



INTERNATIONAL
IRON AND
STEEL
INSTITUTE

2003 Edition

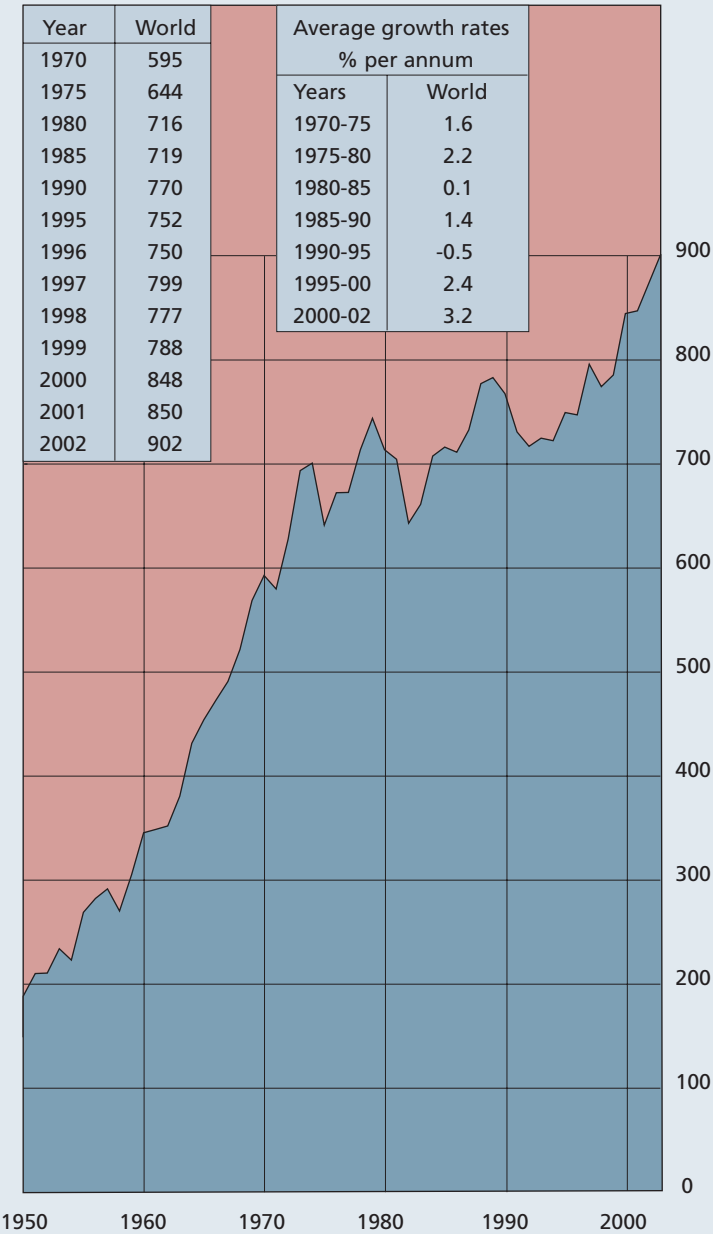
World Steel in Figures

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World crude steel production, 1950 to 2002

million metric tons



The largest steel producing companies, 2001 and 2002

million metric tons crude steel output

2002		2001			2002		2001		
1	44.0	1	43.2	Arcelor	41	5.0	58	3.6	Panzhihua
2	34.8	4	19.2	LNM Group	42	4.9	49	4.1	Hualin
3	29.8	3	26.2	Nippon Steel	43	4.9	39	4.8	CST
4	28.1	2	27.8	POSCO	44	4.8	46	4.2	Baotou
5	19.5	5	19.1	Shanghai Baosteel	45	4.7	41	4.7	Azovstal
6	16.8	6	18.1	Corus	46	4.7	45	4.5	Stelco
7	16.4	7	16.2	Thyssen Krupp	47	4.6	42	4.6	USIMINAS
8	15.2	9	14.8	NKK	48	4.6	43	4.5	Erdemir Group
9	15.0	8	15.0	Riva	49	4.5	61	3.4	Handan
10	14.4	11	12.8	US Steel	50	4.5	44	4.5	Techint
11	13.7	10	13.3	Kawasaki	51	4.4	48	4.1	Dofasco
12	12.4	13	11.2	Nucor	52	4.2	47	4.2	Rautaruukki
13	11.8	12	11.7	Sumitomo	53	3.9	64	3.2	Jinan
14	11.5	22	7.2	Gerdau	54	3.9	57	3.7	TISCO
15	11.4	14	10.8	SAIL	55	3.9	51	4.0	Zaporozstahl
16	11.0	15	10.3	Magnitogorsk	56	3.9	53	3.8	SSAB
17	10.5	16	10.3	China Steel	57	3.9	78	2.5	COSIPA
18	10.1	17	8.8	Anshan	58	3.9	55	3.8	Chelyabinsk (Mechel)
19	9.6	19	8.1	Severstal	59	3.9	62	3.2	Duferco Group
20	8.6	21	7.9	Novolipetsk	60	3.8	54	3.8	Nisshin Steel
21	8.2	18	8.2	Shougang	61	3.8	63	3.2	Tokyo Steel
22	8.1	20	8.0	Bethlehem Steel	62	3.7	56	3.8	Lucchini
23	7.6	23	7.1	Wuhan	63	3.7	65	3.2	SIDOR
24	7.3	24	6.9	NISCO	64	3.6	75	2.5	Sugang
25	7.3	27	6.6	INI Steel	65	3.6	60	3.4	Hadeed
26	6.9	25	6.9	Krivorozstal	66	3.4	72	2.7	Anyang
27	6.6	26	6.7	Kobe Steel	67	3.3	67	3.0	RINL
28	6.4	28	6.0	BHP Steel	68	3.2	97	1.9	Nangang
29	6.2	38	4.9	Benxi	69	3.2	68	2.9	Alchevsk
30	6.1	31	5.8	Mariupol (Ilyich)	70	3.1	69	2.8	Taiyuan
31	5.9	30	5.8	Polskie Huty Stali	71	3.0	91	2.0	EZZ
32	5.8	34	5.3	voestalpine	72	2.9	66	3.0	AHMSA
33	5.7	32	5.6	Zapsib	73	2.9	79	2.4	Laiwu
34	5.4	40	4.8	Maanshan	74	2.9	87	2.1	Nosta
35	5.3	35	5.2	Nizhny Tagil	75	2.9	96	1.9	Lion Group
36	5.3	36	5.2	AK Steel	76	2.8	76	2.5	Nová Hut Kuncice
37	5.2	33	5.4	National Steel	77	2.8	71	2.8	Celsa
38	5.1	37	5.1	Salzgitter	78	2.8	83	2.2	Hylsamex
39	5.1	50	4.0	CSN	79	2.8	74	2.6	Rouge Steel
40	5.1	52	3.9	Tangshan	80	2.8	81	2.3	Petrovka

