

E ICT sector

In general, **the term ICT sector** includes a combination of ICT manufacturing and ICT services industries which are associated with the production and/or distribution of information and communication technologies and a provision of related services.

The list of ICT sector's industries is decided on the following OECD definition: "The production (goods and services) of a candidate industry must primarily be intended to fulfill or enable the function of information processing and communication by electronic means including transmission and display".

In 2007 the ICT sector together with Content and media sector (information economy) was recognized by the United Nation Statistics Division as a new alternative grouping of economic activities defined within the International Standard Industrial Classification of All Economic Activities (ISIC), Revision 4. For more information see following web page:

http://unstats.un.org/unsd/cr/registry/docs/i4_information_economy.pdf

The activities (industries) in the ICT sector can be grouped into the following **four main categories**: ICT manufacturing industries, ICT trade industries and ICT services industries. ICT sector involves all businesses whose dominating activities belong to the **CZ-NACE groups** as follows:

ICT manufacturing industries:

- Manufacture of electronic components and boards (26.1)
- Manufacture of computers and peripheral equipment (26.2)
- Manufacture of communication equipment (26.3)
- Manufacture of consumer electronics and media (26.4 and 26.8)

ICT trade industries (ICT wholesale):

- Wholesale of information and communication equipment (46.5)

Telecommunications:

- Wired telecommunications activities (61.1)
- Wireless telecommunications activities (61.2)
- Satellite and other telecommunications activities. (61.3 and 61.9)

IT services industries:

- Software publishing; Computer programming, consultancy and related activities (58.2 and 62.0)
- Data processing, hosting and related activities; web portals (63.1)
- Repair of computers and communication equipment (95.1)

Data for this chapter, except for R&D expenditure (source: R&D annual survey), were obtained from the annual structural survey of business entities from selected production industries (**SBS – Structural Business Statistics**). In the case of SBS the first reference period for data processing according to the new classification CZ-NACE was the year 2008. Data for 2005–2007 are based on the retroactive conversion of structural data. **2012 data are preliminary.**

Data prior to the year 2005 are estimates based on the **Annual National Accounts Statistics**. More information about this data source is available at: http://apl.czso.cz/pll/rocenka/rocenka.indexnu_en

The **Eurostat Structural Business Statistics Database** was used as a data source for the international comparison. More information about the data from the SBS, including definitions of individual indicators, is available at: http://epp.eurostat.ec.europa.eu/cache/ITY_SDDS/en/sbs_esms.htm

Further information on ICT sector statistics can be found at:

http://www.czso.cz/eng/redakce.nsf/i/ict_sector

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Table E1 Employment in ICT sector in the Czech Republic

	Headcount persons		
	2010	2011	2012
Total	136 668	140 525	140 643
ICT manufacturing	28 602	29 419	27 392
ICT wholesale	10 791	11 073	11 638
Telecommunications	21 261	19 831	18 697
IT services	76 014	80 202	82 916

Figure E1 Employment in ICT sector

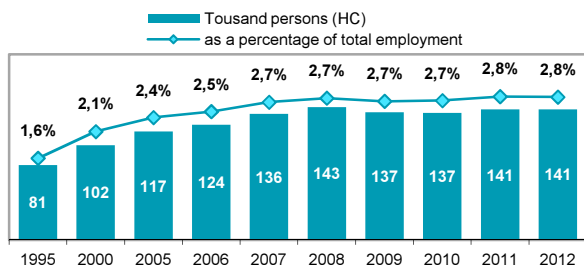


Figure E2 Employment in ICT sector by main industry groups

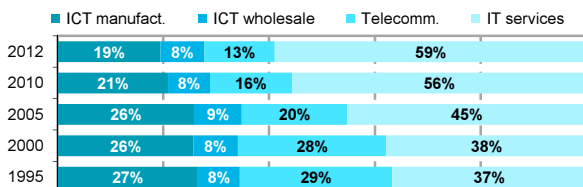


Figure E3 Employment in ICT sector by industry and ownership of enterprises, 2012

