

Information Society Statistics

Richard Deiss

4.5 million persons employed in the ICT sector in the EU

Statistics
in focus

INDUSTRY, TRADE
AND SERVICES

THEME 4 – 32/2002

Contents

Main results	1
Number of enterprises	2
Employment	3
Value added	4
Turnover	5
External trade	6

Main results

- In 1999 the ICT sector in the EU accounted for approximately 442 thousand enterprises, 90% of which were in the service sector. The ICT sector enterprises employed on average 10 persons per enterprise.
- Employment in the ICT sector was about 4.5 million persons in 1999, of which two-thirds in the service sector. The ICT sector represented about 2.8% of all employment in the EU.
- Value added by the ICT sector in the EU amounted to an estimated 365 billion EUR in 1999, approximately 4.6% of GDP. Value added per person employed reached 81 thousand EUR.
- Extra-EU imports of ICT goods in 2001 amounted to 171 billion EUR and exports to 120 billion EUR. The resulting 51 billion EUR trade deficit was over 20% narrower than the deficit in 2000 and reversed a trend of increasing deficits.

	ICT			Total economy	Share of ICT in total economy (%)
	EU-15	USA	Japan	EU-15	EU-15
Number of enterprises (thousands) (1)	442	:	:	:	:
Number of persons employed (thousands) (1)	4,500	5,168	:	158,365	2.8
Value added at factor cost (GDP for total) (billion EUR) (1, 2)	365	675	259	7,906	4.6
Imports (billion EUR) (3)	171	222	68	1,021	16.8
Exports (billion EUR) (3)	120	179	116	975	12.3

Table 1: ICT sector in 1999 and external trade of ICT goods in 2001

(1) EU-15, estimates, excluding EL. (2) Japan, excluding NACE 51.64, 72.1, 72.5 and 72.6, including NACE 71.33. (3) Imports and exports relate to external trade of goods only; EU-15, estimates.

Source: New Cronos/theme4/sbs/enterpr/enter_ms for EU ICT sectoral data; OECD for USA and Japan ICT sectoral data; New Cronos/Theme2/aux_ind/aux_perm/ for total employment; New Cronos/Theme2/aggs/aggs_gdp for GDP; Comext for external trade data.



Number of enterprises

	Total ICT sector			ICT manufacturing				ICT services			of which telecommunication services		
	1997 (2)	1998 (3)	1999 (4, 5)	1997	1998	1999 (5)	2000	1997 (2)	1998 (3)	1999 (4)	1997	1998	1999
EU-15 (1)	:	:	442	:	:	44	:	:	:	397	:	:	13
B	:	:	8.9	:	:	0.2	0.5	:	:	8.7	:	:	0.3
DK	:	2.5	7.3	0.7	0.7	0.6	0.7	:	1.7	6.7	0.2	0.2	0.2
D	:	:	57.4	:	:	6.5	6.4	42.1	46.6	51.0	0.3	0.4	0.6
EL	:	:	:	:	:	:	:	:	:	:	:	:	:
E	18.1	20.3	22.9	1.6	1.6	1.6	1.6	16.5	18.6	21.3	1.1	1.2	1.0
F	44.8	47.4	49.5	7.1	7.0	6.9	6.5	37.7	40.4	42.6	1.1	1.6	2.4
IRL	1.7	2.3	:	0.2	0.2	0.2	0.2	1.4	2.1	:	0.1	:	:
I	69.7	81.1	90.4	13.5	13.6	14.3	:	56.3	67.5	76.1	0.3	0.5	0.6
L	0.7	0.8	0.9	0.0	0.0	0.0	:	0.7	0.8	0.9	0.0	0.0	0.0
NL	13.9	15.6	5.7	1.1	1.2	1.2	1.3	12.8	14.4	4.5	0.5	0.6	0.8
A	6.3	7.8	7.9	0.4	0.5	0.4	0.5	5.9	7.3	7.4	0.1	0.2	0.2
P	3.7	3.7	4.1	0.5	0.5	0.6	0.6	3.2	3.3	3.5	0.1	0.1	0.1
FIN	4.8	5.5	5.5	0.7	0.7	0.7	0.7	4.2	4.8	4.8	0.2	0.2	0.2
S	20.2	22.4	24.0	1.7	1.8	1.8	1.9	18.5	20.6	22.2	0.3	0.3	0.3
UK	100.2	120.5	143.1	8.2	7.9	9.4	9.5	92.1	112.6	133.7	4.1	5.0	5.9

Table 2: Number of enterprises in the ICT sector (thousands)

(1) Estimates, excluding EL. (2) E, excluding NACE 51.64. (3) DK, excluding NACE 72; IRL, excluding NACE 64.2.

(4) NL, excluding NACE 72. (5) L, excluding NACE 30.

Source: New Cronos/theme4/sbs/enterpr/enter_ms.

