990	77,256	75,434	86,112
Argentina	4,141	4,402	4,528	4,825	4,906	4,560	5,414	5,416	5,548	6,750
Brasil	10,042	10,465	11,530	12,884	14,211	14,940	17,640	19,223	19,439	30,021
Canadá	34,083	33,629	33,695	34,216	38,523	37,626	44,698	45,740	45,911	52,257
Chile	1,797	1,906	2,102	2,265	2,701	2,510	3,185	3,255	3,282	4,157
China	26,639	30,027	34,209	39,383	47,918	54,794	73,384	83,037	89,793	112,318
Colombia	540	639	668	728	743	762	954	1,063	1,074	1,987
Corea	12,168	13,447	15,881	17,072	21,084	22,662	27,754	28,269	27,241	35,391
E.U.A.	257,194	254,924	261,808	259,142	283,059	271,546	306,852	304,572	297,911	332,916
España	21,962	22,221	23,683	24,575	27,037	27,330	31,473	33,400	33,837	41,362
Francia	49,222	48,048	49,387	47,631	52,674	48,826	56,063	54,662	53,232	63,321
Grecia	4,547	4,871	5,611	5,683	6,709	6,888	7,990	8,743	9,111	10,453
India	17,658	16,535	18,150	19,112	21,487	21,583	26,027	27,713	29,497	38,366
Italia	31,106	31,149	33,393	33,763	38,035	37,297	42,010	42,229	43,332	49,841
Japón	72,445	72,031	74,478	73,396	80,551	73,419	80,536	76,533	73,469	79,388
<b>México</b>	<b>4,739</b>	<b>4,861</b>	<b>5,209</b>	<b>5,514</b>	<b>6,234</b>	<b>6,399</b>	<b>7,357</b>	<b>7,225</b>	<b>7,471</b>	<b>9,294</b>
Polonia	9,429	9,751	10,813	11,283	12,924	13,384	14,609	14,694	13,582	19,362
Portugal	3,005	3,139	3,631	3,808	4,678	4,969	5,540	6,657	6,110	7,757
Reino Unido	70,338	71,720	71,106	68,737	74,931	71,787	80,666	79,988	80,384	88,824
Turquía	5,208	5,301	6,469	8,482	10,736	12,428	15,045	14,890	15,883	20,563
Venezuela	976	965	1,044	1,019	1,177	1,031	1,135	1,072	1,059	1,429
<b>Total Mundial</b>	<b>762,325</b>	<b>761,438</b>	<b>781,673</b>	<b>782,333</b>	<b>862,844</b>	<b>837,651</b>	<b>962,961</b>	<b>966,312</b>	<b>962,268</b>	<b>1,136,676</b>

Fuente: Institute for Scientific Information, 2009.

## A.2.17 CITAS RECIBIDAS EN ANÁLISIS QUINQUENAL, POR PAÍS

Número

País	95-99	96-00	97-01	98-02	99-03	00-04	01-05	02-06	03-07	04-08
Alemania	1,290,367	1,388,442	1,502,158	1,601,045	1,708,749	1,761,674	1,920,793	2,031,526	2,148,535	2,339,575
Argentina	39,899	45,723	53,263	56,881	63,625	67,860	75,893	81,947	89,104	101,382
Brasil	77,027	86,653	101,402	120,822	140,252	158,415	187,545	218,039	246,344	297,868
Canadá	747,720	775,273	803,805	829,742	877,713	902,487	982,144	1,067,991	1,171,099	1,304,505
Chile	21,530	23,104	26,582	31,691	35,599	39,837	47,827	55,009	61,632	68,499
China	145,423	175,897	218,999	269,826	346,443	430,283	574,787	736,483	936,575	1,205,890
Colombia	7,119	6,994	7,455	8,159	8,721	9,556	10,944	12,714	14,882	19,098
Corea	78,882	99,197	127,297	159,059	199,337	235,855	291,053	342,381	394,187	464,975
E.U.A.	7,069,442	7,176,184	7,427,805	7,606,107	7,998,571	8,174,620	8,818,817	9,266,145	9,730,584	10,358,305
España	297,939	336,733	378,696	417,081	463,332	492,070	555,121	623,314	696,119	808,031
Francia	921,264	971,026	1,035,580	1,082,776	1,137,355	1,165,062	1,257,756	1,315,853	1,389,208	1,514,988
Grecia	48,208	53,425	60,197	68,063	77,472	87,683	102,338	119,796	138,604	165,950
India	108,074	116,234	127,944	145,715	165,476	187,545	227,122	267,807	312,036	379,985
Italia	556,395	601,299	654,916	701,559	753,310	785,853	879,466	961,662	1,037,038	1,162,862
Japón	1,091,537	1,162,190	1,262,766	1,342,542	1,436,105	1,479,961	1,588,315	1,634,135	1,693,742	1,762,080
<b>México</b>	<b>40,267</b>	<b>44,899</b>	<b>51,719</b>	<b>58,685</b>	<b>66,278</b>	<b>72,406</b>	<b>82,744</b>	<b>92,963</b>	<b>103,781</b>	<b>120,252</b>
Polonia	91,698	97,328	108,304	123,733	140,659	155,659	180,406	200,476	221,940	249,696
Portugal	29,073	33,836	41,459	49,120	58,842	66,183	79,851	92,711	107,790	131,154
Reino Unido	1,531,141	1,598,988	1,709,342	1,790,098	1,900,993	1,964,251	2,110,676	2,239,237	2,354,063	2,560,725
Turquía	24,319	29,271	35,257	44,015	56,329	70,951	95,074	119,816	145,373	179,389
Venezuela	8,113	8,353	9,349	10,310	11,154	11,542	13,568	14,884	16,486	16,820

Fuente: Institute for Scientific Information, 2009.

**A.2.18 FACTOR DE IMPACTO EN ANÁLISIS QUINQUENAL, POR PAÍS**

País	95-99	96-00	97-01	98-02	99-03	00-04	01-05	02-06	03-07	04-08
Alemania	4.13	4.30	4.51	4.74	4.97	5.09	5.37	5.55	5.75	6.05
Argentina	2.29	2.39	2.60	2.62	2.79	2.92	3.13	3.26	3.45	3.66
Brasil	1.98	2.00	2.10	2.25	2.37	2.47	2.63	2.76	2.88	2.94
Canadá	4.41	4.60	4.79	4.92	5.04	5.08	5.20	5.32	5.51	5.77
Chile	2.72	2.74	2.95	3.27	3.31	3.47	3.75	3.95	4.13	4.18
China	1.42	1.51	1.65	1.77	1.94	2.09	2.30	2.47	2.68	2.92
Colombia	3.30	2.82	2.69	2.67	2.63	2.70	2.84	2.99	3.24	3.27
Corea	1.75	1.89	2.09	2.30	2.50	2.62	2.79	2.93	3.10	3.29
E.U.A.	5.41	5.55	5.76	5.90	6.08	6.14	6.38	6.50	6.65	6.84
España	3.12	3.32	3.52	3.68	3.88	3.94	4.14	4.33	4.55	4.83
Francia	3.96	4.10	4.30	4.46	4.61	4.73	4.94	5.06	5.23	5.49
Grecia	2.40	2.47	2.56	2.70	2.83	2.95	3.11	3.33	3.51	3.84
India	1.32	1.41	1.52	1.66	1.78	1.94	2.14	2.31	2.47	2.65
Italia	3.82	4.00	4.22	4.39	4.50	4.53	4.77	4.97	5.11	5.42
Japón	3.25	3.36	3.56	3.70	3.85	3.96	4.15	4.25	4.40	4.60
<b>México</b>	<b>2.07</b>	<b>2.12</b>	<b>2.27</b>	<b>2.39</b>	<b>2.50</b>	<b>2.57</b>	<b>2.69</b>	<b>2.84</b>	<b>2.99</b>	<b>3.19</b>
Polonia	2.13	2.18	2.30	2.47	2.60	2.68	2.86	3.00	3.21	3.30
Portugal	2.59	2.67	2.88	3.07	3.22	3.27	3.53	3.61	3.86	4.23
Reino Unido	4.56	4.66	4.92	5.10	5.33	5.48	5.75	5.95	6.07	6.38
Turquía	1.26	1.33	1.41	1.48	1.56	1.63	1.79	1.95	2.11	2.28
Venezuela	1.91	1.87	1.96	2.09	2.15	2.20	2.51	2.74	3.01	2.94