The major steel-producing countries, 2001 and 2002

million metric tons crude steel production

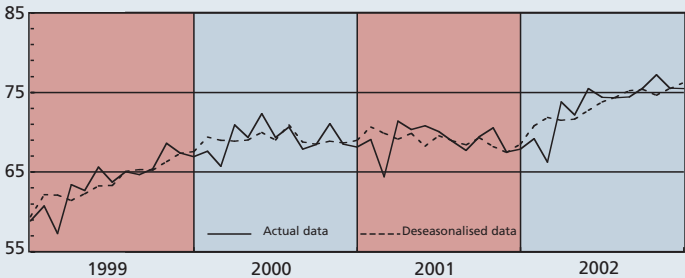
Country	2002		2001	
	Rank	Tonnage	Rank	Tonnage
China	1	181.6	1	150.9
Japan	2	107.7	2	102.9
United States	3	92.2	3	90.1
Russia	4	59.8	4	59.0
South Korea	5	45.4	6	43.9
FR Germany	6	45.0	5	44.8
Ukraine	7	33.4	7	33.1
Brazil	8	29.6	9	26.7
India	9	28.8	8	27.3
Italy	10	26.1	10	26.5
France	11	20.3	11	19.3
Taiwan, China	12	18.2	12	17.3
Turkey	13	16.5	15	15.0
Spain	14	16.4	13	16.5
Canada	15	16.0	14	15.3
Mexico	16	14.1	17	13.3
United Kingdom	17	11.7	16	13.5
Belgium	18	11.3	18	10.8
South Africa	19	9.1	19	8.8
Poland	20	8.4	20	8.8
Australia	21	7.5	21	7.0
Iran	22	7.3	22	6.9
Czech Republic	23	6.5	23	6.3
Austria	24	6.2	25	5.9
Netherlands	25	6.1	24	6.0
Sweden	26	5.8	26	5.5
Romania	27	5.5	27	4.9
Kazakhstan	28	4.8	28	4.7
Argentina	29	4.4	29	4.1
Egypt	30	4.3	34	3.8
Slovakia	31	4.3	31	4.0
Venezuela	32	4.2	33	3.8
Malaysia (e)	33	4.1	30	4.1
Finland	34	4.0	32	3.9
Saudi Arabia	35	3.6	35	3.4
Indonesia (e)	36	2.8	36	2.8
Luxembourg	37	2.7	37	2.7
Thailand (e)	38	2.3	38	2.1
Hungary	39	2.1	40	2.0
		22.3		22.3
World		902.2		850.3

Monthly crude steel production

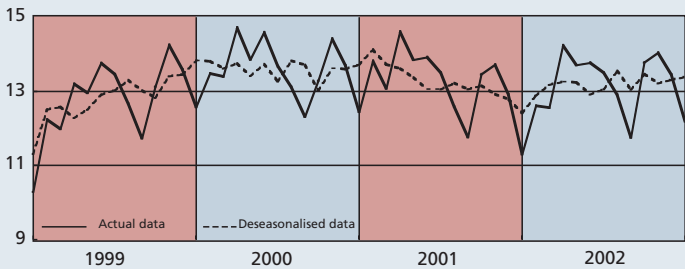
1999 to 2002

million metric tons

Total 64 reporting countries



European Union (15)



The 64 Reporting Countries

Argentina; Australia; Austria; Belgium; Brazil; Bulgaria; Byelorussia; Canada; Chile; China; Colombia; Croatia; Cuba; Czech Republic; Denmark; Dominican Republic; Ecuador; Egypt; El Salvador; Finland; France; FR Germany; Greece; Guatemala; Hungary; India; Iran; Ireland; Italy; Japan; Kazakhstan; Libya; Luxembourg; Mexico; Moldova; Netherlands; New Zealand; Norway; Paraguay; Peru; Poland; Portugal; Qatar; Romania; Russia; Saudi Arabia; Serbia and Montenegro; Slovakia; Slovenia; South Africa; South Korea; Spain; Sweden; Taiwan, China; Trinidad and Tobago; Tunisia; Turkey; Ukraine; United Kingdom; United States; Uruguay; Uzbekistan; Venezuela and Zimbabwe.

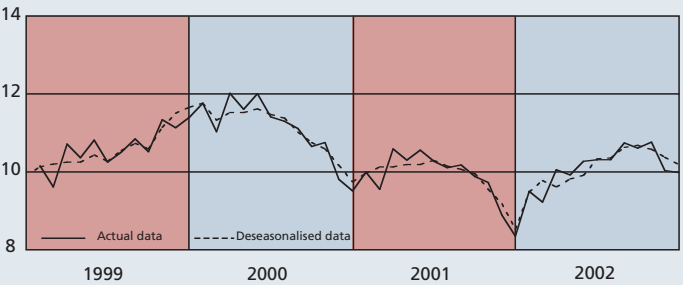
In 2002 these 64 countries accounted for approximately 98% of world crude steel production.