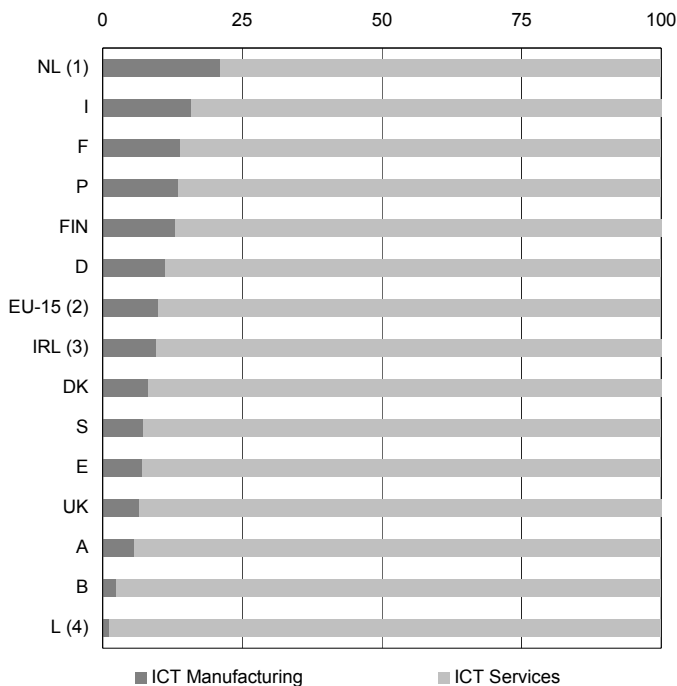


Figure 1: Breakdown of the number of ICT enterprises, 1999 (%)

(1) Excluding NACE 72. (2) Estimates, excluding EL.

(3) Excluding NACE 64.2; 1998. (4) Excluding NACE 30.

Source: New Cronos/theme4/sbs/enterpr/enter_ms.

In 1999 there were around 442,000 ICT enterprises in the EU, nearly one-third of which were in the United Kingdom. The next largest ICT business populations were in Italy, Germany and France with 20%, 13% and 11% of the estimated EU total respectively.

The service sector accounted for close to 90% of the total number of enterprises and the majority of these are in computer and related activities.

Over the four years shown in table 2, the number of ICT enterprises has increased in all of the Member States for which data is available. This increase can be observed both in ICT manufacturing and in ICT services, although it is stronger in the services sector.

Employment

	Total ICT sector			ICT manufacturing				ICT services			of which telecommunication services			
	1997 (2)	1998 (3, 4)	1999 (3, 5)	1997	1998	1999	2000 (6)	1997 (2)	1998 (4)	1999 (5)	1997	1998	1999	2000
EU-15 (1)	:	:	4,500	:	:	1,500	:	:	:	3,000	:	:	950	:
B	95.9	101.9	114.6	23.0	22.9	23.9	25.4	72.9	79.0	90.8	29.7	28.8	31.0	33.4
DK	:	62.1	99.3	22.7	20.3	21.8	22.5	:	41.7	77.5	15.3	19.6	20.5	21.0
D	:	:	785.9	:	:	359.6	371.8	:	:	426.4	:	:	:	:
EL	:	:	:	:	:	:	:	:	:	:	:	:	:	:
E	:	257.0	270.3	55.7	55.3	58.7	60.6	:	201.7	211.7	:	78.7	74.4	71.7
F	546.6	580.7	622.1	278.1	283.2	287.8	293.3	268.6	297.5	334.3	:	:	:	156.0
IRL	62.7	59.9	:	34.3	35.6	39.4	42.7	28.4	24.3	:	13.2	:	:	:
I	514.5	548.4	581.3	185.8	179.4	175.8	186.0	328.7	369.0	405.5	94.7	97.8	105.3	90.0
L	:	:	:	:	:	:	:	4.4	5.1	5.8	0.5	0.6	0.9	:
NL	182.1	200.1	:	64.8	61.1	59.2	24.0	117.3	139.1	:	:	:	49.6	60.7
A	136.9	101.7	103.9	39.4	39.3	38.5	40.9	97.5	62.5	65.3	64.5	23.5	24.4	24.3
P	67.1	71.1	72.9	26.6	28.1	27.8	26.5	40.6	43.0	45.1	20.5	21.8	21.2	21.2
FIN	79.8	89.4	98.7	36.9	40.9	45.7	48.4	42.9	48.5	53.0	16.9	18.1	19.4	22.4
S	150.2	170.1	186.7	64.6	69.2	74.0	74.2	85.6	100.9	112.7	:	:	:	:
UK	:	:	:	321.3	:	:	:	:	:	:	:	:	:	:
US	4,536.7	4,857.0	5,167.9	:	:	:	:	:	:	:	:	:	:	:
JP (7)	:	:	:	1,210.5	1,210.7	1,161.3	1,133.7	:	:	:	:	:	:	:

Table 3: Number of persons employed in the ICT sector (thousands)

(1) Estimates, excluding EL. (2) F, NL, S, excluding NACE 64.2. (3) DK, excluding NACE 31.3.
 (4) F, IRL, NL, S, excluding NACE 64.2; DK, excluding NACE 72. (5) D, F, S, excluding NACE 64.2.
 (6) DK, excluding NACE 31.3; NL, excluding NACE 32. (7) For 2000 survey methods have been revised.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms for EU Member States; OECD for USA and Japan.

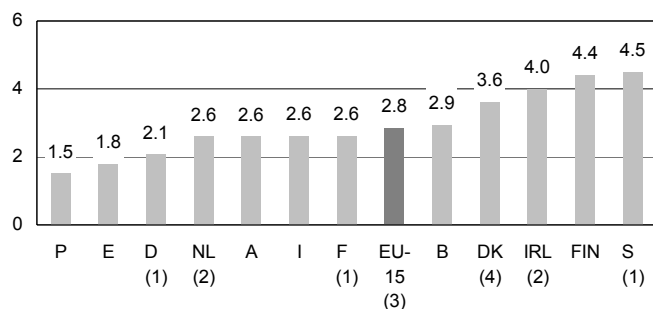


Figure 2: Share of the ICT sector in total employment, 1999 (%)

(1) Excluding NACE 64.2. (2) Excluding NACE 64.2; 1998.
 (3) Estimate, excluding EL. (4) Excluding NACE 31.3.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms for ICT employment; New Cronos/theme2/aux_ind/aux_perm/ for total employment.