Fuente: *Institute for Scientific Information, 2009.***A.2.19 PARTICIPACIÓN PORCENTUAL DE LA PRODUCCIÓN MUNDIAL DE ARTÍCULOS PUBLICADOS, POR PAÍS**

País	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Alemania	8.80	8.83	8.84	8.62	8.47	8.25	8.20	7.99	7.84	7.58
Argentina	0.54	0.58	0.58	0.62	0.57	0.54	0.56	0.56	0.58	0.59
Brasil	1.32	1.37	1.48	1.65	1.65	1.78	1.83	1.99	2.02	2.64
Canadá	4.47	4.42	4.31	4.37	4.46	4.49	4.64	4.73	4.77	4.60
Chile	0.24	0.25	0.27	0.29	0.31	0.30	0.33	0.34	0.34	0.37
China	3.49	3.94	4.38	5.03	5.55	6.54	7.62	8.59	9.33	9.88
Colombia	0.07	0.08	0.09	0.09	0.09	0.09	0.10	0.11	0.11	0.17
Francia	6.46	6.31	6.32	6.09	6.10	5.83	5.82	5.66	5.53	5.57
Grecia	0.60	0.64	0.72	0.73	0.78	0.82	0.83	0.90	0.95	0.92
India	2.32	2.17	2.32	2.44	2.49	2.58	2.70	2.87	3.07	3.38
Italia	4.08	4.09	4.27	4.32	4.41	4.45	4.36	4.37	4.50	4.38
Japón	9.50	9.46	9.53	9.38	9.34	8.76	8.36	7.92	7.63	6.98
<b>México</b>	<b>0.62</b>	<b>0.64</b>	<b>0.67</b>	<b>0.70</b>	<b>0.72</b>	<b>0.76</b>	<b>0.76</b>	<b>0.75</b>	<b>0.78</b>	<b>0.82</b>
Polonia	1.24	1.28	1.38	1.44	1.50	1.60	1.52	1.52	1.41	1.70
Portugal	0.39	0.41	0.46	0.49	0.54	0.59	0.58	0.69	0.63	0.68
Corea	1.60	1.77	2.03	2.18	2.44	2.71	2.88	2.93	2.83	3.11
España	2.88	2.92	3.03	3.14	3.13	3.26	3.27	3.46	3.52	3.64
Turquía	0.68	0.70	0.83	1.08	1.24	1.48	1.56	1.54	1.65	1.81
Reino Unido	9.23	9.42	9.1	8.79	8.68	8.57	8.38	8.28	8.35	7.81
E.U.A.	33.74	33.48	33.49	33.12	32.81	32.42	31.87	31.52	30.96	29.29
Venezuela	0.13	0.13	0.13	0.13	0.14	0.12	0.12	0.11	0.11	0.13

Fuente: *Institute for Scientific Information, 2009.*

## A.2.20 SOLICITUDES DE PATENTES, POR PAÍS

Número

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	57,366	59,531	62,142	60,475	58,187	58,481	59,234	60,222	60,585	60,992
Argentina	6,320	6,457	n.d.	n.d.	n.d.	4,561	4,605	5,266	n.d.	n.d.
Brasil	16,037	17,509	17,376	17,204	16,022	17,704	19,272	20,005	24,074	n.d.
Canadá	33,972	37,250	39,622	39,716	39,741	37,228	38,201	39,888	42,038	40,131
Corea	75,233	80,642	102,010	104,612	106,136	118,651	140,115	160,921	166,189	172,469
Chile	2,775	2,812	3,120	2,750	2,538	2,405	2,867	3,007	3,215	n.d.
E. U. A.	236,979	265,763	295,895	326,471	334,445	342,441	356,943	390,733	425,966	456,154
España	2,747	2,945	3,194	2,995	3,134	3,180	3,184	3,353	3,427	3,532
Francia	16,795	16,874	17,353	17,104	16,908	16,850	17,290	17,275	17,249	17,109
Japón	402,095	404,457	419,543	440,248	421,805	413,093	423,081	427,078	408,674	396,291
<b>México</b> <sup>1/</sup>	<b>10,893</b>	<b>12,110</b>	<b>13,061</b>	<b>13,566</b>	<b>13,062</b>	<b>12,207</b>	<b>13,194</b>	<b>14,436</b>	<b>15,500</b>	<b>16,599</b>
Reino Unido	29,613	31,732	32,747	32,081	31,531	31,624	29,954	27,988	25,745	24,999
Suecia	4,725	4,995	5,068	4,500	3,955	3,728	3,230	2,960	2,859	2,925

n.d.: datos no disponibles.

Fuentes: Sitios web de OMPI y RICYT.

<sup>1/</sup> IMPI, Informe Anual 2008.

## A.2.21 SOLICITUDES DE PATENTES DE RESIDENTES, POR PAÍS

Número

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	46,523	50,029	51,736	49,989	47,598	47,818	48,448	48,367	48,012	47,853
Argentina	861	899	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Brasil	2,491	2,816	3,080	3,323	3,365	3,689	3,958	3,905	3,810	n.d.
Canadá	3,809	4,061	4,187	3,963	3,959	3,929	5,231	5,183	5,522	4,998
Corea	50,596	55,970	72,831	73,714	76,570	90,313	105,250	122,188	125,476	128,701
Chile	207	204	241	246	391	329	382	361	291	n.d.
E. U. A.	134,733	149,251	164,795	177,513	184,245	188,941	189,536	207,867	221,784	241,347
España	2,271	2,439	2,710	2,528	2,763	2,813	2,871	3,040	3,111	3,267
Francia	13,251	13,592	13,870	13,499	13,519	13,511	14,230	14,327	14,529	14,722
Japón	357,379	357,531	384,201	382,815	365,204	358,184	368,416	367,960	347,060	333,498
<b>México</b> <sup>1/</sup>	<b>453</b>	<b>455</b>	<b>431</b>	<b>534</b>	<b>526</b>	<b>468</b>	<b>565</b>	<b>584</b>	<b>574</b>	<b>641</b>
Reino Unido	19,530	21,333	22,050	21,423	20,624	20,426	19,178	17,833	17,484	17,375
Suecia	3,972	4,142	4,224	3,926	3,358	3,025	2,768	2,522	2,446	2,527

n.d.: datos no disponibles.