Monthly crude steel production

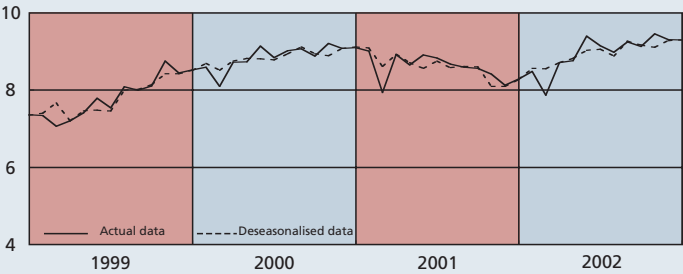
1999 to 2002

million metric tons

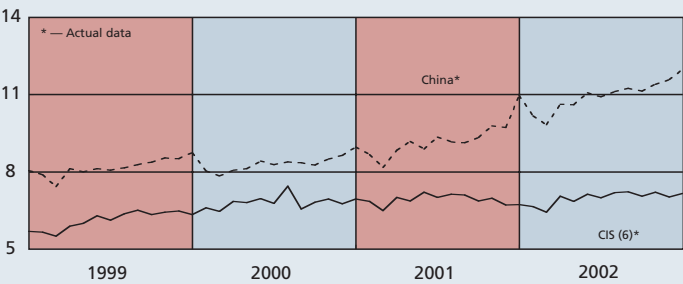
NAFTA



Japan



CIS (6) and China



Crude Steel Production by Process, 2002

	Production million metric tons	Oxygen %	Electric %	Open Hearth %	Other %	Total %
Austria	6.2	89.5	10.5	-	-	100.0
Belgium	11.3	75.0	25.0	-	-	100.0
Finland	4.0	76.3	23.8	-	-	100.0
France	20.3	61.1	38.9	-	-	100.0
FR Germany	45.0	70.7	29.3	-	-	100.0
Italy	26.1	35.8	64.2	-	-	100.0
Luxembourg	2.7	-	100.0	-	-	100.0
Netherlands	6.1	98.0	2.0	-	-	100.0
Spain	16.4	25.6	74.4	-	-	100.0
Sweden	5.8	66.3	33.7	-	-	100.0
United Kingdom	11.7	75.1	24.9	-	-	100.0
Other EU	3.0	-	100.0	-	-	100.0
European Union (15)	158.6	58.9	41.1	-	-	100.0
Czech Republic	6.5	91.9	8.1	-	-	100.0
Hungary	2.1	80.5	19.5	-	-	100.0
Poland	8.4	69.3	30.6	0.1	-	100.0
Romania	5.5	52.7	47.3	-	-	100.0
Slovakia	4.3	93.0	7.0	-	-	100.0
Turkey	16.5	31.2	68.8	-	-	100.0
Others	4.9	39.0	60.9	-	0.1	100.0
Other Europe	48.1	57.0	43.0	0.0	0.0	100.0
Russia	59.8	61.4	14.9	23.7	-	100.0
Ukraine	33.4	49.9	3.0	47.2	-	100.0
Other former USSR	7.8	61.9	29.7	8.4	-	100.0
former USSR	101.0	57.6	12.1	30.3	-	100.0
Canada	16.0	59.7	40.3	-	-	100.0
Mexico	14.1	29.3	70.7	-	-	100.0
United States	92.2	49.3	50.7	-	-	100.0
NAFTA	122.3	48.3	51.7	-	-	100.0
Argentina	4.4	41.9	58.1	-	-	100.0
Brazil	29.6	79.8	20.2	-	-	100.0
Chile	1.3	79.2	20.8	-	-	100.0
Venezuela	4.2	-	100.0	-	-	100.0
Others	2.6	23.7	76.3	-	-	100.0
Central and South America	42.0	64.5	35.5	-	-	100.0
Egypt	4.3	26.7	73.3	-	-	100.0
South Africa	9.1	54.6	45.4	-	-	100.0
Other Africa	2.3	20.2	79.8	-	-	100.0
Africa	15.7	43.5	56.5	-	-	100.0
Iran	7.3	29.8	70.2	-	-	100.0
Saudi Arabia	3.6	-	100.0	-	-	100.0
Other Middle East	1.3	-	100.0	-	-	100.0
Middle East	12.2	17.9	82.1	-	-	100.0
China	181.6	71.9	16.0	1.1	11.0	100.0
India	28.8	50.3	42.7	6.9	-	100.0
Japan	107.7	72.9	27.1	-	-	100.0
South Korea	45.4	54.8	45.2	-	-	100.0
Taiwan, China	18.2	57.3	42.7	-	-	100.0
Other Asia	10.7	-	100.0	-	-	100.0
Asia	392.4	66.0	27.8	1.0	5.1	100.0
Australia	7.5	81.8	18.2	-	-	100.0
New Zealand	0.8	71.8	28.2	-	-	100.0
World	900.5	60.0	33.9	3.8	2.2	100.0

Continuously-Cast Steel Output, 2000 to 2002

	million metric tons			% crude steel output		
	2000	2001	2002	2000	2001	2002
Austria	5.5	5.7	6.0	96.2	96.4	96.9
Belgium	11.6	10.7	11.3	99.8	99.8	99.8
Finland	4.1	3.9	4.0	99.5	99.4	99.5
France	19.9	18.3	19.5	95.0	94.7	96.5
FR Germany	44.7	43.0	43.4	96.3	96.0	96.4
Italy	25.8	25.5	25.1	96.3	96.0	96.3
Luxembourg	2.5	2.6	2.7	97.5	97.2	98.6
Netherlands	5.5	5.9	6.0	97.2	97.8	98.0
Spain	15.3	15.9	15.9	96.5	96.5	96.8
Sweden	4.6	4.9	5.1	87.2	89.1	88.8
United Kingdom	14.5	13.0	11.2	95.5	96.2	95.8
Other EU	3.3	2.9	3.0	99.0	99.2	99.2
European Union (15)	157.2	152.4	153.2	96.2	96.2	96.6
Czech Republic	5.4	5.5	5.8	87.1	87.1	89.0
Hungary	1.9	2.0	2.0	100.0	100.0	99.8
Poland	6.2	5.2	6.0	59.1	59.0	71.7
Romania	3.1	3.2	3.6	65.3	65.5	65.9
Slovakia	3.7	4.0	4.3	99.3	99.4	99.5
Turkey	14.1	15.0	16.5	98.7	99.9	100.0
Others	3.3	3.1	3.2	65.4	64.3	66.2
Other Europe	37.8	38.0	41.3	81.3	82.8	86.3
Russia	29.4	30.0	32.5	49.7	50.9	54.3
Ukraine	6.2	6.6	6.6	19.6	19.8	19.9
Other former USSR	3.3	3.4	2.9	40.6	41.7	37.7
former USSR	38.9	39.9	42.1	39.3	39.9	41.7
Canada	16.2	14.9	15.6	97.8	97.6	97.7
Mexico	14.8	13.1	14.0	94.7	98.6	99.7
United States	98.1	87.3	89.5	96.4	96.9	97.0
NAFTA	129.1	115.3	119.1	96.4	97.2	97.4
Argentina	4.4	4.0	4.3	98.1	97.9	98.0
Brazil	25.1	24.5	27.4	90.2	91.6	92.6
Venezuela	3.8	3.8	4.2	100.0	100.0	100.0
Other Latin America	3.4	3.2	3.3	83.6	85.0	86.0
Central and South America	36.7	35.5	39.2	91.3	92.5	93.3
Egypt	2.8	3.7	4.2	96.9	97.4	97.7
South Africa	8.3	8.7	9.0	98.2	98.2	98.4
Other Africa	1.5	1.1	1.1	94.9	87.9	91.1
Africa	12.5	13.4	14.3	97.5	97.0	97.6
Iran	6.6	6.9	7.3	100.0	100.0	100.0
Saudi Arabia	3.0	3.4	3.6	100.0	100.0	100.0
Other Middle East	1.0	1.2	1.3	100.0	100.0	100.0
Middle East	10.6	11.5	12.2	100.0	100.0	100.0
China	111.1	135.6	167.9	87.3	89.9	92.5
India	16.4	17.3	18.8	60.9	63.3	65.2
Japan	103.6	100.3	105.3	97.3	97.5	97.8
South Korea	42.5	43.2	44.8	98.6	98.5	98.6
Taiwan, China	16.8	17.2	18.1	99.4	99.5	99.5
Other Asia	9.6	9.9	10.0	100.0	100.0	100.0
Asia	300.0	323.5	365.0	90.8	91.9	93.2
Australia	7.1	7.0	7.5	99.4	99.4	99.4
New Zealand	0.8	0.8	0.8	108.9	100.0	100.0
World	730.7	737.3	794.5	86.5	87.1	88.4