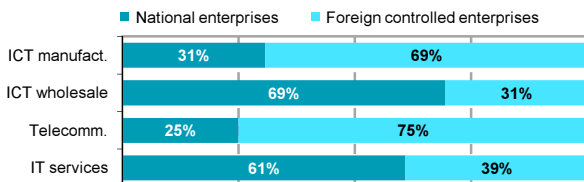
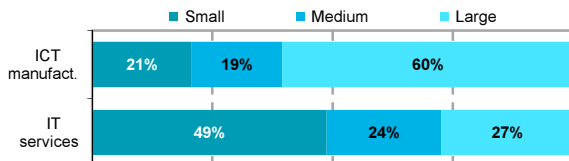


Figure E4 Employment in ICT sector by industry and size of enterprises, 2012



Source: CZSO, Structural Business Statistics and Annual National Accounts

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Figure E5 Employment in ICT manufacturing

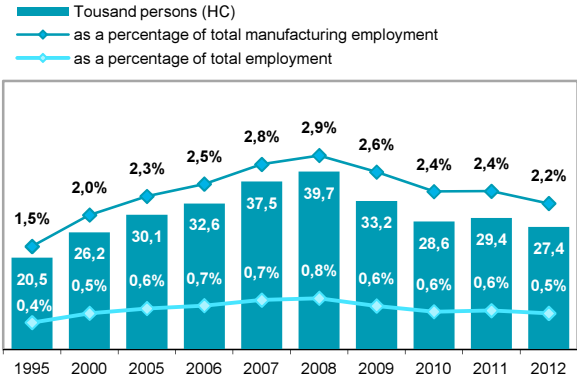


Figure E6 Employment in Telecommunications

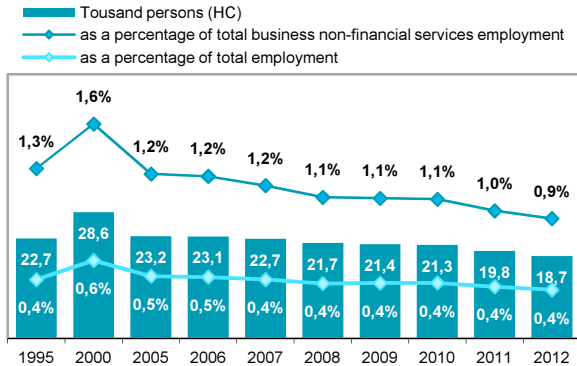
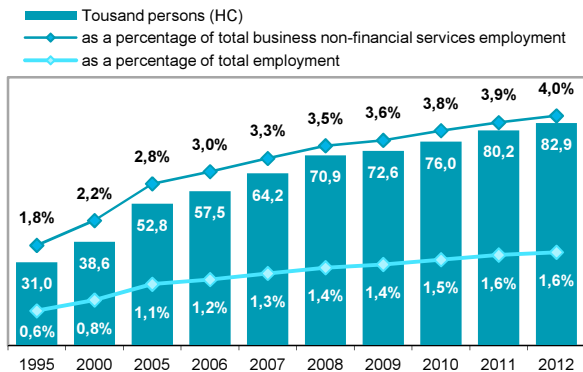