Fuentes: Sitios web de OMPI y RICYT.

<sup>1/</sup> IMPI, Informe Anual 2008.

## A.2.22 SOLICITUDES DE PATENTES DE NO RESIDENTES, POR PAÍS

Número

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	10,843	9,502	10,406	10,486	10,589	10,663	10,786	11,855	12,573	13,139
Argentina	5,459	5,558	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Brasil	13,546	14,693	14,296	13,881	12,657	14,015	15,314	16,100	20,264	n.d.
Canadá	30,163	33,189	35,435	35,753	35,782	33,299	32,970	34,705	36,516	35,133
Corea	24,637	24,672	29,179	30,898	29,566	28,338	34,865	38,733	40,713	43,768
Chile	2,568	2,608	2,879	2,504	2,147	2,076	2,485	2,646	2,924	n.d.
E. U. A.	102,246	116,512	131,100	148,958	150,200	153,500	167,407	182,866	204,182	214,807
España	476	506	484	467	371	367	313	313	316	265
Francia	3,544	3,282	3,483	3,605	3,389	3,339	3,060	2,948	2,720	2,387
Japón	44,716	46,926	35,342	57,433	56,601	54,909	54,665	59,118	61,614	62,793
<b>México</b> <sup>1/</sup>	<b>10,440</b>	<b>11,655</b>	<b>12,630</b>	<b>13,032</b>	<b>12,536</b>	<b>11,739</b>	<b>12,629</b>	<b>13,852</b>	<b>14,926</b>	<b>15,958</b>
Reino Unido	10,083	10,399	10,697	10,658	10,907	11,198	10,776	10,155	8,261	7,624
Suecia	753	853	844	574	597	703	462	438	413	398

n.d.: datos no disponibles.

Fuentes: Sitios web de OMPI y RICYT.

<sup>1/</sup> IMPI, Informe Anual 2008.

### A.2.23 RELACIÓN DE DEPENDENCIA, POR PAÍS

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.23	0.19	0.20	0.21	0.22	0.22	0.22	0.25	0.26	0.27
Argentina	6.34	6.18	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Brasil	5.44	5.22	4.64	4.18	3.76	3.80	3.87	4.12	5.32	n.d.
Canadá	7.92	8.17	8.46	9.02	9.04	8.48	6.30	6.70	6.61	7.03
Corea	0.49	0.44	0.40	0.42	0.39	0.31	0.33	0.32	0.32	0.34
Chile	12.41	12.78	11.95	10.18	5.49	6.31	6.51	7.33	10.05	n.d.
E. U. A.	0.76	0.78	0.80	0.84	0.82	0.81	0.88	0.88	0.92	0.89
España	0.21	0.21	0.18	0.18	0.13	0.13	0.11	0.10	0.10	0.08
Francia	0.27	0.24	0.25	0.27	0.25	0.25	0.22	0.21	0.19	0.16
Japón	0.13	0.13	0.09	0.15	0.15	0.15	0.15	0.16	0.18	0.19
<b>México</b> <sup>1/</sup>	<b>23.05</b>	<b>25.62</b>	<b>29.30</b>	<b>24.40</b>	<b>23.83</b>	<b>25.08</b>	<b>22.35</b>	<b>23.72</b>	<b>26.00</b>	<b>24.90</b>
Reino Unido	0.52	0.49	0.49	0.50	0.53	0.55	0.56	0.57	0.47	0.44
Suecia	0.19	0.21	0.20	0.00	0.18	0.23	0.17	0.17	0.17	0.16

n.d.: datos no disponibles.

Fuentes: Sitios web de OMPI y RICYT.

<sup>1/</sup> IMPI, Informe Anual 2008.

### A.2.24 RELACIÓN DE AUTOSUFICIENCIA, POR PAÍS

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.81	0.84	0.83	0.83	0.82	0.82	0.82	0.80	0.79	0.78
Argentina	0.14	0.14	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
Brasil	0.16	0.16	0.18	0.19	0.21	0.21	0.21	0.20	0.16	n.d.
Canadá	0.11	0.11	0.11	0.10	0.10	0.11	0.14	0.13	0.13	0.12
Corea	0.67	0.69	0.71	0.70	0.72	0.76	0.75	0.76	0.76	0.75
Chile	0.07	0.07	0.08	0.09	0.15	0.14	0.13	0.12	0.09	n.d.
E. U. A.	0.57	0.56	0.56	0.54	0.55	0.55	0.53	0.53	0.52	0.53
España	0.83	0.83	0.85	0.84	0.88	0.88	0.90	0.91	0.91	0.92
Francia	0.79	0.81	0.80	0.79	0.80	0.80	0.82	0.83	0.84	0.86
Japón	0.89	0.88	0.92	0.87	0.87	0.87	0.87	0.86	0.85	0.84
<b>México</b> <sup>1/</sup>	<b>0.04</b>	<b>0.04</b>	<b>0.03</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>
Reino Unido	0.66	0.67	0.67	0.67	0.65	0.65	0.64	0.64	0.68	0.70
Suecia	0.84	0.83	0.83	0.87	0.85	0.81	0.86	0.85	0.86	0.86

n.d.: datos no disponibles.

Fuentes: Sitios web de OMPI y RICYT.

<sup>1/</sup> IMPI, Informe Anual 2008.

### A.2.25 COEFICIENTE DE INVENTIVA, POR PAÍS

País	1998 <sup>1/</sup>	1999 <sup>1/</sup>	2000 <sup>1/</sup>	2001 <sup>1/</sup>	2002 <sup>1/</sup>	2003 <sup>1/</sup>	2004	2005	2006	2007
Alemania	5.67	6.09	6.29	6.07	5.77	5.79	5.87	5.87	5.83	5.82
Argentina	0.24	0.25	0.29	0.19	0.19	0.21	0.21	0.27	0.26	0.24
Brasil	0.42	0.49	0.52	0.55	0.57	0.60	0.62	0.71	0.55	n.d.
Canadá	1.26	1.34	1.36	1.28	1.26	1.24	1.63	1.60	1.69	1.52
Corea	10.93	12.01	15.49	15.57	16.08	18.87	21.91	25.38	25.98	26.56
Chile	0.21	0.23	0.26	0.27	0.33	0.31	0.35	0.35	0.30	0.29
E. U. A.	4.88	5.34	5.83	6.22	6.39	6.49	6.45	7.01	7.41	7.99
España	0.57	0.61	0.67	0.62	0.67	0.67	0.67	0.70	0.71	0.71
Francia	0.57	0.61	0.67	0.62	0.67	0.67	0.67	0.67	0.67	0.67
Japón	28.29	28.24	30.29	30.11	28.66	28.05	28.83	28.80	27.16	26.10
<b>México</b>	<b>0.05</b>	<b>0.05</b>	<b>0.04</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.05</b>	<b>0.06</b>	<b>0.05</b>	<b>0.05</b>
Reino Unido	3.34	3.64	3.74	3.62	3.48	3.43	3.21	2.96	2.89	2.86
Suecia	4.49	4.68	4.76	4.41	3.76	3.38	3.08	2.79	2.69	2.76

<sup>1/</sup> Cifras sujetas a revisión por modificaciones en la información de la OMPI.

Al trabajar con datos OMPI, se debe considerar que una invención puede derivar en tantas patentes como países en que se registre dicha invención.