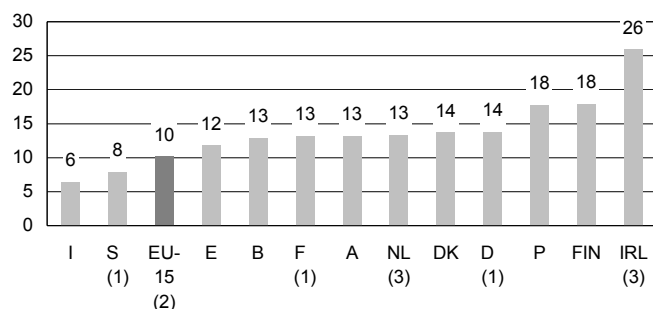


Figure 3: Persons employed per enterprise in the ICT sector, 1999 (%)

(1) Excluding NACE 64.2. (2) Estimates, excluding EL.
 (3) Excluding NACE 64.2; 1998.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms.

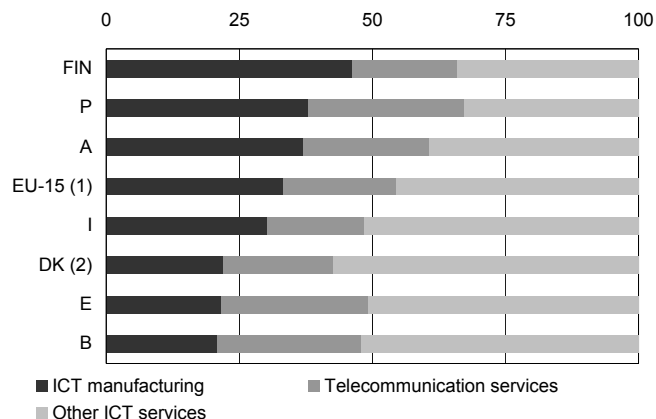


Figure 4: Breakdown of ICT persons employed, 1999 (%)

(1) Estimates, excluding EL.
 (2) Excluding NACE 31.3.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms.

It is estimated that there were approximately 4.5 million persons employed in the EU's ICT sector in 1999, of which two-thirds were in services. ICT employment in the EU accounted for approximately 2.8% of total employment and exceeded 4% of the total in Ireland, Finland and Sweden.

Value added

	Total ICT sector			ICT manufacturing			ICT services			of which telecommunication services		
	1997 (3)	1998 (4, 5)	1999 (4, 6)	1997 (4)	1998 (4)	1999 (4)	1997 (3)	1998 (5)	1999 (6)	1997	1998	1999
EU-15 (1)	:	:	365,000	:	:	95,000	:	:	270,000	:	:	131,000
B	7,447	8,046	9,340	1,654	1,401	1,824	5,794	6,645	7,516	3,180	3,414	3,744
DK	:	4,400	6,934	941	934	1,199	:	3,466	5,735	2,123	2,230	2,330
D	:	:	88,794	:	:	21,941	:	:	66,853	:	:	29,099
EL	:	:	:	:	:	:	:	:	:	:	:	:
E	:	17,282	14,895	2,747	2,749	2,942	:	14,533	11,953	:	10,291	7,455
F	28,732	31,618	36,019	15,061	15,522	16,700	13,671	16,097	19,319	:	:	:
IRL (2)	4,959	3,907	:	2,906	2,644	4,666	2,052	1,263	:	1,222	:	:
I	31,084	34,782	33,535	8,319	8,153	7,345	22,765	26,629	26,191	13,919	15,846	14,441
L	:	:	:	:	:	:	523	599	892	346	400	567
NL	10,351	9,294	:	3,741	1,381	1,348	6,610	7,913	:	:	:	:
A	7,641	7,320	7,840	2,197	2,626	2,728	5,444	4,694	5,112	3,502	2,356	2,555
P	3,161	3,724	4,178	676	807	768	2,484	2,916	3,410	1,928	2,224	2,514
FIN	5,802	7,436	8,949	2,961	4,031	5,066	2,840	3,406	3,883	1,408	1,629	1,886
S	11,550	10,294	11,803	6,983	4,675	5,218	4,567	5,619	6,585	:	:	:
UK	65,784	79,915	88,518	17,726	18,965	19,961	48,058	60,951	68,558	21,540	24,229	26,402
US	519,681	577,896	674,900	:	:	:	:	:	:	:	:	:
JP (7)	212,465	209,199	259,022	:	:	:	:	:	:	:	:	:

Table 4: Value added at factor cost in the ICT sector (million EUR)

(1) Estimates, excluding EL. (2) ICT manufacturing value added excluding VAT. (3) F, NL, S, excluding NACE 64.2.
 (4) DK, excluding NACE 31.3; NL, excluding NACE 32. (5) F, IRL, NL, S, excluding NACE 64.2; DK, excluding NACE 72.
 (6) F, S, excluding NACE 64.2. (7) Excluding NACE 51.64, 72.1, 72.5 and 72.6, including NACE 71.33.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms for EU Member States; OECD for USA and Japan.

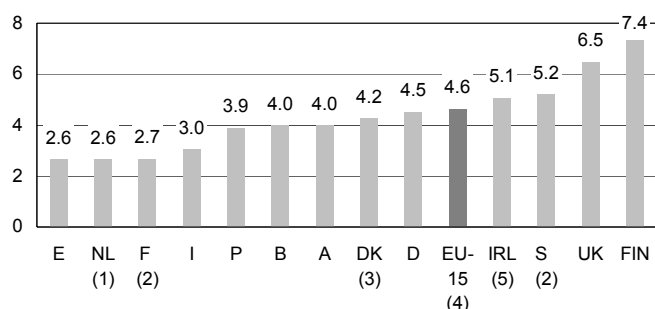


Figure 5: Value added at factor cost in the ICT sector relative to GDP, 1999 (%)

(1) Excluding NACE 32 and NACE 64.2; 1998. (2) Excluding NACE 64.2. (3) Excluding NACE 31.3. (4) Estimates, excluding EL.
 (5) Manufacturing value added excluding VAT; excluding NACE 64.2; 1998.