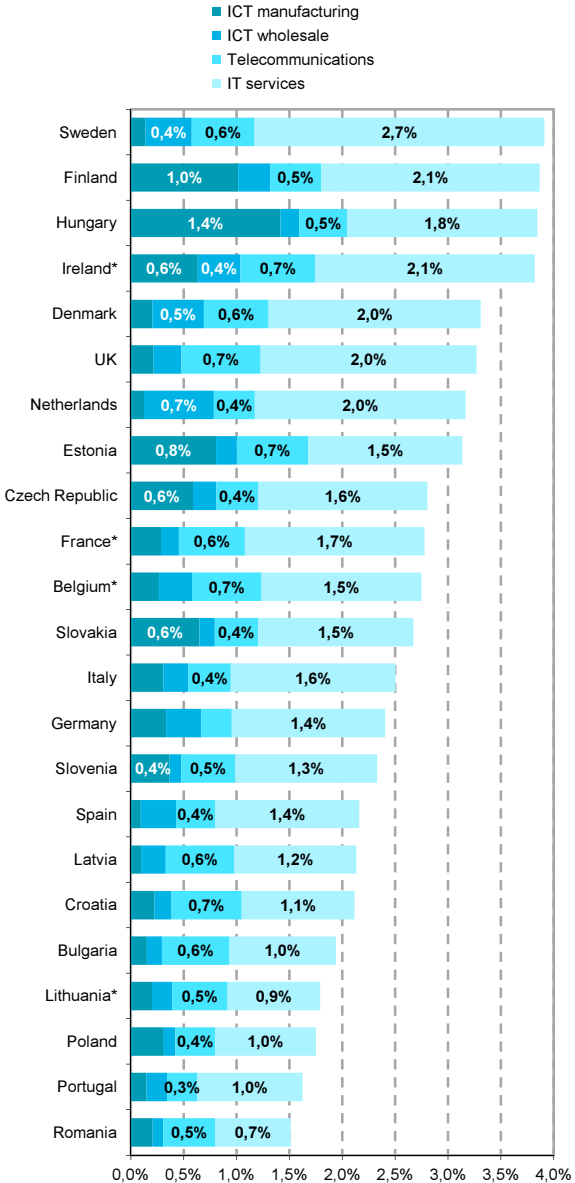
Figure E7 Employment in IT Services



Source: CZSO, Structural Business Statistics and Annual National Accounts

E ICT sector

**Figure E8 Employment in ICT sector, 2011
(as a percentage of total employment)**

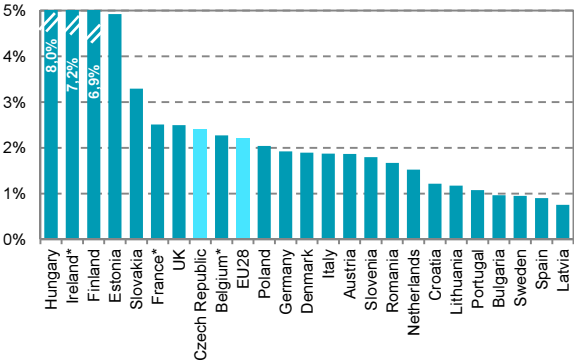


* Year 2012

Source: Eurostat, Structural Business Statistics

E ICT sector

Figure E9 Employment in ICT manufacturing**, 2011



**as a percentage of total manufacturing industries

Figure E10 Employment in Telecommunications***, 2011

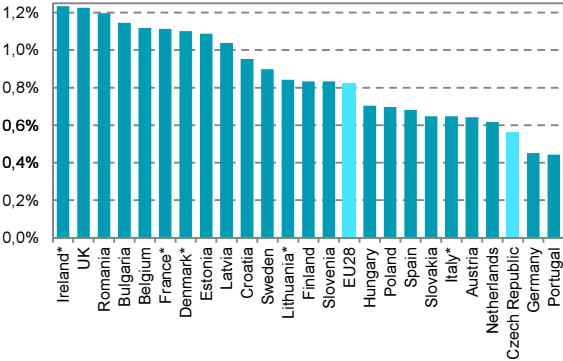
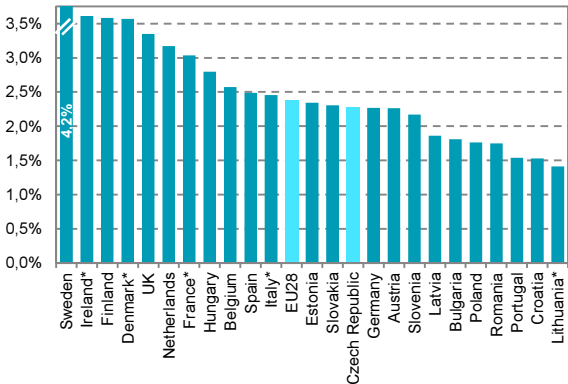


Figure E11 Employment in IT Services***, 2011



***as a percentage of total non-financial business enterprise sector

* Year 2011

Source: Eurostat, Structural Business Statistics

E ICT sector

Table E2 Production value in ICT sector in the Czech Republic

CZK million

	2010	2011	2012
Total	541 572	520 340	505 305
ICT manufacturing	247 116	222 851	209 948
ICT wholesale	18 235	19 800	21 230
Telecommunications	125 024	116 056	109 490
IT services	151 197	161 633	164 637

