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ICT Sector Indicators Year 2010

Main results

- Turnover for ICT sector companies reaches 91,427 million euros in 2010, indicating an 0.7% decrease, as compared with the previous year.
- The number of companies in the ICT sector increases 3.3%, and added value decreases 3.7%.
- 41.6% of companies in the ICT sector carry out innovative activities during the year 2010.
- The ICT sector reduces its negative trade balance by 18.9%, as compared with that registered in 2009.

Turnover for companies in the Information and Communication Technologies (ICT) sector stood at 91,427 million euros in the year 2010, that is, 0.7% less than the previous year. These companies generated an added value of 33,781 million euros, with a 3.7% decrease.

The number of companies in the ICT sector stood at 43,451, for a total of 3.3% more than the previous year. In turn, the number of persons employed in the ICT sector stood at 396,543 persons, similar figure to that registered 2009.

Evolution of production in the ICT sector

(Economic data in thousands of euros)

ICT Sector (CNAE-2009)	2009	2010	% variation
Number of companies	42,078	43,451	3.3
Turnover	92,057,158	91,426,977	-0.7
Added value	35,071,941	33,781,276	-3.7
Number of employed persons	396,395	396,543	0.0

Source: Industrial Companies Survey and Annual Services Survey

Internal R&D expenditure of ICT sector companies

Companies in the ICT sector **invested a total of 1,042 million euros in R&D** in 2010. This figure accounted for **13.9% of total business** expenditure on R&D activities.

Within the ICT services industries, the industry with the greatest expenditure on R&D in the year 2010 was *Programming, consultancy and other activities related to IT*, with 606 million euros.

Current expenses accounted for 93.5% of the total expenditure on R&D by companies in the ICT sector. In turn, capital expenses represented the remaining 6.5%.

Internal R&D expenditure in the ICT sector in 2010

(Data in thousands of euros)

ICT Sector (CNAE 2009)	Current expenses		Capital expenses		Total
		%		%	
1. Manufacturing	123,695	91.9	10,909	8.1	134,604
2. Services	851,383	93.8	56,395	6.2	907,778
a. ICT trade industries	67,443	97.5	1,748	2.5	69,191
b. ICT services industries	783,940	93.5	54,647	6.5	838,588
- PUBLISHING OF COMPUTER PROGRAMMES	20,918	94.5	1,225	5.5	22,143
- TELECOMMUNICATIONS	152,862	89.6	17,787	10.4	170,649
- PROGRAMMING, CONSULTANCY AND OTHER ACTIVITIES RELATED TO IT	572,434	94.4	33,920	5.6	606,354
- WEBSITES, DATA PROCESSING, HOSTING AND RELATED ACTIVITIES	34,912	95.4	1,701	4.6	36,613
- REPAIR OF COMPUTERS AND COMMUNICATIONS EQUIPMENT	2,814	99.5	14	0.5	2,828
TOTAL ICT SECTOR	975,078	93.5	67,304	6.5	1,042,382
TOTAL BUSINESS SECTORS	6,640,684	88.5	865,759	11.5	7,506,443

Source: Statistics on Scientific Research and Technological Development Activities.

Personnel employed in the ICT sector

In 2010, the ICT sector concentrated 18.4% of the total personnel dedicated to R&D tasks in the business sector, and 17.8% of the total researchers.

Personnel employed in R&D tasks, on a Full-Time Equivalent (FTE), dedicated to R&D tasks in the ICT sector, increased 16,984.5. Women accounted for 22.9% of them.

In turn, there were 8,088.8 researchers dedicated to R&D, 21.4% of whom were women.

Within the ICT services industries, *Programming, consultancy and other activities related to IT* was the industry that employed the most workers, with a total of 11,002.8 on FTE. Of this figure, 5,141.9 were researchers.