Source: New Cronos/theme4/sbs/enterpr/enter_ms for ICT value added; New Cronos/Theme2/aggs/aggs_gdp for GDP.

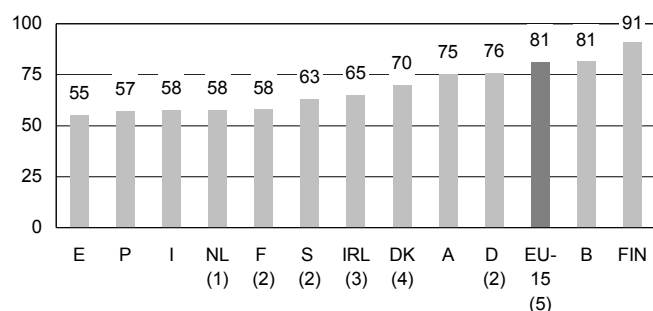


Figure 6: Value added at factor cost per person employed in the ICT sector, 1999 (thousand EUR)

(1) Excluding NACE 32 and 64.2. (2) Excluding NACE 64.2. (3) ICT manufacturing value added excluding VAT; excluding NACE 64.2; 1998. (4) Excluding NACE 31.3. (5) Estimates, excluding EL.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms.

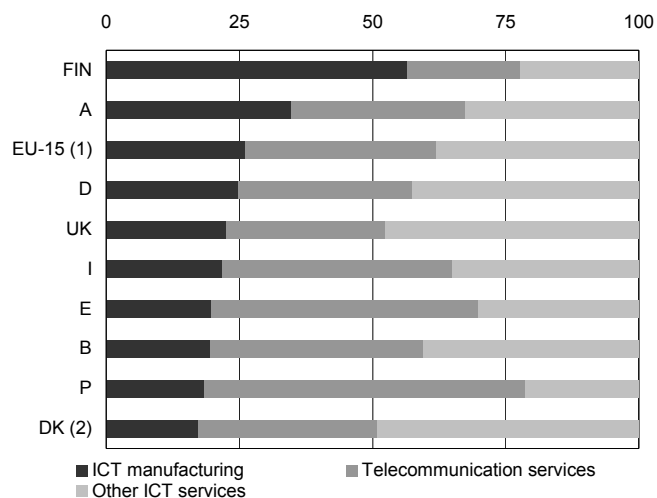


Figure 7: Breakdown of ICT value added, 1999 (%)

(1) Estimates, excluding EL.
 (2) Excluding NACE 31.3.
 Source: New Cronos/theme4/sbs/enterpr/enter_ms.

It is estimated that value added generated by the EU ICT sector in 1999 was 365 billion EUR, equivalent to approximately 4.6% of GDP. The importance of the ICT sector in Ireland, Sweden and Finland that was apparent from the employment figures is confirmed by the value added data, which also shows that these sectors are of above average importance in the United Kingdom (see figure 5).

Turnover

	Total ICT sector			ICT manufacturing				ICT services			of which telecommunication services		
	1997 (2)	1998 (3, 4)	1999 (3, 5)	1997	1998 (3)	1999 (3)	2000 (3)	1997 (2)	1998 (4)	1999 (5)	1997	1998	1999
EU-15 (1)	:	:	990,000	:	:	350,000	:	:	:	640,000	:	:	230,000
B	19,723	22,175	25,812	4,108	4,519	5,001	6,416	15,615	17,656	20,811	4,954	5,870	7,219
DK	:	13,173	19,497	2,580	2,529	3,223	3,438	:	10,644	16,274	4,355	3,295	3,816
D	:	:	189,295	:	:	74,044	90,059	86,641	99,873	115,251	33,871	36,078	40,065
EL	:	:	:	:	:	:	:	:	:	:	:	:	:
E	:	42,205	48,763	10,656	11,355	12,404	14,033	:	30,850	36,360	:	15,949	18,230
F	100,056	112,732	124,394	55,284	60,013	64,746	77,355	44,772	52,719	59,648	:	:	:
IRL	16,560	17,784	:	12,127	13,763	20,687	28,805	4,434	4,021	:	1,989	:	:
I	75,672	91,578	89,176	29,222	30,573	26,427	34,094	46,450	61,006	62,749	21,771	26,699	28,094
L	:	:	:	:	:	:	:	1,182	1,323	1,891	587	664	818
NL	49,548	43,415	:	16,122	5,212	5,424	6,196	33,426	38,203	:	:	:	:
A	20,885	21,455	23,073	7,837	9,017	8,753	9,648	13,047	12,438	14,319	5,686	4,391	5,583
P	8,521	10,699	11,572	2,685	3,138	3,240	3,931	5,836	7,561	8,333	2,966	3,715	4,632
FIN	16,669	21,458	27,198	8,998	12,127	16,593	25,098	7,671	9,330	10,605	2,597	3,416	4,094
S	31,714	37,940	43,148	16,661	19,045	22,546	32,075	15,053	18,895	20,601	:	:	:
UK	169,810	197,736	226,717	64,338	66,740	72,004	84,458	105,473	130,996	154,713	39,142	47,214	55,067

Table 5: Turnover in the ICT sector (million EUR)

(1) Estimates, excluding EL. (2) F, NL, S, excluding NACE 64.2. (3) DK, excluding 31.3; NL excluding NACE 32. (4) F, IRL, NL, S, excluding NACE 64.2; DK, excluding NACE 72. (5) F, S, excluding NACE 64.2.