Figure E12 Production value in ICT sector

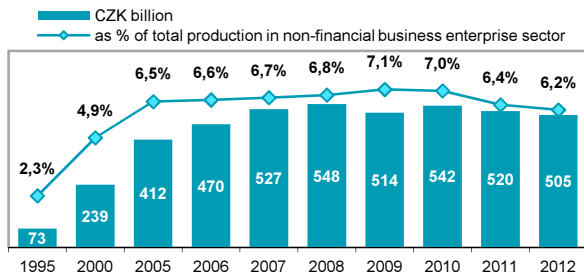


Figure E13 Production value in ICT sector by main industry groups

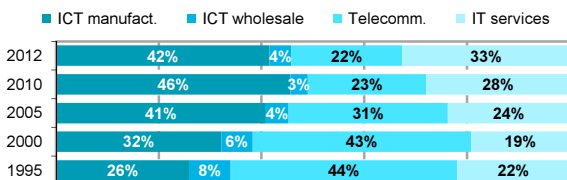


Figure E14 Production value in ICT sector by industry and ownership of enterprises, 2012

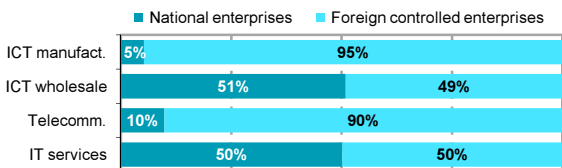
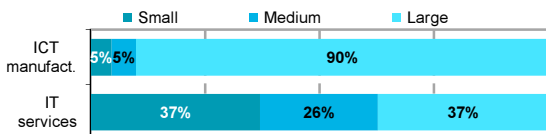


Figure E15 Production value in ICT sector by industry and size of enterprises, 2012



Source: CZSO, Structural Business Statistics and Annual National Accounts

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Figure E16 Production value in ICT manufacturing

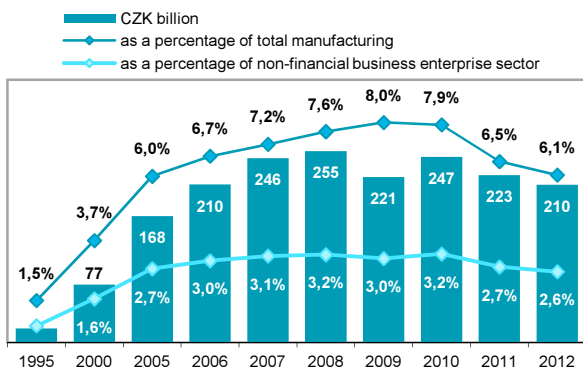


Figure E17 Production value in Telecommunications

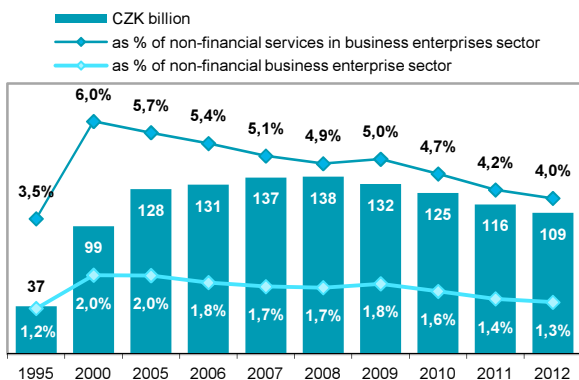
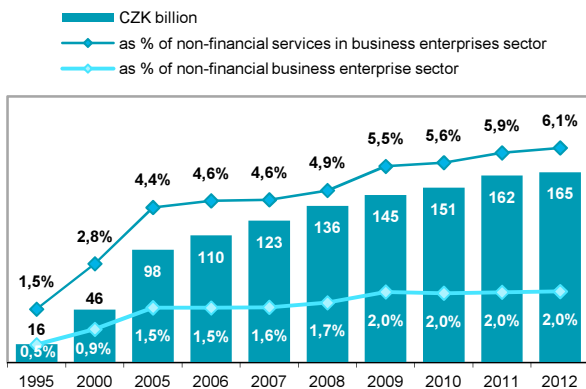