Fuentes: OMPI, IMPI, RICYT.

## A.2.26 NÚMERO DE FAMILIAS DE PATENTES TRIÁDICAS, POR PAÍS

Número

País	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	6,255	6,071	6,085	5,513	5,720	6,022	6,014	6,090	6,146
Argentina	9	7	4	7	6	7	8	9	9
Canadá	631	566	557	583	573	647	686	707	706
China	62	81	111	152	216	242	388	492	591
Corea	663	720	901	1,208	1,690	2,110	2,455	2,629	2,488
E. U. A.	15,516	14,897	14,651	14,384	15,088	15,974	15,626	15,865	15,923
España	126	140	153	160	164	215	217	225	240
Francia	2,308	2,280	2,317	2,213	2,254	2,402	2,410	2,427	2,468
Italia	637	664	701	718	703	765	757	766	756
Japón	12,740	14,481	13,490	13,285	13,326	13,729	13,899	14,270	14,605
<b>México</b>	<b>12</b>	<b>8</b>	<b>11</b>	<b>9</b>	<b>16</b>	<b>14</b>	<b>18</b>	<b>17</b>	<b>20</b>
Reino Unido	1,678	1,659	1,677	1,627	1,634	1,633	1,635	1,650	1,645
Suecia	730	686	667	697	673	696	729	774	851

Patentes solicitadas en EPO y JPO y concedidas por la USPTO. Año de prioridad, fecha de la primera solicitud internacional de la patente.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 y anteriores.

## A.2.27 BPT POR PAÍS: INGRESOS

Millones de dólares EUA

País	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	12,950.8	13,583.0	14,576.2	16,552.6	23,249.7	28,726.1	34,307.1	36,669.8	42,739.4
Canadá	1,993.6	2,601.2	2,077.8	1,438.2	1,789.4	2,174.5	2,474.1	2,514.2	-
E. U. A.	39,670.0	43,233.0	47,442.0	52,650.0	56,364.0	66,278.0	74,826.0	75,094.0	85,919.0
España	2,135.9	2,388.4	2,400.8	2,636.3	3,030.2	3,765.4	4,434.8	5,646.6	6,674.6
Francia	2,755.1	2,741.9	3,196.4	3,619.7	5,188.3	-	-	-	-
Italia	3,369.5	2,806.6	2,683.6	2,977.5	3,108.5	3,861.5	4,265.2	4,968.0	5,737.3
Japón	8,435.0	9,816.3	10,259.4	11,059.8	13,043.7	16,354.4	18,402.5	20,448.8	94.4
<b>México</b> <sup>1/</sup>	<b>42.0</b>	<b>43.1</b>	<b>40.8</b>	<b>65.9</b>	<b>75.7</b>	<b>44.9</b>	<b>69.5</b>	-	<b>94.4</b>
Reino Unido	17,885.1	16,330.0	18,023.3	19,665.1	23,539.0	29,082.0	30,676.5	32,068.8	34,621.8
Suecia	4,809.2	5,281.2	5,782.0	6,385.3	7,369.3	9,308.0	9,750.4	11,554.8	16,554.5

<sup>1/</sup> Cifra preliminar para 2007.

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 (cifras preliminares).

Para información de México: Banco de México para cifras hasta 2001; en adelante con base en las encuestas ESIDET INEGI-Conacyt.

## A.2.28 BPT POR PAÍS: EGRESOS

Millones de dólares EUA

País	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	17,209.2	18,215.4	21,029.8	21,726.0	23,277.9	25,869.0	29,755.5	32,836.1	38,350.0
Canadá	1,354.9	1,277.4	1,048.6	1,100.5	1,124.9	1,160.6	1,222.2	1,357.6	-
E. U. A.	13,107.0	16,468.0	18,963.0	22,381.0	23,443.0	29,044.0	31,851.0	43,780.0	48,957.0
España	3,947.2	3,664.6	3,924.4	4,119.0	5,565.4	6,917.6	6,333.1	7,096.7	9,064.4
Francia	3,169.4	2,644.2	2,695.3	2,801.3	3,233.5	-	-	-	-
Italia	4,238.6	3,505.4	3,439.8	2,993.2	3,794.9	4,069.8	4,553.3	3,989.9	4,619.3
Japón	3,602.0	4,113.5	4,512.3	4,320.3	4,862.8	5,246.6	6,384.7	6,065.3	6,033.9
<b>México</b> <sup>1/</sup>	<b>554.2</b>	<b>406.7</b>	<b>418.5</b>	<b>689.5</b>	<b>671.6</b>	<b>1,354.7</b>	<b>1,848.0</b>	-	<b>1,388.6</b>
Reino Unido	9,283.9	8,344.3	8,589.9	8,548.9	10,449.5	13,956.9	14,867.3	15,630.6	17,816.1
Suecia	7,737.7	5,635.1	5,959.8	5,911.3	6,440.4	7,038.2	7,243.5	10,802.3	10,970.7

<sup>1/</sup> Cifra preliminar para 2007.

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 (cifras preliminares).

Para información de México: Banco de México para cifras hasta 2001; en adelante con base en las encuestas ESIDET INEGI-Conacyt.

### A.2.29 BPT POR PAÍS: SALDOS

Millones de dólares EUA

País	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	-4,258.4	-4,632.4	-6,453.6	-5,173.4	-28.2	2,857.1	4,551.6	3,833.7	4,389.3
Canadá	638.7	1,323.8	1,029.2	337.7	664.5	1,013.8	1,251.9	1,156.6	-
E. U. A.	26,563.0	26,765.0	28,479.0	30,269.0	32,921.0	37,234.0	42,975.0	31,314.0	36,962.0
España	-1,811.3	-1,276.2	-1,523.7	-1,482.7	-2,535.1	-3,152.2	-1,898.3	-1,450.1	-2,389.8
Francia	-414.3	97.7	501.1	818.4	1,954.8	-	-	-	-
Italia	-869.1	-698.8	-756.2	-15.7	-686.4	-208.3	-288.1	978.0	1,118.0
Japón	4,832.9	5,702.8	5,747.1	6,739.5	8,180.8	11,107.8	12,017.8	14,383.5	-5,939.5
<b>México</b> <sup>1/</sup>	<b>-512.2</b>	<b>-363.6</b>	<b>-377.7</b>	<b>-623.6</b>	<b>-596.0</b>	<b>-1,309.8</b>	<b>-1,778.5</b>	-	<b>-1,294.2</b>
Reino Unido	8,601.2	7,985.7	9,433.5	11,116.2	13,089.6	15,125.1	15,809.2	16,438.3	16,805.7
Suecia	-2,928.4	-353.8	-177.8	474.0	928.9	2,269.9	2,507.0	752.5	5,583.9

<sup>1/</sup> Cifra preliminar para 2007.

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 (cifras preliminares).

Para información de México: Banco de México para cifras hasta 2001; en adelante con base en las encuestas ESIDET INEGI-Conacyt.