Source: New Cronos/theme4/sbs/enterpr/enter_ms.

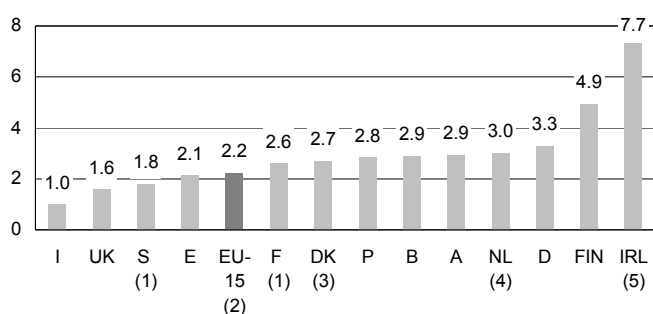


Figure 8: Turnover per enterprise in the ICT sector, 1999 (million EUR)

(1) Excluding NACE 64.2. (2) Estimates, excluding EL. (3) Excluding NACE 31.3. (4) Excluding NACE 32 and 64.2; 1998. (5) Excluding NACE 64.2; 1998.

Source: New Cronos/theme4/sbs/enterpr/enter_ms.

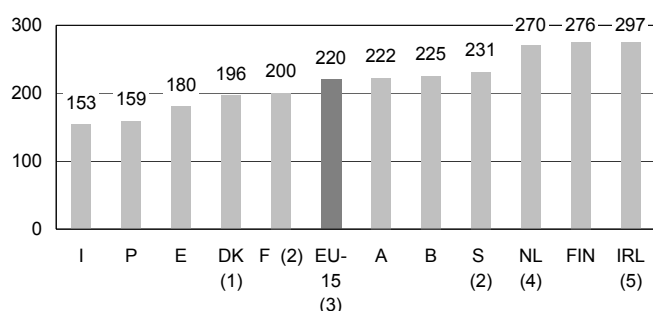


Figure 9: Turnover per person employed in the ICT sector, 1999 (thousand EUR)

(1) Excluding NACE 31.3. (2) Estimates, excluding EL. (3) Excluding NACE 64.2. (4) Excluding NACE 32 and 64.2; 1998. (5) Excluding NACE 64.2; 1998.

Source: New Cronos/theme4/sbs/enterpr/enter_ms.

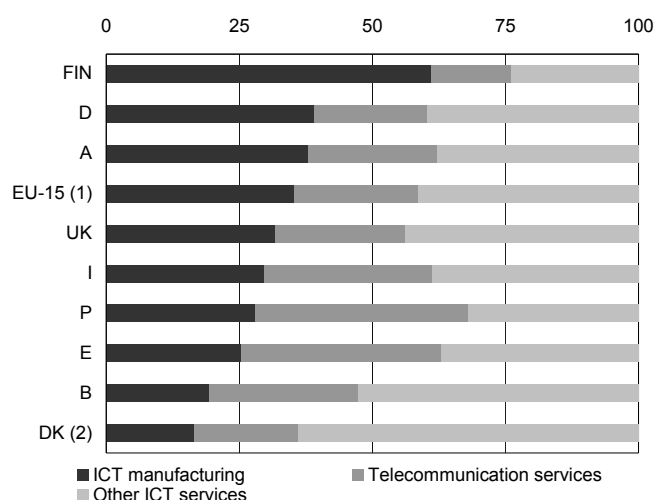


Figure 10: Breakdown of ICT turnover, 1999 (%)

(1) Estimates, excluding EL. (2) Excluding NACE 31.3.

Source: New Cronos/theme4/sbs/enterpr/enter_ms.

The EU's turnover in ICT sectors in 1999 was an estimated 990 billion EUR, of which approximately 35% was generated by ICT manufacturing. As can be seen from figure 10 the contribution of manufacturing to the ICT turnover total was notably lower in Denmark and Belgium where it contributed less than 25% whilst in Finland it exceeded 50%.

External trade

	ICT imports			ICT exports			ICT apparent trade balance	
	2000	2001	Annual average growth per year 1996-2001 (%)	2000	2001	Annual average growth per year 1996-2001 (%)	2000	2001
EU-15	190,280	171,405	14.3	125,087	120,199	13.6	-65,194	-51,206
B	16,794	14,203	:	13,982	11,982	:	-2,811	-2,221
DK	6,873	6,783	10.2	5,428	5,279	12.5	-1,445	-1,504
D	78,812	74,740	12.8	68,941	66,233	12.9	-9,871	-8,506
EL	2,750	2,422	14.4	613	427	15.2	-2,137	-1,995
E	16,799	14,619	11.2	7,376	6,866	8.8	-9,423	-7,754
F	49,009	43,005	10.7	43,293	38,047	9.2	-5,716	-4,957
IRL	19,035	20,592	25.1	28,746	32,649	23.6	9,710	12,057
I	27,005	25,004	10.1	14,840	15,153	6.5	-12,165	-9,851
L	1,980	2,722	:	1,885	3,456	:	-95	735
NL	55,612	47,671	15.2	53,906	47,527	16.2	-1,706	-144
A	9,831	10,355	17.5	6,962	7,704	24.3	-2,869	-2,651
P	4,077	4,159	12.9	2,286	2,471	13.2	-1,791	-1,688
FIN	7,138	6,438	12.7	12,658	10,607	17.5	5,520	4,169
S	13,705	10,246	6.3	18,657	10,985	2.8	4,952	739
UK	75,867	65,637	11.2	63,283	62,619	11.7	-12,584	-3,018

Table 6: External trade in ICT goods (million EUR)

(1) EU-15 and L, estimates for 2001.