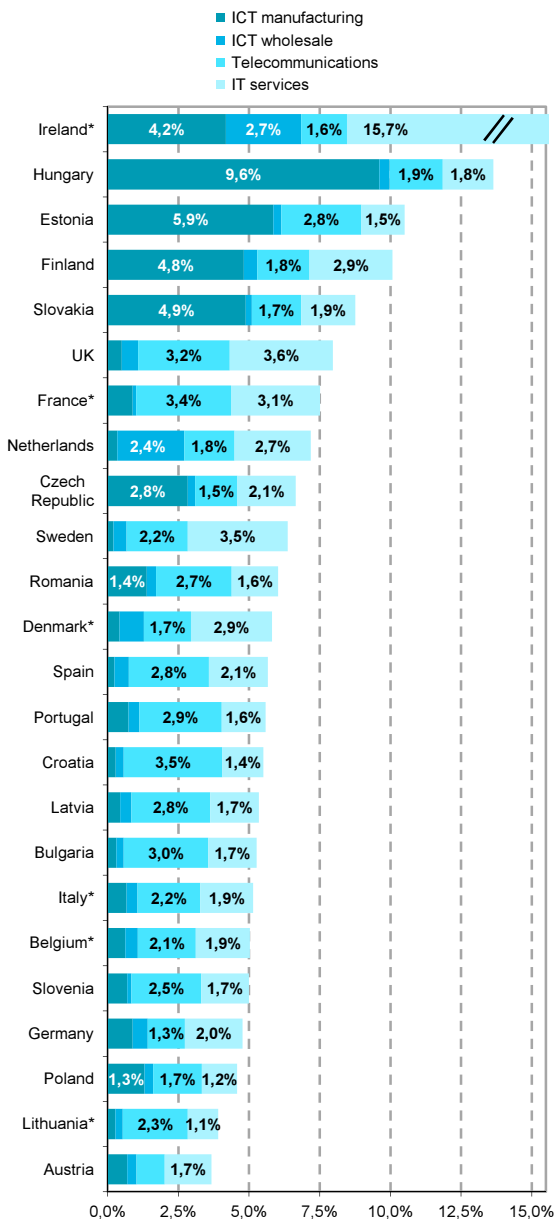
Figure E18 Production value in IT services



Source: CZSO, Structural Business Statistics and Annual National Accounts

E ICT sector

Figure E19 Production value in ICT sector, 2011
(as % of production in non-financial business enterpr. sector)

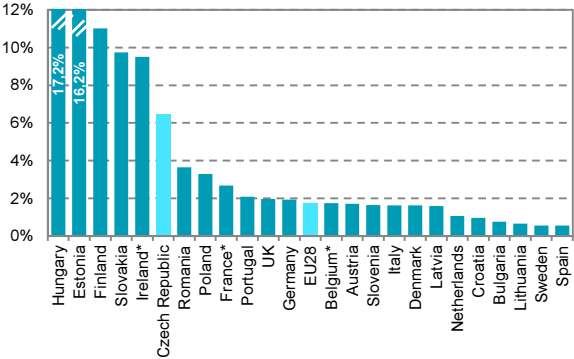


* Year 2012

Source: Eurostat, Structural Business Statistics

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Figure E20 Production value in ICT manufacturing, 2011**



**as a percentage of total manufacturing industries

Figure E21 Production value in Telecommunications*, 2011**

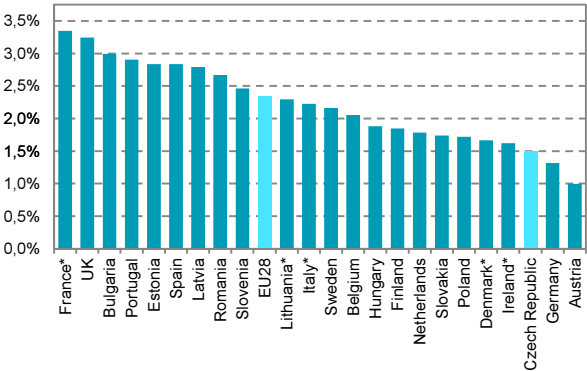
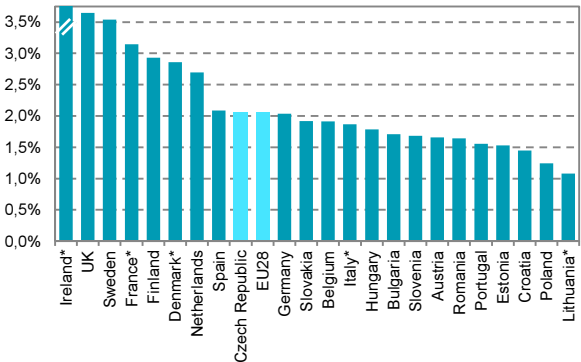