R&D Personnel (on FTE) in 2010

	Total Personnel			Researchers		
	Women	%	Total	Women	%	Total
ICT Sector (CNAE 2009)						
1. Manufacturing	336.8	15.4	2,188.1	153.3	13.3	1,154.2
2. Services	3,551.9	24.0	14,796.4	1,579.4	22.8	6,934.6
a. ICT trade industries	132.3	19.3	685.1	60.8	15.1	403.8
b. ICT services industries	3,419.6	24.2	14,111.2	1,518.6	23.3	6,530.7
- PUBLISHING OF COMPUTER PROGRAMMES	80.6	17.3	466.5	34.4	12.9	266.7
- TELECOMMUNICATIONS	487.1	25.8	1,886.0	201.2	24.0	839.6
- PROGRAMMING, CONSULTANCY AND OTHER ACTIVITIES RELATED TO IT	2,650.0	24.1	11,002.8	1,215.3	23.6	5,141.9
- WEBSITES, DATA PROCESSING, HOSTING AND RELATED ACTIVITIES	194.4	29.0	670.9	65.9	25.9	254.3
- REPAIR OF COMPUTERS AND COMMUNICATIONS EQUIPMENT	7.5	8.8	85.0	1.8	6.4	28.2
TOTAL ICT SECTOR	3,888.7	22.9	16,984.5	1,732.7	21.4	8,088.8
TOTAL BUSINESS SECTORS	28,282.8	30.7	92,221.3	13,585.5	29.9	45,377.3

Source: Statistics on Scientific Research and Technological Development Activities.

Companies carrying out innovative activities

During the year 2010, 41.6% of the companies in the ICT sector carried out innovative activities. By sector, 63.3% of manufacturing companies and 39.6% of companies in the services sector carried out innovative activities.

Within the ICT Sector, expenditure by ICT manufacturing industries on innovative activities stood at 190.7 million euros, whereas ICT services companies spent 2,591 million euros.

ICT sector expenditure accounted for 17.2% of total business expenditure on innovative activities.

Innovative activities in the ICT sector in 2010

(Data in thousands of euros)

ICT Sector (CNAE 2009)	% of companies with innovative activities	Expenditure on innovative activities	% Expenditure over the Total
Manufacturing	63.31	190,672	6.9
Services	39.62	2,591,002	93.1
TOTAL ICT SECTOR	41.6	2,781,675	100.0
TOTAL BUSINESS SECTOR	14.3	16,171,218	

Source: Survey on Innovation in Companies

Production value of goods in the ICT sector

According to the Industrial Products Survey, the production value of ICT goods decreased 0.8% in the year 2010, reaching 4,319.7 million euros.

By groups, The *Telecommunications equipment* and *Other ICT products* presented the greatest increases in their production value, with 6.3% and 5.5% respectively.

Conversely, *Computer equipment* registered the greatest decrease, 26.0%, while *Audio and video equipment* experienced a decrease of 7.4%.

Worth noting was the production value of *Electronic components*, which accounted for 32.4% of the total.

Production value of ICT goods in 2010

(Data in millions of euros)

Groups of products (Prodcom 2010)	Production value	% over the ICT sector total	% over the industrial sector total	% Variation compared with 2009
1. Telecommunications equipment	622.5	14.4	0.2	6.3
2. Computer equipment	97.9	2.3	0.0	-26.0
3. Electronic components	1,397.5	32.4	0.4	3.7
4. Audio and video equipment	989.1	22.9	0.3	-7.4
5. Other ICT products	1,212.6	28.1	0.3	5.5
TOTAL ICT SECTOR	4,319.7	100.0	1.2	0.8
TOTAL INDUSTRIAL PRODUCTION	359,807.1		100.0	7.1

Source: Industrial Product Survey

Foreign trade of ICT products

The trade balance of ICT products in 2010 presented a negative balance of 13,041.8 million euros. This trade deficit for the sector was 18.9% higher than in 2009.

Exports totalled 5,538.9 million euros, whilst imports reached 18,580.7 million euros.