Source: COMEXT (EEC Special Trade).

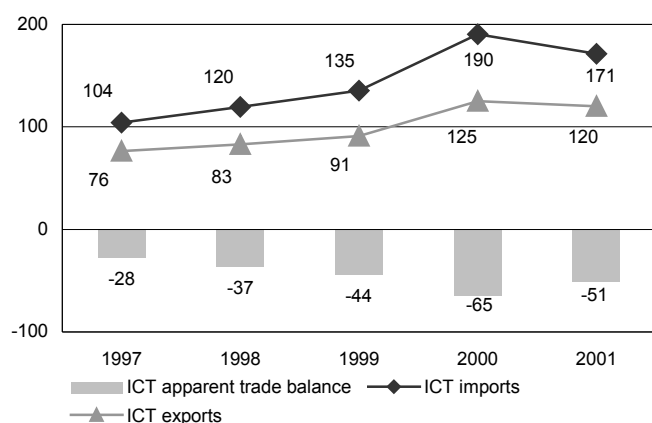


Figure 11: EU external trade in ICT goods (billion EUR) (1)

(1) Estimates for 2001.

Source: COMEXT (EEC Special Trade).

The EU's imports of ICT goods amounted to 171 billion EUR in 2001, 51 billion EUR more than the level of ICT exports. This trade deficit in ICT goods in 2001 was narrower than in 2000 and represented a reversal of the trend to ever larger trade deficits in ICT goods.

In 2001 only Ireland, Finland and Sweden among the EU Member States recorded a trade surplus in ICT goods; these are the same three Member States that recorded the highest share of employment in the ICT sectors.

The narrower trade deficit in 2001 came about because of a larger fall in imports than exports of ICT goods. Among the 15 EU Member States, compared to 2000, increases in the level of imports of ICT

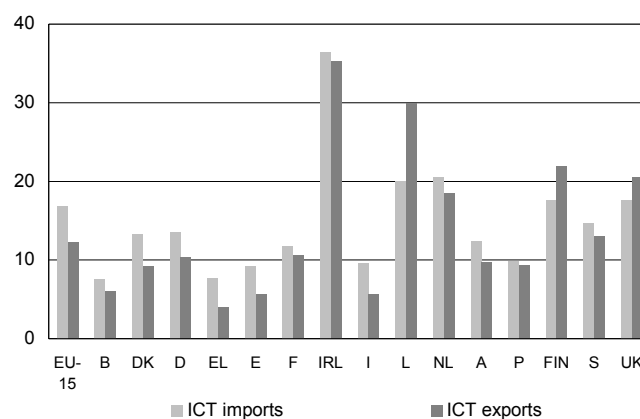


Figure 12: Share of ICT in total imports and exports of goods, 2001 (%)

(1) EU-15 and L, estimates.

Source: COMEXT (EEC Special Trade).

goods in 2001 were only reported by Ireland, Luxembourg, Austria and Portugal. Between the same two years increased exports of ICT goods were reported by the same Member States as well as by Italy and the United Kingdom.

Among the EU Member States the largest exporters of ICT goods in absolute terms in 2001 were Germany and the United Kingdom. In relative terms ICT goods accounted for a large proportion of total trade in goods in Ireland and Luxembourg and also in the Netherlands, Finland and the United Kingdom. ICT goods accounted for 12.3% of all extra-EU exports in 2001 and for 16.8% of all extra-EU imports.

➤ ESSENTIAL INFORMATION – METHODOLOGICAL NOTES

Two main sources of data have been used for this Statistics in Focus, namely SBS (from the New Cronos reference database) and COMEXT. This has been supplemented by ICT sector data for US and Japan from the OECD publication "Measuring the ICT sector".

SBS data used for the ICT sector

The SBS data used in this publication has been compiled using the enterprise as the statistical unit. Enterprises are classified to the NACE Rev. 1 classification according to their principal activity. No enterprise size threshold is applied. Summary definitions of the variables used to measure the ICT sector in this publication are given below.

The **number of enterprises** is a count of the number of enterprises registered to the population concerned in the business register corrected for errors, in particular frame errors. Dormant units are excluded. This statistic should include all units active during at least a part of the reference period.

The **number of persons employed** is defined as the total number of persons who work in the observation unit (inclusive of working proprietors, partners working regularly in the unit and unpaid family workers), as well as persons who work outside the unit who belong to it and are paid by it (e.g. sales representatives, delivery personnel). It includes persons absent for a short period and also those on strike, but not those absent for an indefinite period. It also includes part-time workers on the pay-roll, as well as seasonal workers, apprentices and home workers on the pay-roll. The number of persons employed excludes manpower supplied to the unit by other enterprises.

Turnover comprises the totals invoiced by the observation unit during the reference period, and this corresponds to market sales of goods or services supplied to third parties. Turnover includes all duties and taxes on the goods or services invoiced by the unit with the exception of the VAT invoiced by the unit vis-à-vis its customer and other similar deductible taxes directly linked to turnover.

Value added at factor cost can be calculated from the sum of i) turnover ii) capitalised production iii) other operating income, minus the sum of i) purchases of goods and services ii) other taxes on products which are linked to turnover but not deductible iii) duties and taxes linked to production, plus or minus changes in stocks. Alternatively it can be calculated from gross operating surplus by adding personnel costs. Value added at factor cost is calculated "gross" as value adjustments (such as depreciation) are not subtracted.