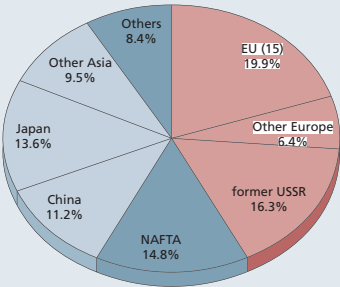
Steel production and consumption: geographical distribution, 1992

World Total: 771 million metric tons crude steel

Production

Others comprise:

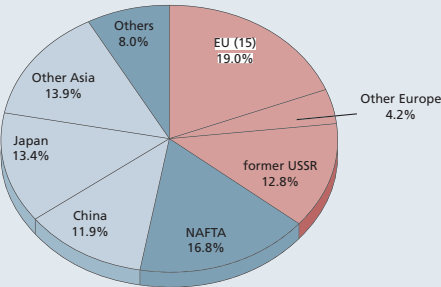
Africa	1.7%	Central and South America	4.4%
Middle East	0.5%	Australia and New Zealand	0.9%



Consumption (crude steel equivalent)

Others comprise:

Africa	2.0%	Central and South America	3.0%
Middle East	1.6%	Australia and New Zealand	0.9%



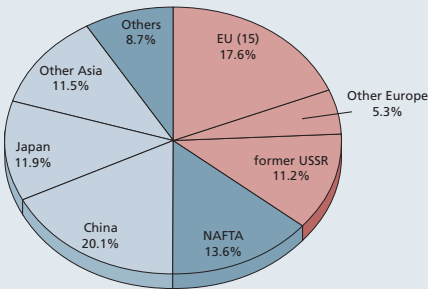
Steel production and consumption: geographical distribution, 2002

World Total: 845 million metric tons crude steel

Production

Others comprise:

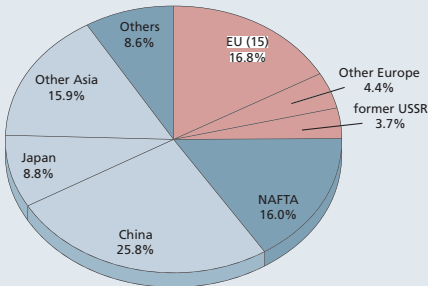
Africa	1.5%	Central and South America	4.5%
Middle East	1.2%	Australia and New Zealand	1.1%



Consumption (crude steel equivalent)

Others comprise:

Africa	2.0%	Central and South America	3.5%
Middle East	2.0%	Australia and New Zealand	0.9%



World steel trade by area, 2001

million metric tons

Exporting Region \ Destination	European Union (15)	Other Europe	former USSR	North America	Latin America	Africa & Middle East	China	Japan	Other Asia	Oceania	Total Imports	of which: extra-regional imports*
European Union (15)	75.5	13.7	7.7	0.2	1.7	1.6	0.4	1.8	1.5	0.1	102.7	27.7
Other Europe	13.0	4.0	7.1	0.0	0.1	0.0	0.1	0.3	0.4	0.0	24.9	20.9
former USSR	2.4	2.3	4.3	0.0	0.0	0.0	0.0	0.1	0.0	0.0	9.0	4.7
North America	6.3	1.9	2.4	7.9	7.1	0.7	1.0	2.4	4.2	0.1	33.9	26.0
Latin America	1.6	0.8	3.1	1.8	2.3	0.3	0.1	1.3	0.7	0.1	11.9	9.6
Africa	2.6	1.4	4.6	0.1	0.1	1.7	0.1	0.4	0.2	0.1	11.1	9.4
Middle East	1.9	3.0	8.5	0.1	4.6	0.2	0.2	1.5	1.1	0.0	21.0	20.3
China	0.7	0.5	9.0	0.0	0.3	0.5	-	4.4	10.1	0.0	25.6	25.8
Japan	0.1	0.0	0.1	0.0	0.0	0.0	0.3	-	3.6	0.0	4.0	4.0
Other Asia	2.6	1.1	10.0	0.3	2.4	3.3	5.0	17.8	10.0	0.3	52.9	42.9
Oceania	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.5	0.3	1.7	1.4
Total Exports	106.3	28.6	56.7	10.5	18.6	8.5	7.2	29.5	32.1	1.0	298.8	193.1
of which: extra-regional exports*	31.3	24.6	52.4	2.6	16.3	6.5	7.2	29.5	22.0	0.7	193.1	
Net Exports (exports-imports)	3.6	3.7	47.6	-23.4	6.7	-23.7	-18.4	25.5	-20.8	-0.7		

* - excluding intra-regional trade marked 

The major importers and exporters of steel, 2001

million metric tons

Rank	Total Exports		Rank	Total Imports	
1	Japan	29.5	1	United States	27.8
2	Russia	25.6	2	China	25.6
3	Ukraine	24.4	3	FR Germany	19.0
4	FR Germany	23.9	4	Italy	17.2
5	Belgium-Luxembourg	20.5	5	France	16.1
6	France	16.9	6	Belgium-Luxembourg	11.5
7	South Korea	14.0	7	South Korea	10.7
8	Italy	11.8	8	Spain	10.0
9	Turkey	10.6	9	Taiwan, China	8.3
10	Brazil	9.3	10	Hong Kong	8.2
11	Taiwan, China	8.0	11	United Kingdom	8.1
12	China	7.5	12	Thailand	7.2
13	United Kingdom	6.9	13	Canada	6.3
14	Netherlands	6.2	14	Netherlands	5.6
15	Spain	5.9	15	Turkey	5.5
16	United States	5.7	16	Mexico	5.3
17	Austria	5.1	17	Iran	4.7
18	Canada	4.6	18	Malaysia	4.6
19	Czech Republic	4.4	19	Japan	4.1
20	South Africa	4.3	20	Vietnam	3.5