### A.2.30 BPT POR PAÍS: TRANSACCIONES TOTALES

Millones de dólares EUA

País	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	30,160.0	31,798.4	35,606.0	38,278.7	46,527.6	54,595.1	64,062.6	69,505.9	81,089.4
Canadá	3,348.5	3,878.5	3,126.4	2,538.7	2,914.2	3,335.1	3,696.3	3,871.8	-
E. U. A.	52,777.0	59,701.0	66,405.0	75,031.0	79,807.0	95,322.0	106,677.0	118,874.0	134,876.0
España	6,083.0	6,053.1	6,325.2	6,755.3	8,595.6	10,683.0	10,767.9	12,743.2	15,739.0
Francia	5,924.5	5,386.0	5,891.7	6,421.0	8,421.8	-	-	-	-
Italia	7,608.1	6,312.1	6,123.4	5,970.6	6,903.4	7,931.2	8,818.4	8,957.9	10,356.7
Japón	12,037.0	13,929.8	14,771.7	15,380.1	17,906.5	21,601.0	24,787.2	26,514.1	6,128.2
<b>México</b> <sup>1/</sup>	<b>596.2</b>	<b>449.8</b>	<b>459.3</b>	<b>755.3</b>	<b>747.3</b>	<b>1,399.6</b>	<b>1,917.5</b>	-	<b>1,483.0</b>
Reino Unido	27,169.0	24,674.3	26,613.2	28,214.0	33,988.5	43,038.9	45,543.8	47,699.4	52,437.9
Suecia	12,546.9	10,916.3	11,741.8	12,296.6	13,809.7	16,346.2	16,993.9	22,357.1	27,525.2

<sup>1/</sup> Cifra preliminar para 2007.

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 (cifras preliminares).

Para información de México: Banco de México para cifras hasta 2001; en adelante con base en las encuestas ESIDET INEGI-Conacyt.

### A.2.31 BPT POR PAÍS: TASA DE COBERTURA

Millones de dólares EUA

País	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.75	0.75	0.69	0.76	1.00	1.11	1.15	1.12	1.11
Canadá	1.47	2.04	1.98	1.31	1.59	1.87	2.02	1.85	-
E. U. A.	3.03	2.63	2.50	2.35	2.40	2.28	2.35	1.72	1.75
España	0.54	0.65	0.61	0.64	0.54	0.54	0.70	0.80	0.74
Francia	0.87	1.04	1.19	1.29	1.60	-	-	-	-
Italia	0.79	0.80	0.78	0.99	0.82	0.95	0.94	1.25	1.24
Japón	2.34	2.39	2.27	2.56	2.68	3.12	2.88	3.37	0.02
<b>México</b> <sup>1/</sup>	<b>0.08</b>	<b>0.11</b>	<b>0.10</b>	<b>0.10</b>	<b>0.11</b>	<b>0.03</b>	<b>0.04</b>	-	<b>0.07</b>
Reino Unido	1.93	1.96	2.10	2.30	2.25	2.08	2.06	2.05	1.94
Suecia	0.62	0.94	0.97	1.08	1.14	1.32	1.35	1.07	1.51

<sup>1/</sup> Cifra preliminar para 2007.

- = dato no disponible.

Fuentes: *OECD, Main Science and Technology Indicators*, 2009-1 (cifras preliminares).

Para información de México: Banco de México para cifras hasta 2001; en adelante con base en las encuestas ESIDET INEGI-Conacyt.

### A.2.32 COMERCIO EXTERIOR DE BAT. TASA DE COBERTURA DE LA INDUSTRIA MANUFACTURERA\*

Razón de exportaciones/importaciones

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.98	0.99	0.97	1.04	1.03	1.06	1.11	1.08	1.05	1.14
Canadá	0.61	0.59	0.69	0.65	0.60	0.61	0.59	0.60	0.62	0.64
Corea	1.63	1.49	1.42	1.36	1.47	1.56	1.76	1.72	1.68	1.82
E. U. A.	1.01	0.95	0.89	0.93	0.84	0.81	0.78	0.78	0.81	0.83
España	0.47	0.43	0.43	0.47	0.50	0.50	0.46	0.47	0.44	0.44
Francia	1.10	1.11	1.07	1.12	1.14	1.08	1.05	1.04	1.06	1.04
Italia	0.70	0.66	0.71	0.73	0.73	0.70	0.66	0.69	0.69	0.71
Japón	1.92	1.78	1.73	1.51	1.49	1.50	1.51	1.38	1.33	1.25
<b>México</b>	<b>1.10</b>	<b>1.08</b>	<b>1.03</b>	<b>1.03</b>	<b>1.06</b>	<b>1.03</b>	<b>0.98</b>	<b>0.99</b>	<b>0.99</b>	<b>1.08</b>
Reino Unido	1.02	0.98	0.94	1.03	1.02	0.94	0.86	0.99	1.14	0.81
Suecia	1.39	1.52	1.44	1.26	1.40	1.40	1.36	1.37	1.34	1.23

\*Industrias consideradas: - computadoras y máquinas de oficina  
- electrónica y telecomunicaciones  
- farmacéutica  
- instrumentos de precisión  
- aeroespacial

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.33 COMERCIO EXTERIOR DE BAT. TASA DE COBERTURA DE LA INDUSTRIA DE COMPUTADORAS Y MÁQUINAS DE OFICINA

Razón de exportaciones/importaciones

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.55	0.51	0.58	0.56	0.59	0.64	0.78	0.75	0.74	0.77
Canadá	0.51	0.45	0.46	0.42	0.33	0.33	0.33	0.30	0.30	0.35
Corea	2.75	2.44	2.55	2.39	3.00	3.33	3.66	2.52	2.23	2.45
E. U. A.	0.61	0.56	0.61	0.64	0.51	0.50	0.46	0.47	0.45	0.46
España	0.38	0.39	0.38	0.35	0.28	0.27	0.24	0.19	0.16	0.16
Francia	0.69	0.67	0.63	0.58	0.54	0.47	0.44	0.40	0.43	0.38
Italia	0.48	0.41	0.39	0.38	0.33	0.32	0.27	0.26	0.22	0.22
Japón	1.99	1.63	1.28	1.22	1.16	1.00	0.95	0.88	0.91	0.49
<b>México</b>	<b>2.38</b>	<b>2.26</b>	<b>2.08</b>	<b>1.64</b>	<b>1.37</b>	<b>1.31</b>	<b>1.17</b>	<b>1.03</b>	<b>1.06</b>	<b>1.10</b>
Reino Unido	0.81	0.80	0.74	0.81	0.76	0.66	0.59	0.65	0.73	0.49
Suecia	0.22	0.23	0.23	0.31	0.35	0.35	0.39	0.36	0.39	0.47

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.34 COMERCIO EXTERIOR DE BAT. TASA DE COBERTURA DE LA INDUSTRIA ELECTRÓNICA

Razón de exportaciones/importaciones

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.92	0.96	0.95	0.92	0.99	0.98	0.96	0.93	0.84	0.87
Canadá	0.60	0.62	0.78	0.63	0.60	0.58	0.58	0.64	0.63	0.59
Corea	1.78	1.55	1.46	1.46	1.57	1.68	1.99	2.04	1.95	1.92
E. U. A.	0.85	0.86	0.80	0.82	0.74	0.74	0.67	0.60	0.62	0.59
España	0.54	0.46	0.43	0.49	0.52	0.55	0.45	0.44	0.38	0.28
Francia	1.10	1.12	1.06	1.08	1.09	0.96	0.91	0.88	0.85	0.71
Italia	0.60	0.58	0.59	0.68	0.63	0.56	0.51	0.53	0.52	0.51
Japón	2.84	2.67	2.38	1.99	2.16	2.26	2.14	1.96	1.88	1.79
<b>México</b>	<b>0.92</b>	<b>0.89</b>	<b>0.86</b>	<b>0.86</b>	<b>0.97</b>	<b>0.94</b>	<b>0.92</b>	<b>0.99</b>	<b>1.04</b>	<b>1.36</b>
Reino Unido	1.02	0.92	0.88	1.09	1.30	0.83	0.64	0.99	1.35	0.47
Suecia	1.95	2.22	1.96	1.47	1.74	1.59	1.59	1.66	1.51	1.24