Amongst the groups of products of the ICT sector, worth noting were the exports of *Electronic components*, which represented 35% of the total for the ICT sector. Regarding imports, *Telecommunications equipment* accounted for 26.2% of the total.

Foreign trade of the ICT Sector, by group of products, in 2010

(Data in millions of euros)

Groups of products (NC 2010)	Exports	Imports	Trade balance	Coverage rate	% Variation Trade Balance compared with 2009
1. Telecommunications equipment	770.9	4,865.5	-4,094.6	15.8	-16.7
2. Computer equipment	649.2	4,102.4	-3,453.2	15.8	-13.1
3. Electronic components	1,937.3	3,326.5	-1,389.2	58.2	-46.2
4. Audio and video equipment	1,345.3	4,311.3	-2,966.0	31.2	-24.0
5. Other ICT products	836.1	1,975.0	-1,138.9	42.3	-7.0
TOTAL ICT SECTOR	5,538.9	18,580.7	-13,041.8	29.8	-18.9
TOTAL	186,780.1	240,055.9	-53,275.8	77.8	-15.2

Source: INE compilation with data from the State Tax Administration Agency

Methodological annex

The so-called ICT Sector is comprised of the manufacturing and services industries whose main activity is linked to the development, production, commercialisation and intensive use of Information and Communications Technologies. The ICT Sector is characterised by high rates of innovation, technological progress and productivity.

In statistical terms, the definition of the ICT Sector is developed through a comprehensive listing of the branches of activity corresponding to ICT companies (**focus by sector**) and ICT products (**focus by product**).

In order to determine the list of activities and products in the ICT sector, we have begun with the methodological work carried out by the OECD on the subject.

Information sources

The statistical information on the ICT Sector has been obtained from the following INE statistical operations:

Industrial Companies Survey; Annual Services Survey; Statistics on R&D Activities; Technological Innovation in Companies Survey; Quarterly Labour Cost Survey; Industrial Products Survey and Survey on the Use of Information and Communications Technologies and Electronic Commerce in Companies.

Information has also been obtained from the Foreign Trade Statistics of the State Tax Administration Agency.

Branches of activity of the ICT Sector, according to the National Classification of Economic Activities (CNAE-2009)

List of branches of activity of the ICT sector, according to CNAE 2009

	ICT manufacturing industries
CNAE 2611	Manufacture of electronic components
CNAE 2612	Manufacture of assembled printed circuits
CNAE 2620	Manufacture of computers and peripherals
CNAE 2630	Manufacture of telecommunications equipment
CNAE 2640	Manufacture of electronic products for consumption
CNAE 2680	Manufacture of magnetic and optical supports
	ICT trade industries
CNAE 4651	Wholesale trade of computers, peripherals and computer programmes
CNAE 4652	Wholesale trade of electronic equipment and telecommunications equipment and components thereof
	ICT services industries
	PUBLISHING OF COMPUTER PROGRAMMES
CNAE 5821	Publishing of videogames
CNAE 5829	Publishing of other computer programmes
	TELECOMMUNICATIONS
CNAE 6110	Cable telecommunications
CNAE 6120	Wireless telecommunications
CNAE 6130	Satellite telecommunications
CNAE 6190	Other telecommunications activities
	PROGRAMMING, CONSULTANCY AND OTHER ACTIVITIES RELATED TO IT
CNAE 6201	Computer programming activities
CNAE 6202	Computer consultancy activities
CNAE 6203	IT resource management
CNAE 6209	Other services related to information technologies and computers
	WEBSITES, DATA PROCESSING, HOSTING AND RELATED ACTIVITIES
CNAE 6311	Data processing, hosting and related activities
CNAE 6312	Websites
	REPAIR OF COMPUTERS AND COMMUNICATIONS EQUIPMENT
CNAE 9511	Repair of computers and peripherals
CNAE 9512	Repair of communications equipment

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