Rank	Net Exports (exports-imports)		Rank	Net Imports (imports-exports)	
1	Japan	25.4	1	United States	22.1
2	Ukraine	24.0	2	China	18.1
3	Russia	22.5	3	Hong Kong	5.8
4	Belgium-Luxembourg	9.1	4	Thailand	5.6
5	Brazil	8.2	5	Italy	5.4
6	Turkey	5.1	6	Iran	4.1
7	FR Germany	4.8	7	Spain	4.1
8	South Africa	4.0	8	Vietnam	3.5
9	South Korea	3.3	9	Philippines	2.8
10	Kazakhstan	2.9	10	Portugal	2.4
11	Austria	2.3	11	Singapore	2.3
12	Slovakia	2.2	12	United Arab Emirates	2.2
13	Czech Republic	1.5	13	Malaysia	2.1
14	India	1.4	14	Indonesia	2.1
15	Argentina	1.3	15	Greece	2.0

World steel exports, analysis by product

1997 to 2001

million metric tons

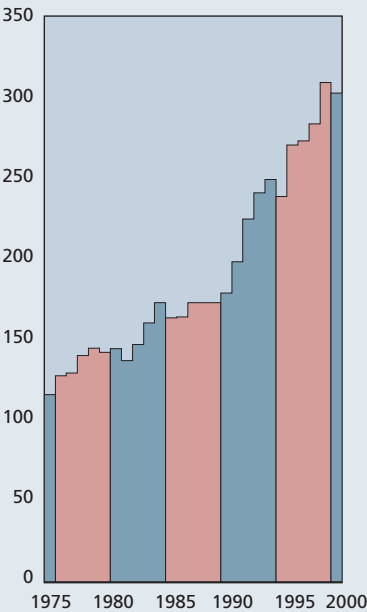
Product	1997	1998	1999	2000	2001
Ingots and semi-finished material	41,6	35,0	44,9	48,1	47,3
Railway track material	2,5	2,6	2,8	2,2	2,5
Angles, shapes and sections	17,2	17,3	16,1	18,5	17,8
Concrete re-inforcing bars	10,2	10,4	11,0	11,1	13,2
Bars and rods, hot-rolled	9,7	10,2	8,7	9,0	9,3
Wire rod	15,5	14,5	15,5	16,9	16,3
Drawn wire	3,7	4,2	4,4	4,3	4,2
Other bars and rods	2,7	3,2	3,1	3,6	3,8
Hot-rolled strip	2,6	2,6	2,7	3,1	3,4
Cold-rolled strip	2,8	2,9	3,0	3,5	3,2
Hot-rolled sheets and coils	39,5	44,1	45,8	49,1	43,7
Plates	15,4	17,0	15,8	17,0	17,7
Cold-rolled sheets and coils	22,9	25,9	26,9	29,1	26,9
Electrical sheet and strip	1,9	2,0	2,1	2,7	2,6
Tinmill products	5,5	5,6	5,8	6,5	6,0
Galvanised sheet	15,1	17,9	19,1	22,1	20,5
Other coated sheet	4,6	5,5	5,4	6,4	6,1
Steel tubes and fittings	21,7	21,8	18,8	21,2	23,8
Wheels (forged and rolled) and axles	0,3	0,3	0,7	0,3	0,3
Castings	0,4	0,4	0,4	0,5	0,5
Forgings	0,4	0,4	0,4	0,5	0,8
Other	0,0	0,0	0,0	0,0	0,0
Total	236,2	243,8	253,4	275,8	270,0

Exports in World Steel in Figures include intra-EU trade and trade between countries of the former CMEA, and are based on a broad definition of the steel industry and its products, including ingots, semi-finished products, hot-rolled and cold-finished products, tubes, wire, and unworked castings and forgings. In a change to previous editions of World Steel in Figures, the above data comprise the exports of 37 countries*, which represents more than 90 per cent of total world trade in 2001.

*- revised from 42 countries.

World trade in steel products, 1975 to 2001

million metric tons finished steel

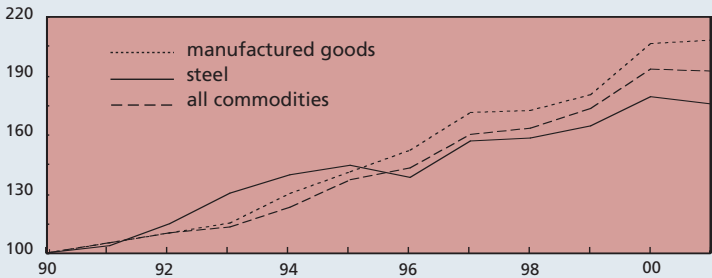


Year	Exports	Production	Exports %
1976	126.1	533.7	23.6
1977	127.9	536.5	23.8
1978	138.6	571.7	24.2
1979	143.1	598.7	23.9
1980	140.6	578.7	24.3
1981	142.8	574.3	24.9
1982	135.5	528.7	25.6
1983	145.3	546.5	26.6
1984	158.8	588.4	27.0
1985	171.0	599.0	28.5
1986	161.7	597.4	27.1
1987	162.3	615.5	26.4
1988	171.1	656.8	26.1
1989	171.2	664.4	25.8
1990	171.0	654.0	26.2
1991	177.1	634.6	27.9
1992	196.1	632.6	31.0
1993	222.5	639.3	34.8
1994	238.6	631.0	37.8
1995	246.7	658.5	37.5
1996	236.3	660.0	35.8
1997	267.9	701.4	38.2
1998	270.4	685.1	39.5
1999	281.0	696.5	40.3
2000	306.2	750.7	40.8
2001	299.9	753.7	39.8

Exports are of finished and semi-finished steel products. Production of finished steel, where not available from national sources, is calculated from crude steel production, taking into account the continuous casting ratio.