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.35 COMERCIO EXTERIOR DE BAT. TASA DE COBERTURA DE LA INDUSTRIA FARMACÉUTICA

Razón de exportaciones/importaciones

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	1.64	1.70	1.46	1.66	1.00	1.14	1.29	1.23	1.26	1.28
Canadá	0.36	0.32	0.31	0.31	0.30	0.36	0.41	0.43	0.48	0.55
Corea	0.82	0.57	0.58	0.48	0.42	0.42	0.39	0.37	0.32	0.29
E. U. A.	0.79	0.76	0.80	0.79	0.61	0.57	0.63	0.66	0.63	0.62
España	0.53	0.55	0.56	0.54	0.59	0.54	0.54	0.68	0.72	0.76
Francia	1.19	1.25	1.19	1.27	1.40	1.32	1.27	1.22	1.25	1.22
Italia	0.90	0.91	1.07	1.04	1.02	0.94	0.85	0.92	0.88	0.83
Japón	0.60	0.57	0.61	0.59	0.58	0.56	0.55	0.48	0.46	0.40
<b>México</b>	<b>0.57</b>	<b>0.54</b>	<b>0.54</b>	<b>0.57</b>	<b>0.55</b>	<b>0.51</b>	<b>0.51</b>	<b>0.46</b>	<b>0.36</b>	<b>0.36</b>
Reino Unido	1.43	1.29	1.28	1.21	1.12	1.24	1.28	1.30	1.37	1.31
Suecia	2.63	2.72	2.85	2.80	2.44	2.87	2.65	2.59	2.69	2.38

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.36 COMERCIO EXTERIOR DE BAT. TASA DE COBERTURA DE LA INDUSTRIA AEROESPACIAL

Razón de exportaciones/importaciones

País	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	0.94	1.01	0.96	1.18	1.27	1.19	1.07	1.00	0.98	1.21
Canadá	1.23	1.20	1.38	1.54	1.51	1.86	1.66	1.36	1.51	1.37
Corea	0.98	0.51	0.67	0.64	0.34	0.58	0.38	0.34	0.30	0.30
E. U. A.	2.82	2.53	1.96	1.82	2.08	2.09	2.26	2.48	2.88	2.74
España	0.69	0.48	0.48	0.68	0.92	1.01	0.93	0.84	0.76	0.86
Francia	1.72	1.75	1.76	1.95	1.91	1.88	1.89	1.85	1.95	1.76
Italia	1.01	0.94	1.10	0.82	0.97	0.96	1.16	1.15	1.39	1.67
Japón	0.38	0.34	0.47	0.66	0.34	0.34	0.31	0.34	0.41	0.43
<b>México</b>	<b>1.29</b>	<b>1.56</b>	<b>1.21</b>	<b>1.81</b>	<b>2.03</b>	<b>1.51</b>	<b>1.28</b>	<b>2.09</b>	<b>2.28</b>	<b>1.30</b>
Reino Unido	1.18	1.21	1.31	1.15	0.93	1.18	1.21	1.24	1.17	1.05
Suecia	1.62	0.96	0.76	1.04	1.36	1.05	1.05	1.17	1.38	1.15

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.37 COMERCIO INTERNACIONAL: INDUSTRIA ELECTRÓNICA

Millones de dólares E.U.A.

País	Saldo de la Balanza Comercial									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	-1,984.2	-1,042.7	-1,736.4	-2,520.2	-166.8	-834.8	-1,904.0	-3,455.8	-9,180.8	-7,778.7
Canadá	-5,350.8	-5,812.6	-4,370.4	-5,054.0	-4,715.2	-4,937.1	-6,150.0	-5,821.6	-6,470.1	-7,501.5
Corea	11,937.6	11,833.1	12,673.4	9,926.3	13,528.9	19,014.2	31,273.7	34,222.1	33,023.3	36,176.9
E. U. A.	-12,040.3	-13,749.8	-25,584.5	-18,108.3	-25,070.6	-26,107.6	-39,357.0	-53,476.2	-56,621.2	-62,230.5
España	-2,849.8	-4,268.9	-4,810.0	-3,848.5	-3,532.3	-4,074.8	-6,509.6	-7,277.1	-9,748.5	-14,318.1
Francia	1,534.8	1,982.0	1,333.2	1,341.1	1,302.4	-667.7	-1,793.4	-2,737.1	-4,280.8	-7,662.7
Italia	-4,133.1	-4,575.7	-5,155.1	-3,605.7	-4,045.8	-5,515.7	-8,386.8	-7,917.8	-8,452.0	-8,593.7
Japón	36,846.1	40,341.4	47,568.8	29,786.8	32,924.9	40,058.4	44,484.5	39,370.4	38,900.1	38,213.9
<b>México</b>	<b>-1,276.9</b>	<b>-2,205.2</b>	<b>-3,927.3</b>	<b>-3,699.5</b>	<b>-688.7</b>	<b>-1,342.9</b>	<b>-1,940.8</b>	<b>-382.0</b>	<b>1,472.0</b>	<b>9,727.3</b>
Reino Unido	343.7	-2,036.4	-4,187.9	2,550.1	6,820.0	-4,387.4	-11,891.3	-319.7	16,322.8	-18,397.4
Suecia	5,632.5	7,354.2	7,303.1	2,434.2	3,520.5	3,347.3	4,503.0	5,165.8	4,415.2	2,362.3

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.38 COMERCIO INTERNACIONAL: INDUSTRIA ELECTRÓNICA

Porcentajes

País	Participación en las exportaciones de total de OCDE									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	7.45	7.35	5.28	6.03	5.97	5.86	6.07	5.74	5.13	5.08
Canadá	2.70	2.75	2.56	1.70	1.32	1.15	1.12	1.24	1.14	1.10
Corea	9.01	9.66	6.69	6.19	7.06	7.86	8.44	8.09	7.04	7.54
E. U. A.	23.11	23.65	16.94	15.82	13.76	12.47	10.86	9.86	9.43	9.02
España	1.12	1.04	0.59	0.72	0.71	0.82	0.72	0.68	0.62	0.54
Francia	5.83	5.43	3.67	3.66	3.13	2.73	2.58	2.45	2.45	1.83
Italia	2.07	1.83	1.25	1.51	1.28	1.19	1.19	1.08	0.95	0.91
Japón	18.86	18.77	13.57	11.69	11.59	12.00	11.24	9.71	8.62	8.62
<b>México</b>	<b>5.09</b>	<b>5.23</b>	<b>3.95</b>	<b>4.29</b>	<b>3.96</b>	<b>3.24</b>	<b>3.20</b>	<b>3.35</b>	<b>3.71</b>	<b>3.69</b>
Reino Unido	7.54	6.72	4.91	5.75	5.65	3.56	2.86	4.22	6.55	1.62
Suecia	3.84	3.89	2.47	1.48	1.56	1.51	1.63	1.57	1.36	1.22

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.39 COMERCIO INTERNACIONAL: COMPUTADORAS Y MÁQUINAS DE OFICINA

Millones de dólares E.U.A.