For the purposes of this publication, the ICT sector is defined by the following NACE Rev. 1 headings.

ICT manufacturing

- 30 Manufacture of office machinery and computers.
- 31.3 Manufacture of insulated wire and cable.
- 32 Manufacture of radio, television and communication equipment and apparatus.
- 33.2 Manufacture of instruments and appliances for measuring, checking, testing, navigating and other purposes, except industrial process control equipment.

- 33.3 Manufacture of industrial process control equipment.

ICT services

- 51.64 Wholesale of office machinery.
- 64.2 Telecommunications.
- 72 Computers and related activities.

Comext data for external trade in ICT goods

The external trade data used in this publication are compiled using data reported according to the Combined Nomenclature. For EU-15 as the reporting country only extra-EU trade is provided; for all other reporting countries, including the individual Member States, both intra-EU and extra-EU trade are included in total trade figures. The external trade figures provided in this publication only include trade in goods, not services.

ICT goods cover i) computers, ii) consumer electronics, iii) electronic components, iv) instruments, v) office machinery and vi) telecommunications products. A full list of the CN codes covered under these headings is available on request.

Imports and exports are calculated according to "statistical regime number 4", and as such cover normal trade (mainly goods exported definitively and released into free circulation), inward and outward processing and economic processing arrangements for textiles.

The statistical value of external trade is the value calculated at national frontiers. It can be FOB value (free on board), for exports/dispatches, or CIF (cost, insurance, freight), for imports/arrivals: it therefore includes only incidental expenses (freight, insurance) incurred in the part of the journey located on the territory of the Member State from which the goods are exported (in the case of exports/dispatches) and in the part of the journey located outside of the territory of the Member State which imports the goods (in the case of imports/arrivals). The statistical value is generally based on the customs value (which does not include, inter alia, import duties or other Community taxes on the import or sale of goods) in the case of extra-EU trade, or on taxable value, in the case of intra-EU trade. In the case of processing it is always the total value of the goods which is entered, before and after processing, not only the value added.

More information on methods and definitions for SBS and external trade data is available from the Business Methods site on CIRCA at the following address:
http://forum.europa.eu.int/irc/dsis/bmethods/info/data/new/main_en.html

Symbols and abbreviations

EUR Euro – technically data available prior to 1 January 1999 should be denominated in ECU terms, however, as the conversion rate was 1 ECU = 1 euro, for practical purposes the two terms are used interchangeably when referring to a series that covers both periods.

ICT Information and communication technologies
: Not available

Unless otherwise specified monetary values are presented in EUR at current prices and current exchange rates.

Further information:

➤ Reference publications

Title Information society pocketbook
 Catalogue No KS-39-01-304-EN-C Price EUR 17.50

➤ Databases

New Cronos, Domain: THeme4/SBS Enter

To obtain information or to order publications, databases and special sets of data, please contact the **Data Shop** network:

BELGIQUE/BELGIË	DANMARK	DEUTSCHLAND	ESPAÑA	FRANCE	ITALIA – Roma
Eurostat Data Shop Bruxelles/Brussel Planistat Belgique Rue du Commerce 124 Handelsstraat 124 B-1000 BRUXELLES / BRUSSEL Tel. (32-2) 234 67 50 Fax (32-2) 234 67 51 E-mail: datashop@planistat.be URL: http://www.datashop.org/	DANMARKS STATISTIK Bibliotek og Information Eurostat Data Shop Sejrogade 11 DK-2100 KØBENHAVN Ø Tlf. (45) 39 17 30 30 Fax (45) 39 17 30 03 E-mail: lib@dst.dk Internet: http://www.dst.dk/bibliotek	STATISTISCHES BUNDESAMT Eurostat Data Shop Berlin Otto-Braun-Straße 70-72 (Eingang: Karl-Marx-Allee) D-10178 BERLIN Tel. (49) 1888 644 94 27/28 Fax (49) 1888-644 94 30 E-Mail: datashop@destatis.de URL: http://www.eu-datashop.de/	INE Eurostat Data Shop Paseo de la Castellana, 183 Despacho 011B Entrada por Estébanez Calderón E-28046 MADRID Tel. (34) 91 583 91 67/91 583 95 00 Fax (34) 91 583 03 57 E-mail: datashop.eurostat@ine.es URL: http://www.datashop.org/	INSEE Info Service Eurostat Data Shop 195, rue de Bercy Tour Gamma A F-75582 PARIS CEDEX 12 Tél. (33) 1 53 17 88 44 Fax (33) 1 53 17 88 22 E-mail: datashop@insee.fr	ISTAT Centro di Informazione Statistica Sede di Roma, Eurostat Data Shop Via Cesare Balbo, 11a I-00184 ROMA Tel. (39) 06 46 73 31 02/06 Fax (39) 06 46 73 31 01/07 E-mail: dipdiff@istat.it
ITALIA – Milano	LUXEMBOURG	NEDERLAND	NORGE	PORTUGAL	SCHWEIZ/SUISSE/SVIZZERA
ISTAT Ufficio Regionale per la Lombardia Eurostat Data Shop Via Fieno 3 I-20123 MILANO Tel. (39) 02 80 61 32 460 Fax (39) 02 80 61 32 304 E-mail: mileuro@tin.it	Eurostat Data Shop Luxembourg 46A, avenue J.F. Kennedy BP 1452 L-1014 LUXEMBOURG Tel. (352) 43 35-2251 Fax (352) 43 35-22221 E-mail: dslux@eurostat.datashop.lu URL: http://www.datashop.org/	STATISTICS NETHERLANDS Eurostat Data Shop-Voorburg Postbus 4000 2270 JM VOORBURG Nederland Tel. (31-70) 337 49 00 Fax (31-70) 337 59 84 E-mail: datashop@cbs.nl	Statistics Norway Library and Information Centre Eurostat Data Shop Kongens gate 6 Boks 8131 Dep. N-0033 OSLO Tel. (47) 21 09 46 42/43 Fax (47) 21 09 45 04 E-mail: Datashop@ssb.no	Eurostat Data Shop Lisboa INE/Serviço de Difusão Av. António José de Almeida, 2 P-1000-043 LISBOA Tel. (351) 21 842 61 00 Fax (351) 21 842 63 64 E-mail: data.shop@ine.pt	Statistisches Amt des Kantons Zürich, Eurostat Data Shop Bleicherweg 5 CH-8090 Zürich Tel. (41) 1 225 12 12 Fax (41) 1 225 12 99 E-mail: datashop@statistik.zh.ch Internet: http://www.statistik.zh.ch
SUOMI/FINLAND	SVERIGE	UNITED KINGDOM	UNITED STATES OF AMERICA		
STATISTICS FINLAND Eurostat Data Shop Helsinki Tilastokirjasto P1 2B FIN-00022 Tilastokeskus Työajakatu 13 B, 2.Kerros, Helsinki P. (358-9) 17 34 22 21 F. (358-9) 17 34 22 79 Sähköposti: datashop@stat.fi URL: http://www.tilastokeskus.fi/tk/kk/datashop/	STATISTICS SWEDEN Information service Eurostat Data Shop Karlavägen 100 - Box 24 300 S-104 51 STOCKHOLM Tfn (46-8) 50 69 48 01 Fax (46-8) 50 69 48 99 E-post: infoservice@scb.se Internet: http://www.scb.se/info/datashop/peudatashop.asp	Eurostat Data Shop Office for National Statistics Room 1.015 Cardiff Road Newport South Wales NP10 8XG United Kingdom Tel. (44-1633) 81 33 69 Fax (44-1633) 81 33 33 E-mail: eurostat.datashop@ons.gov.uk	HAVER ANALYTICS Eurostat Data Shop 60 East 42nd Street Suite 3310 NEW YORK, NY 10165 USA Tel. (1-212) 986 93 00 Fax (1-212) 986 69 81 E-mail: eurodata@haver.com		