World volume of trade 1990 to 2001

Quantum indices 1990 = 100



Iron ore, 2001

million metric tons actual weight

Fe		Apparent		
Content (1)	Production	- Exports	+ Imports =	Consumption
Austria (32)	1.9	0.0	3.1	5.0
Belgium-Luxembourg ..	-	0.0	11.2	11.2
France (33)	-	0.1	16.7	16.7
FR Germany (28)	-	0.0	40.1	40.1
Italy ..	-	0.0	15.4	15.4
Netherlands ..	-	0.0	8.3	8.2
Spain (48)	-	0.0	5.9	5.9
Sweden (63)	19.5	13.3	0.1	6.3
United Kingdom (27)	-	0.0	15.4	15.4
Other EU ..	-	0.1	4.1	4.0
European Union (15)	21.4	13.5	120.2	128.1
former CSFR	0.4	-	13.8	14.2
Norway (65)	0.5	0.4	0.3	0.4
Poland	-	-	8.3	8.3
Other Europe ..	4.6	0.6	13.0	16.9
Europe	26.9	14.6	155.6	167.9
former USSR (60)	152.0	50.0	21.4	123.4
Canada (63)	27.9	22.0	5.7	11.7
Mexico (65)	16.5	-	2.1	18.6
United States (60)	45.8	5.7	10.6	50.8
NAFTA	90.2	27.6	18.5	81.0
Brazil (66)	208.7	155.7	0.0	53.0
Chile (61)	8.0	6.0	0.0	2.0
Peru (60)	4.5	4.1	0.0	0.4
Venezuela (64)	19.0	6.9	0.0	12.1
Other America ..	0.5	1.9	7.8	6.4
Central and South America	240.7	174.6	7.8	73.8
Mauritania (65)	10.3	10.1	-	0.2
South Africa (65)	34.8	23.5	0.5	11.8
Other Africa ..	4.6	0.1	5.4	9.9
Africa	49.7	33.7	5.9	21.9
Middle East	12.1	0.3	8.6	20.3
China (28)	217.0	0.0	92.4	309.4
India (61)	79.2	37.2	0.3	42.3
Japan (57)	-	-	126.3	126.3
South Korea ..	0.0	0.1	39.5	39.5
Other Asia ..	1.8	3.3	21.6	20.1
Asia	298.0	40.6	280.1	537.5
Australia (65)	180.5	157.2	2.1	25.4
New Zealand and ..	1.6	1.3	0.0	0.4
Other Oceania				
World	1,051.8	500.0	500.0	1,051.8

(1) of domestic production: percentage Fe of total weight.

World iron ore trade by area, 2001

million metric tons actual weight

Exporting Region Destination	European Union (15)	Other Europe	former USSR	NAFTA	Central and South America	Africa & Middle East	Asia	Oceania	Total Imports	of which: extra-regional imports*
European Union (15)	10.1	0.9	4.1	11.9	60.7	16.3	1.0	15.2	120.2	110.2
Other Europe	0.9	-	24.4	0.4	6.4	1.2	0.8	1.4	35.4	35.4
former USSR	-	-	21.4	-	-	-	-	-	21.4	0.0
NAFTA	0.2	0.0	0.0	10.1	7.6	0.2	-	0.4	18.5	8.4
Central and South America	0.0	-	-	1.2	6.6	-	-	-	7.8	1.2
Africa and Middle East	2.4	-	-	0.1	11.1	0.2	0.6	-	14.5	14.3
China	-	-	0.1	0.6	30.3	9.4	13.9	38.0	92.4	78.5
Japan	0.0	-	-	0.9	31.7	5.6	19.9	68.3	126.3	106.4
Other Asia	0.0	0.1	-	1.5	19.8	1.2	3.7	35.2	61.4	57.7
Oceania	-	-	-	1.0	0.3	-	0.8	0.0	2.1	2.1
Total Exports	13.5	1.0	50.0	27.6	174.6	34.0	40.6	158.5	500.0	414.2
of which: extra-regional exports*	3.5	1.0	28.6	17.6	168.0	33.9	3.2	158.5	414.2	
Net Exports (exports-imports)	-106.7	-34.2	28.6	9.2	166.9	19.6	-20.8	156.4		

* - excluding intra-regional trade marked 

Scrap: consumption, trade, and apparent domestic supply, 2001

million metric tons

	Consumption	- Imports	+ Exports	Apparent = Domestic Supply
Austria	2.1	0.8	0.8	2.0
Belgium-Luxembourg	6.9	5.6	2.0	3.3
Finland	1.5	0.5	0.4	1.4
France	10.3	3.0	4.3	11.7
FR Germany	19.1	3.6	6.6	22.2
Italy	19.6	4.3	0.2	15.4
Netherlands	1.3	1.3	3.2	3.2
Spain	13.9	6.3	0.0	7.6
Sweden	2.6	0.4	0.6	2.8
United Kingdom	5.0	0.2	4.8	9.7
Other EU	3.1	1.3	1.1	3.0
European Union (15)	85.5	27.2	23.9	82.2
Bulgaria	1.1	-	-	1.1
Czech Republic	2.3	-	-	2.3
Hungary	0.8	-	-	0.8
Poland	4.3	-	-	4.3
Romania	2.7	-	-	2.7
Slovakia	1.5	-	-	1.5
Turkey	13.2	5.1	-	8.2
Others	2.7	0.6	0.6	2.7
Other Europe	28.5	5.6	0.6	23.5
former U.S.S.R.	42.2	0.1	10.6	52.6
Canada	8.0	1.1	1.9	8.8
Mexico	6.2	1.5	0.2	4.8
United States	52.2	2.6	7.4	57.0
NAFTA	66.4	5.3	9.6	70.7
Argentina	1.4	-	-	1.4
Brazil	7.0	-	-	7.0
Venezuela	1.3	-	-	1.3
Other Central and South America	0.4	-	-	0.4
Central and South America	11.9	-	-	11.9
South Africa	1.8	-	-	1.8
China	49.5	9.8	0.0	39.7
Japan	40.8	0.2	6.2	46.8
South Korea	22.4	8.1	0.1	14.3
Taiwan, China	9.1	-	-	9.1
Other Asia	12.9	1.1	-	11.8
Asia	134.7	19.2	6.2	121.8
Australia	2.5	0.0	1.0	3.5
World	373.4	57.4	51.9	368.0