País	Saldo de la Balanza Comercial									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	-11,909.92	-13,906.90	-12,351.75	-12,413.25	-11,272.76	-11,021.61	-7,728.23	-9,595.62	-10,942.98	-7,007.37
Canadá	-4,959.96	-5,784.64	-6,516.99	-6,195.70	-6,244.06	-6,499.33	-7,329.18	-8,415.97	-8,927.42	-7,409.76
Corea	3,447.31	6,241.01	11,921.83	7,857.08	10,958.01	12,636.40	15,657.76	10,709.97	9,855.87	10,902.79
E. U. A.	-30,318.68	-37,440.60	-36,626.54	-27,967.42	-38,810.15	-41,381.03	-51,694.57	-53,651.66	-59,376.16	-48,799.53
España	-2,739.50	-2,829.10	-2,882.57	-2,997.68	-3,076.79	-4,048.91	-5,163.63	-6,413.55	-6,971.56	-6,315.14
Francia	-4,754.32	-5,100.22	-5,773.24	-6,198.05	-6,049.24	-7,880.54	-10,037.66	-10,680.47	-10,584.51	-9,192.62
Italia	-3,976.06	-4,990.20	-5,198.27	-4,819.22	-5,136.07	-5,768.15	-7,090.61	-7,377.59	-7,771.58	-6,840.70
Japón	16,639.67	12,787.07	7,658.65	5,052.81	3,613.95	-47.11	-1,268.80	-3,264.07	-2,249.89	-10,017.78
<b>México</b>	<b>4,380.69</b>	<b>5,437.02</b>	<b>6,114.17</b>	<b>5,160.07</b>	<b>3,275.61</b>	<b>3,141.75</b>	<b>1,992.88</b>	<b>385.12</b>	<b>702.12</b>	<b>1,062.26</b>
Reino Unido	-4,798.42	-5,435.43	-7,781.63	-4,657.13	-5,364.63	-8,190.17	-11,249.42	-9,688.75	-7,846.02	-12,540.42
Suecia	-3,035.01	-2,598.04	-2,541.70	-2,047.10	-1,942.74	-2,279.87	-2,527.16	-2,940.67	-3,210.55	-2,446.73

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.40 COMERCIO INTERNACIONAL: COMPUTADORAS Y MÁQUINAS DE OFICINA

Porcentajes

País	Participación en las exportaciones de total de OCDE									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	7.19	6.84	5.04	5.02	5.34	5.54	6.48	6.27	6.15	5.47
Canadá	2.57	2.27	1.62	1.40	1.02	0.90	0.86	0.80	0.76	0.91
Corea	2.73	5.00	5.76	4.28	5.32	5.13	5.20	3.84	3.49	4.22
E. U. A.	24.05	23.01	16.91	15.67	12.87	11.65	10.6	10.15	9.59	9.61
España	0.86	0.86	0.53	0.5	0.39	0.43	0.39	0.33	0.26	0.27
Francia	5.45	4.86	2.89	2.74	2.32	1.98	1.87	1.55	1.59	1.30
Italia	1.85	1.64	0.96	0.94	0.82	0.77	0.62	0.56	0.42	0.44
Japón	16.88	15.7	10.34	9.03	8.32	6.86	6.23	5.29	4.71	2.18
<b>México</b>	<b>3.80</b>	<b>4.62</b>	<b>3.45</b>	<b>4.19</b>	<b>3.94</b>	<b>3.78</b>	<b>3.35</b>	<b>2.52</b>	<b>2.40</b>	<b>2.63</b>
Reino Unido	10.53	10.3	6.45	6.15	5.51	4.53	3.93	3.88	4.19	2.80
Suecia	0.44	0.37	0.22	0.29	0.33	0.35	0.39	0.36	0.40	0.49

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.41 COMERCIO INTERNACIONAL: INDUSTRIA FARMACÉUTICA

Millones de dólares E.U.A.

País	Saldo de la Balanza Comercial									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	6,145.5	6,830.0	4,844.4	7,799.6	-9.9	3,106.2	7,846.1	7,635.0	9,745.0	12,455.8
Canadá	-1,942.5	-2,485.4	-2,868.4	-3,260.6	-3,686.1	-4,167.5	-4,340.6	-4,795.5	-5,141.1	-5,080.2
Corea	-134.6	-423.6	-463.1	-676.8	-867.4	-961.9	-1,245.5	-1,488.7	-2,055.2	-2,643.6
E. U. A.	-3,070.6	-4,024.0	-3,844.6	-4,690.2	-11,133.6	-15,361.6	-14,348.1	-14,879.5	-18,260.3	-22,214.6
España	-1,756.5	-1,789.0	-1,786.3	-2,304.5	-2,656.4	-3,899.7	-4,382.3	-3,309.5	-3,070.1	-3,186.3
Francia	1,588.3	2,335.1	1,883.4	3,020.1	4,570.2	4,655.1	4,646.4	4,282.5	5,171.7	5,420.9
Italia	-642.7	-648.4	478.5	300.4	202.3	-737.1	-2,060.7	-1,144.2	-1,993.0	-3,353.6
Japón	-1,887.9	-2,504.7	-2,369.5	-2,506.7	-2,730.2	-3,239.7	-3,803.6	-4,987.1	-5,244.4	-6,387.9
<b>México</b>	<b>-580.4</b>	<b>-702.0</b>	<b>-806.5</b>	<b>-880.0</b>	<b>-1,006.5</b>	<b>-1,280.1</b>	<b>-1,418.5</b>	<b>-1,739.1</b>	<b>-2,482.3</b>	<b>-2,738.2</b>
Reino Unido	3,148.6	2,453.8	2,534.5	2,429.1	1,695.6	3,813.2	5,166.9	5,405.2	7,346.9	7,206.4
Suecia	2,238.7	2,565.0	2,573.0	2,703.6	2,713.2	4,214.3	4,193.9	4,437.1	5,505.8	5,089.5

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.42 COMERCIO INTERNACIONAL: INDUSTRIA FARMACÉUTICA

Porcentajes

País	Participación en las exportaciones de total de OCDE									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	15.5	15.2	12.5	13.4	10.5	11.4	13.5	13.8	14.2	14.7
Canadá	1.1	1.1	1.0	1.0	0.9	1.1	1.2	1.2	1.4	1.6
Corea	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3
E. U. A.	11.1	11.9	12.2	12.1	9.8	9.6	9.4	9.7	9.6	9.2
España	2.0	2.0	1.9	1.8	2.2	2.1	2.0	2.4	2.4	2.6
Francia	9.9	10.6	9.7	9.8	9.0	8.9	8.3	8.1	7.8	7.5
Italia	5.4	5.7	5.8	5.5	5.4	5.1	4.6	4.7	4.5	4.2
Japón	2.8	3.0	3.0	2.5	2.1	1.9	1.8	1.6	1.4	1.1
<b>México</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.7</b>	<b>0.6</b>	<b>0.6</b>	<b>0.5</b>	<b>0.4</b>	<b>0.4</b>
Reino Unido	10.2	10.0	9.6	9.5	8.7	9.3	9.0	8.0	8.2	7.8
Suecia	3.6	3.7	3.2	2.9	2.6	3.0	2.6	2.5	2.6	2.2

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

### A.2.43 COMERCIO INTERNACIONAL: INDUSTRIA DE INSTRUMENTOS DE PRECISIÓN

Millones de dólares E.U.A.

