

SIZE OF THE ICT SECTOR

Information and communication technologies (ICT) have been at the heart of economic changes for more than a decade. ICT-producing sectors play an important role, notably by contributing to rapid technological progress and productivity growth.

Definition

In 1998, the OECD countries reached agreement on an industry-based definition of the ICT sector based on Revision 3 of the International Standard Industrial Classification (ISIC Rev. 3). The principles underlying the definition are the following.

For manufacturing industries, the products of a candidate industry must be intended to fulfill the function of information processing and communication including transmission and display, must use electronic processing to detect, measure and/or record physical phenomena or control a physical process.

For services industries, the products of a candidate industry must be intended to enable the function of information processing and communication by electronic means.

Long-term trends

For the 1995-2006 period the share of ICT services has grown most in Finland, Ireland, the Czech Republic and the Netherlands. In 2006, Korea's ICT manufacturing sector's share of manufacturing value added represented 21% of total manufacturing value added. In 2006, the ICT manufacturing sector represented between 2.3% and 21% of total manufacturing value added in OECD countries with available data. The average share for the 23 OECD countries for which data are available was 7.2%.

The Telecommunication services sector is largest, as a percentage of business services value added, in Greece, Hungary, Korea, Portugal and the Czech Republic. It is smallest in Ireland, Sweden, France and Austria.

Comparability

The existence of a widely accepted definition of the ICT sector is the first step towards making comparisons across time and countries possible. However, the definition is not as yet consistently applied and data provided by member countries have been combined with different data sources to estimate ICT aggregates compatible with national accounts totals. For this reason, statistics presented here may differ from figures contained in national reports and in previous OECD publications.

Source

- OECD (2007), *OECD Science, Technology and Industry Scoreboard 2007*, OECD, Paris.

Further information

Analytical publications

- OECD (2003), *ICT and Economic Growth: Evidence from OECD countries, industries and firms*, OECD, Paris.
- OECD (2005), *Guide to Measuring the Information Society*, OECD, Paris.
- OECD (2006), *OECD Reviews of Risk Management Policies – Norway: Information Security*, OECD, Paris.
- OECD (2008), *OECD Information Technology Outlook 2008*, OECD, Paris.
- OECD (2008), *OECD e-Government Studies*, OECD, Paris.

Statistical publications

- OECD (2004), *Understanding Economic Growth A Macro-level, Industry-level, and Firm-level Perspective*, OECD, Paris.

Websites

- OECD Key ICT indicators, www.oecd.org/sti/ictindicators.
- OECD Telecommunications and Internet Policy, www.oecd.org/sti/telecom.
- OECD Science, Technology and Industry, www.oecd.org/sti.



Share of ICT in value added

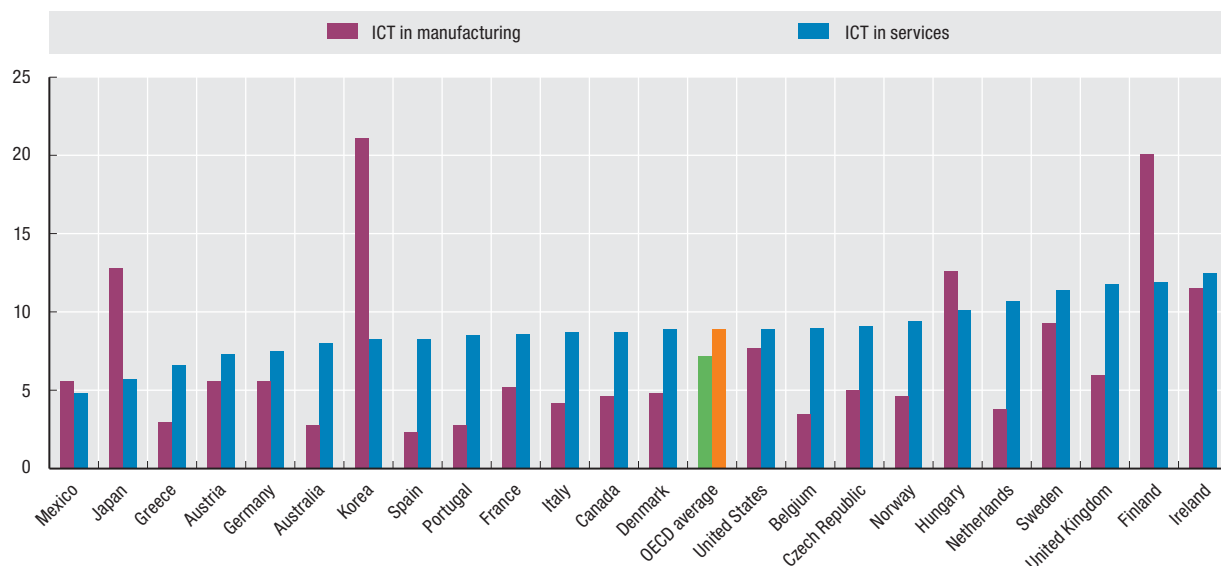
Year 2006

	Share of ICT manufacturing in total manufacturing value added		Share of ICT services in total business services value added		
	ICT manufacturing	Percentage point change 1995-2006	Telecommunication services	Other ICT services	Percentage point change 1995-2006
Australia	2.8	-0.3	4.1	3.9	-1.0
Austria	5.6	-1.6	2.9	4.4	0.4
Belgium	3.5	-0.6	4.0	5.0	2.3
Canada	4.6	-1.6	4.1	4.6	1.3
Czech Republic	5.0	2.2	5.3	3.8	3.2
Denmark	4.8	0.4	2.9	6.0	1.5
Finland	20.1	11.4	5.0	6.8	4.1
France	5.2	-1.1	2.8	5.8	0.3
Germany	5.6	1.0	3.0	4.5	-0.6
Greece	3.0	1.2	6.0	0.6	0.8
Hungary	12.6	7.8	5.8	4.3	2.8
Ireland	11.5	-2.7	2.6	9.9	4.1
Italy	4.2	-	3.5	5.2	2.2
Japan	12.8	0.2	3.3	2.4	1.1
Korea	21.1	5.1	5.6	2.7	1.6
Mexico	5.6	0.4	3.6	1.2	0.7
Netherlands	3.8	-2.4	3.7	7.0	3.2
Norway	4.6	0.2	3.5	6.0	2.5
Portugal	2.8	-1.0	5.5	3.0	0.7
Spain	2.3	-1.5	4.3	4.0	1.1
Sweden	9.3	1.7	2.7	8.8	2.7
United Kingdom	6.0	-2.3	3.9	7.9	2.1
United States	7.7	-2.6	4.7	4.2	0.3
OECD average	7.2	0.3	4.0	4.9	1.6

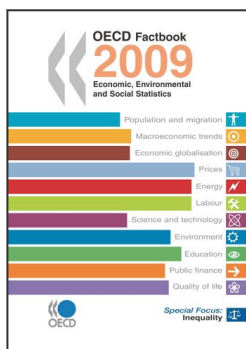
StatLink <http://dx.doi.org/10.1787/543440167040>

Share of ICT in value added

Share of ICT manufacturing and ICT services value added, 2006



StatLink <http://dx.doi.org/10.1787/537135867673>



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