Pig iron, 2001 and 2002

million metric tons

	Production 2002	Production 2001	- Exports 2001	+ Imports 2001	Apparent = Consumption 2001
Austria	4.6	4.4	0.0	0.0	4.4
Belgium-Luxembourg	8.0	7.7	0.1	0.2	7.8
Finland	2.8	2.9	0.0	0.0	2.9
France	13.5	12.3	0.0	0.2	12.5
FR Germany	29.4	29.2	0.1	0.3	29.4
Italy	9.8	11.2	0.0	1.3	12.5
Netherlands	5.4	5.3	0.1	0.1	5.4
Portugal	0	0.1	0.0	0.0	0.1
Spain	4.0	4.2	0.0	0.3	4.5
Sweden	3.7	3.6	0.0	0.0	3.6
United Kingdom	8.6	9.9	0.0	0.2	10.0
European Union (15)	89.8	90.8	0.4	2.9	93.3
Bulgaria	1.1	1.2	-	-	1.2
Czech Republic	4.8	4.7	-	-	4.7
Hungary	1.3	1.2	-	-	1.2
Poland	5.3	5.4	-	-	5.4
Romania	2.5	3.1	-	-	3.1
Slovakia	3.5	3.3	-	-	3.3
Turkey	5.0	5.3	-	-	5.3
Others	0.6	0.6	0.0	0.1	0.7
Other Europe	24.3	24.7	0.0	0.1	24.8
Kazakhstan	3.9	3.9	-	-	3.9
Russia	46.2	44.9	5.8	0.0	39.2
Ukraine	27.1	26.4	-	-	26.4
Other former USSR	-	-	-	-	0.0
former USSR	77.2	75.2	5.8	0.0	69.4
Canada	8.7	8.3	0.1	0.1	8.3
Mexico	4.0	4.4	0.1	1.0	5.2
United States	40.2	42.1	0.0	4.4	46.4
NAFTA	52.9	54.8	0.3	5.4	59.9
Argentina	2.2	1.9	-	-	1.9
Brazil	29.6	27.4	-	0.0	27.4
Chile	1.0	0.9	-	-	0.9
Other Latin America	0.6	0.7	-	-	0.7
Central and South America	33.4	30.9	-	0.0	30.9
Egypt	1.7	1.4	-	-	1.4
South Africa	5.8	5.8	-	-	5.8
Other Africa	0.4	1.6	-	-	1.6
Africa	7.8	8.8	-	-	8.8
Iran	2.2	2.2	-	-	2.2
China	170.7	147.1	0.7	0.5	146.9
India	24.3	21.9	0.3	0.0	21.6
Japan	81.0	78.8	0.5	0.2	78.5
South Korea	26.6	25.9	0.0	1.4	27.3
Taiwan, China	10.2	10.0	-	-	10.0
Other Asia	1.3	1.3	0.0	0.4	1.7
Asia	314.1	285.0	1.5	2.5	286.0
Australia	6.1	6.0	0.0	0.0	6.0
New Zealand	0.6	0.6	-	-	0.6
World	608.4	579.0	8.0	10.9	582.0

Direct reduced iron production, 1997 - 2002

million metric tons

	1997	1998	1999	2000	2001	2002
FR Germany	0.47	0.45	0.40	0.46	0.21	0.54
Sweden	0.13	0.12	0.12	0.13	0.11	0.11
European Union (15)	0.60	0.57	0.52	0.58	0.32	0.65
Russia	1.73	1.73	1.88	1.92	2.51	2.91
Canada	1.39	1.24	0.92	1.13	0.00	0.18
Mexico	4.44	5.58	6.07	5.59	3.67	4.57
United States	0.51	1.60	1.67	1.56	0.12	0.47
NAFTA	6.34	8.43	8.66	8.27	3.79	5.22
Argentina	1.50	1.54	0.99	1.42	1.28	1.48
Brazil	0.32	0.34	0.40	0.41	0.34	0.36
Peru	0.07	0.06	0.05	0.08	0.06	0.03
Trinidad and Tobago	1.14	1.02	1.38	1.52	2.03	2.32
Venezuela	5.61	5.42	5.07	6.41	5.47	3.61
Central and South America	8.64	8.38	7.88	9.85	9.19	7.79
Egypt	1.19	1.61	1.67	2.11	2.37	2.53
Libya	1.01	1.00	1.30	1.49	1.06	1.16
Nigeria	0.00	-	-	-	-	-
South Africa	1.12	1.07	1.26	1.53	1.56	1.70
Africa	3.31	3.68	4.23	5.12	4.99	5.39
Iran	4.33	3.51	4.03	4.54	5.00	5.28
Qatar	0.56	0.71	0.67	0.62	0.73	0.75
Saudi Arabia	2.11	2.27	2.34	3.06	2.88	3.28
Middle East	7.00	6.48	7.04	8.22	8.61	9.31
China	0.07	0.08	0.11	0.05	0.11	0.22
India	5.12	5.12	5.29	5.50	5.72	5.73
Indonesia	1.53	1.57	1.74	1.74	1.49	1.50
Malaysia	1.49	0.88	0.95	1.24	1.02	1.08
Myanmar	0.04	0.04	0.03	0.04	0.04	0.04
Asia	8.25	7.69	8.12	8.56	8.38	8.57
Australia	-	-	0.32	0.33	1.37	1.02
World	35.87	36.96	38.65	42.85	39.16	40.87

Employment in the steel industry

1975 - 2002

thousand at end of year

	1975	1980	1985	1990	1995	2000	2001	2002
Austria	42	39	34	21	13	12	12	12
Belgium	58	45	35	26	24	20	21	19
Denmark	3	2	2	1	1	1	1	1
Finland	14	15	10	10	7	9	9	9
France	156	105	76	46	39	37	37	37
FR Germany (1)	213	197	151	125	93	77	76	74
Greece	0	4	4	3	3	2	2	2
Ireland	0	1	1	1	0	0	0	0
Italy	96	100	67	56	42	39	38	37
Luxembourg	21	15	13	9	6	4	4	4
Netherlands	25	21	19	17	13	12	11	11
Portugal	5	7	6	4	3	2	1	1
Spain	91	81	54	36	25	22	22	23
Sweden	51	48	31	26	21	20	19	19
United Kingdom	184	112	59	51	38	27	26	21
European Union	958	792	561	434	328	284	280	269
Serbia and Montenegro (2)	74	n/a	56	69	17	15	10	9
Canada	54	61	69	53	56	58	56	58
United States	457	399	238	204	171	151	140	124
Brazil	124	132	133	115	78	65	65	65
South Africa	71	70	65	54	39	24	20	19
Japan	447	380	349	305	252	197	186	176
South Korea	n/a	n/a	n/a	67	67	57	57	57
Australia	38	n/a	30	30	22	21	20	19
Total of above	2 223	1 834	1 500	1 331	1 030	872	834	796

(1) - includes former German Democratic Republic after 1990.