País	Saldo de la Balanza Comercial									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	6,977.5	7,360.9	6,862.3	7,843.7	10,273.9	12,674.1	16,837.9	19,742.8	21,416.8	24,306.9
Canadá	-3,981.3	-4,561.8	-4,272.0	-4,640.8	-4,524.3	-4,870.0	-5,335.8	-5,203.5	-5,289.3	-5,991.3
Corea	-871.8	-1,131.2	-4,928.9	-3,890.5	-4,601.8	-5,226.6	-5,372.4	-1,284.1	4,356.3	11,966.5
E. U. A.	7,037.4	6,116.3	6,131.8	7,083.8	3,859.9	1,754.2	2,461.8	3,477.6	5,581.4	5,264.9
España	-2,725.8	-2,984.2	-2,579.2	-2,587.7	-2,874.4	-3,420.0	-4,067.2	-4,609.7	-5,566.6	-5,856.6
Francia	-578.8	-1,094.2	-1,393.3	-1,116.2	-845.1	-613.5	-756.9	-910.1	-952.1	-495.9
Italia	-1,452.7	-1,970.2	-1,901.7	-1,590.1	-1,550.0	-1,452.6	-1,780.0	-1,667.2	-1,464.5	-818.4
Japón	7,686.4	9,288.8	13,743.1	8,885.6	8,251.5	11,224.6	17,173.4	14,940.7	11,548.5	11,618.7
<b>México</b>	<b>-166.1</b>	<b>-269.5</b>	<b>-127.6</b>	<b>444.0</b>	<b>338.8</b>	<b>436.9</b>	<b>336.6</b>	<b>806.2</b>	<b>-1,005.9</b>	<b>-3,745.3</b>
Reino Unido	615.4	445.9	-505.8	-482.0	-421.6	-529.5	-1,136.1	-799.9	-932.5	-1,338.4
Suecia	242.9	208.8	209.1	267.9	472.8	703.9	530.9	392.8	402.2	207.2

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

#### A.2.44 COMERCIO INTERNACIONAL: INDUSTRIA DE INSTRUMENTOS DE PRECISIÓN

Porcentajes

País	Participación en las exportaciones de total de OCDE									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	14.7	14.1	10.9	11.7	12.7	12.6	12.6	12.9	13.2	13.2
Canadá	1.8	1.9	2.1	1.7	1.5	1.3	1.3	1.4	1.4	1.3
Corea	2.0	2.5	1.0	1.0	0.9	1.3	1.9	3.6	5.1	5.9
E. U. A.	25.9	25.8	23.1	22.9	21.3	19.2	18.1	17.3	17.2	16.6
España	0.9	0.9	0.7	0.7	0.8	0.9	0.8	0.7	0.7	0.7
Francia	5.7	5.2	3.9	4.4	4.5	4.7	4.6	4.4	4.4	4.5
Italia	3.6	3.3	2.7	2.8	2.9	3.0	2.9	2.8	2.8	2.9
Japón	14.0	14.9	14.6	12.0	11.4	11.7	12.6	11.2	10.0	8.4
<b>México</b>	<b>2.2</b>	<b>2.4</b>	<b>2.3</b>	<b>2.5</b>	<b>2.7</b>	<b>2.5</b>	<b>2.2</b>	<b>2.5</b>	<b>2.5</b>	<b>2.3</b>
Reino Unido	7.6	6.9	5.3	5.6	5.4	5.1	4.8	4.6	4.5	4.3
Suecia	1.8	1.6	1.3	1.3	1.4	1.4	1.3	1.1	1.2	1.2

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

#### A.2.45 COMERCIO INTERNACIONAL: INDUSTRIA AEROSPAICIAL

Millones de dólares E.U.A.

País	Saldo de la Balanza Comercial									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	-1,043.8	110.2	-915.7	3,367.9	4,621.7	3,588.3	1,731.1	-1.7	-681.3	5,143.2
Canadá	1,214.8	1,196.1	2,378.3	3,780.7	3,242.7	4,478.5	3,797.9	2,792.5	3,953.4	3,694.3
Corea	-22.4	-506.8	-377.9	-346.9	-857.0	-403.7	-805.0	-1,188.3	-2,078.6	-2,127.3
E. U. A.	40,556.0	36,919.5	25,900.1	25,897.0	28,795.2	26,601.0	30,912.9	38,635.5	54,004.0	60,036.7
España	-474.7	-1,561.1	-1,678.8	-677.7	-169.8	30.2	-221.0	-662.4	-1,068.6	-677.1
Francia	7,999.5	8,538.3	8,644.2	10,807.3	9,818.9	10,406.8	12,184.7	13,261.0	16,729.7	16,350.4
Italia	20.9	-217.4	396.5	-745.2	-132.5	-126.4	580.3	524.1	1,109.2	1,874.7
Japón	-4,130.8	-4,690.8	-2,468.9	-1,375.3	-4,051.2	-4,501.0	-4,768.2	-5,117.0	-5,115.0	-5,646.5
<b>México</b>	<b>269.2</b>	<b>240.0</b>	<b>99.3</b>	<b>320.5</b>	<b>403.8</b>	<b>208.7</b>	<b>99.8</b>	<b>323.3</b>	<b>536.8</b>	<b>298.6</b>
Reino Unido	2,577.4	2,896.8	4,212.9	2,487.2	-1,258.4	3,141.0	3,728.5	4,293.1	3,692.8	1,286.3
Suecia	686.7	-55.9	-413.7	47.7	407.2	63.7	56.8	157.8	319.1	123.7

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

#### A.2.46 COMERCIO INTERNACIONAL: INDUSTRIA AEROSPAICIAL

Porcentajes

País	Participación en las exportaciones de total de OCDE									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alemania	11.4	12.7	13.4	14.2	14.1	14.3	14.2	14.0	14.6	11.8
Canadá	4.7	5.1	6.0	6.8	6.2	6.2	5.4	5.6	5.1	5.4
Corea	0.8	0.4	0.5	0.4	0.3	0.4	0.3	0.3	0.4	0.4
E. U. A.	45.3	43.6	36.2	36.3	35.8	32.4	31.6	34.5	35.9	37.5
España	0.8	1.0	1.1	0.9	1.3	1.4	1.8	1.8	1.5	1.6
Francia	13.8	14.3	13.7	14.0	13.3	14.1	14.8	15.3	14.9	15.0
Italia	2.4	2.4	3.0	2.2	2.9	2.1	2.3	2.1	1.7	1.9
Japón	1.8	1.8	1.5	1.7	1.3	1.5	1.2	1.4	1.5	1.7
<b>México</b>	<b>0.9</b>	<b>0.5</b>	<b>0.4</b>	<b>0.5</b>	<b>0.5</b>	<b>0.4</b>	<b>0.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.5</b>
Reino Unido	12.1	11.8	12.2	12.1	11.2	13.0	12.3	11.8	10.9	10.0
Suecia	1.3	0.9	0.9	0.9	1.0	0.8	0.7	0.6	0.5	0.4

Fuente: OECD, Main Science and Technology Indicators, 2009-1.