Media Support Eurostat (for professional journalists only):

Bech Building Office A4/017 • L-2920 Luxembourg • Tel. (352) 4301 33408 • Fax (352) 4301 35349 • e-mail: eurostat-mediasupport@cec.eu.int

For information on methodology

Richard Deiss, Eurostat/D5, L-2920 Luxembourg, Tel. (352) 4301 33805, Fax (352) 4301 33899, E-mail: richard.deiss@cec.eu.int

ORIGINAL: English

Please visit our web site at www.europa.eu.int/comm/eurostat/ for further information!

A list of worldwide sales outlets is available at the **Office for Official Publications of the European Communities**.

2 rue Mercier – L-2985 Luxembourg
 Tel. (352) 2929 42455 Fax (352) 2929 42758
 URL: <http://publications.eu.int>
 e-mail: info-info-opoce@cec.eu.int

BELGIQUE/BELGIË – DANMARK – DEUTSCHLAND – GREECE/ELLADA – ESPAÑA – FRANCE – IRELAND – ITALIA – LUXEMBOURG – NEDERLAND – ÖSTERREICH
 PORTUGAL – SUOMI/FINLAND – SVERIGE – UNITED KINGDOM – ISLAND – NORGE – SCHWEIZ/SUISSE/SVIZZERA – BALGARİJA – CESHÁ REPUBLİKA – CYPRUS
 EESTI – HRVATSKA – MAGYARORSZÁG – MALTA – POLSKA – ROMÂNIA – RUSSIA – SLOVAKIA – SLOVENIA – TÜRKİYE – AUSTRALIA – CANADA – EGYPT – İNDIA
 İSRAËL – JAPAN – MALAYSIA – PHİLİPPİNES – SOUTH KOREA – THAILAND – UNITED STATES OF AMERICA

Order form

I would like to subscribe to Statistics in focus (from 1.1.2002 to 31.12.2002):

(for the Data Shop and sales office addresses see above)

Formula 1: All 9 themes (approximately 180 issues)

Paper: EUR 360

Language required: DE EN FR

Formula 2: One or more of the following nine themes:

Theme 1 'General statistics'

Theme 6 'External trade'

Theme 7 'Transport'

Theme 9 'Science and technology'

Paper: EUR 42

Theme 2 'Economy and finance'

Theme 3 'Population and social conditions'

Theme 4 'Industry, trade and services'

Theme 5 'Agriculture and fisheries'

Theme 8 'Environment and energy'

Paper: EUR 84

Language required: DE EN FR

Statistics in focus can be downloaded (pdf file) free of charge from the Eurostat web site. You only need to register. For other solutions, contact your Data Shop.

Please send me a free copy of 'Eurostat mini-guide' (catalogue containing a selection of Eurostat products and services)

Language required: DE EN FR

I would like a free subscription to 'Statistical References', the information letter on Eurostat products and services

Language required: DE EN FR

Mr Mrs Ms

(Please use block capitals)

Surname: _____ Forename: _____

Company: _____ Department: _____

Function: _____

Address: _____

Post code: _____ Town: _____

Country: _____

Tel.: _____ Fax: _____

E-mail: _____

Payment on receipt of invoice, preferably by:

Bank transfer

Visa Eurocard

Card No: _____ Expires on: ____/____/____

Please confirm your intra-Community VAT number:

If no number is entered, VAT will be automatically applied. Subsequent reimbursement will not be possible.