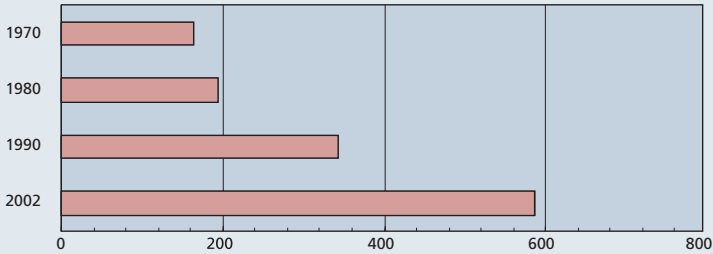
(2) - Yugoslavia 1975-1990

Totals are rounded. United States figures are averages for 12 months. Various other differences in coverage and definition exist, so that inter-country comparisons are of dubious value.

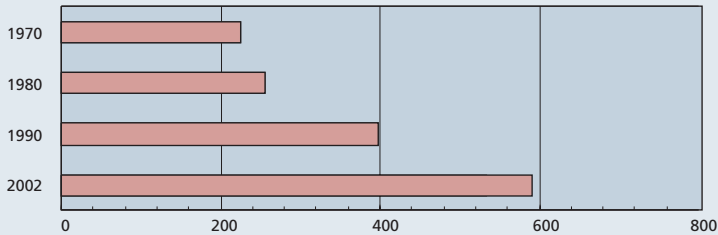
Crude steel production per employee

metric tons

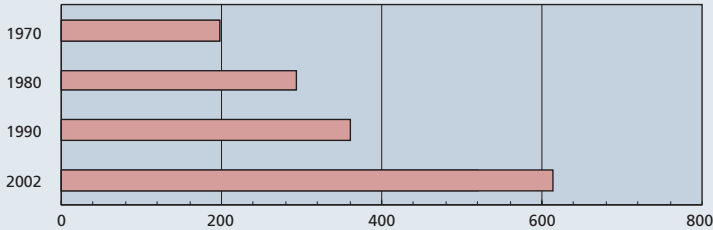
EU (15)



United States and Canada



Japan



Apparent Steel Consumption, 1996 to 2002

million metric tons finished steel products

	1996	1997	1998	1999	2000	2001	2002
Austria	2.8	3.5	3.9	3.8	4.2	3.9	4.3
Belgium-Luxembourg	3.7	3.9	4.3	3.9	4.1	3.6	3.7
France	14.0	15.5	16.6	16.5	18.0	16.5	16.3
FR Germany	31.6	34.0	34.6	35.2	37.0	35.6	34.2
Italy	23.3	27.5	29.3	29.6	30.6	30.1	29.1
Netherlands	4.6	4.7	5.6	5.1	4.7	4.5	4.3
Spain	11.6	13.7	15.6	17.5	17.4	18.9	19.3
Sweden	2.9	3.1	3.5	3.5	3.6	3.1	3.1
United Kingdom	13.1	14.0	14.5	13.5	13.1	13.3	12.6
Other EU	8.3	9.7	10.2	9.8	11.2	10.8	11.0
European Union (15)	115.8	129.6	138.1	138.3	144.0	140.3	137.9
Czech Republic	3.2	3.7	3.7	3.3	3.9	4.0	4.1
Poland	6.1	6.1	6.6	6.7	7.6	7.1	6.9
Romania	3.5	3.3	2.8	2.1	2.6	2.7	2.8
Turkey	10.1	11.9	12.1	11.0	12.7	11.0	13.2
Others	8.6	9.0	9.3	8.5	8.6	8.8	9.1
Other Europe	31.5	34.0	34.5	31.6	35.3	33.6	36.1
Europe	147.3	163.6	172.6	169.9	179.3	173.9	174.0
Russia	16.4	15.6	15.4	19.8	22.5	24.2	21.4
Ukraine	5.4	4.1	3.0	2.4	2.1	2.7	2.7
Other former USSR	4.9	6.1	3.5	3.6	5.7	6.1	6.0
former USSR	26.7	25.8	21.9	25.8	30.3	33.0	30.1
Canada	13.3	15.4	15.8	16.2	17.8	15.2	15.8
Mexico	8.0	11.1	12.6	12.8	14.1	13.1	13.9
United States	103.1	108.0	115.7	110.9	114.7	101.6	101.7
NAFTA	124.4	134.5	144.1	139.9	146.6	129.9	131.4
Argentina	3.2	3.7	3.8	3.1	3.0	2.6	1.8
Brazil	13.0	15.3	14.5	14.1	15.8	16.7	16.5
Venezuela	2.1	2.5	1.9	1.7	2.2	2.2	2.0
Others	4.0	4.3	4.3	3.0	4.0	7.2	7.1
Central and South America	22.3	25.8	24.5	21.9	24.9	28.7	27.5
Egypt	3.9	4.6	4.6	5.1	4.0	4.4	3.7
South Africa	4.0	4.5	4.0	3.8	4.0	4.2	4.9
Other Africa	5.4	6.0	7.7	6.0	7.1	7.4	7.4
Africa	13.3	15.0	16.4	14.9	15.1	16.0	15.9
Iran	5.7	6.9	5.7	6.1	7.8	6.9	7.2
Other Middle East	8.5	9.0	10.1	10.2	9.9	11.8	12.5
Middle East	14.2	15.9	15.8	16.2	17.7	18.7	19.7
China	97.3	103.5	113.9	130.8	141.2	174.2	211.2
India	22.8	22.9	23.2	25.1	26.3	27.1	29.5
Japan	80.6	82.1	70.3	68.9	76.1	73.2	72.0
South Korea	37.6	38.1	24.7	33.8	38.5	38.3	43.7
Taiwan, China	18.0	21.0	20.2	20.4	21.1	17.7	20.4
Other Asia	40.6	42.9	28.9	31.5	35.2	36.2	36.8
Asia	296.9	310.5	281.3	310.5	338.5	366.6	413.6
Australia and New Zealand	6.5	6.5	6.6	6.6	6.3	6.2	7.0
World	651.6	697.6	683.2	705.7	758.7	773.0	819.2

Complete booklet available on line at <http://www.worldsteel.org>

Founded in 1967, the International Iron and Steel Institute (IISI) is a non-profit research organisation whose members are steel-producing companies, national or regional steel federations, and steel research organisations in more than 50 countries. Together the countries in which IISI steel-producing member companies are located account for over 70 percent of total world steel production.

IISI undertakes research into economic, financial, technological, environmental and promotional aspects of world steel and into various raw materials and human resources matters on behalf of its members. It also collects, evaluates and disseminates world steel statistics.