Figure E22 Production value in IT services*, 2011**



***as a percentage of total non-financial business enterprise sector

* Year 2011

Source: Eurostat, Structural Business Statistics

E ICT sector

Table E3 Value added in ICT sector in the Czech Republic

CZK million

	2010	2011	2012
Total	159 108	158 286	159 422
ICT manufacturing	13 668	12 214	14 413
ICT wholesale	8 417	9 219	9 394
Telecommunications	66 071	60 062	55 129
IT services	70 952	76 792	80 487

Figure E23 Value added in ICT sector

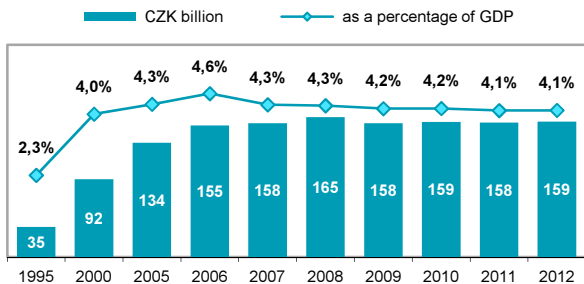


Figure E24 Value added in ICT sector by main industry groups

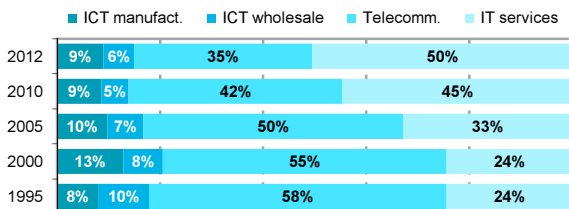


Figure E25 Value added in ICT sector by industry and ownership of enterprises

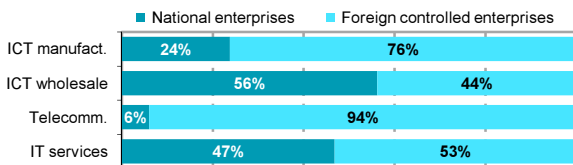
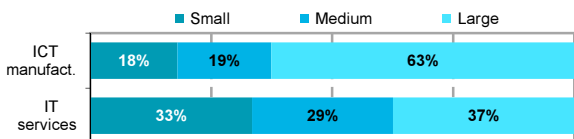


Figure E26 Value added in ICT sector by industry and size of enterprises, 2012



Source: CZSO, Structural Business Statistics and Annual National Accounts

E ICT sector

Figure E27 Value added in ICT manufacturing

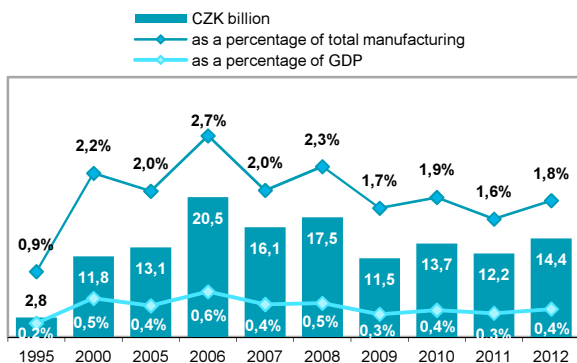


Figure E28 Value added in Telecommunications

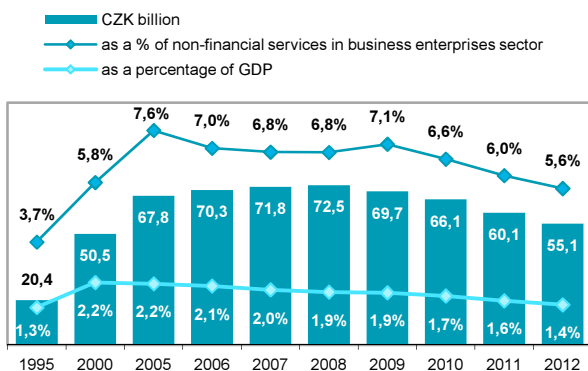
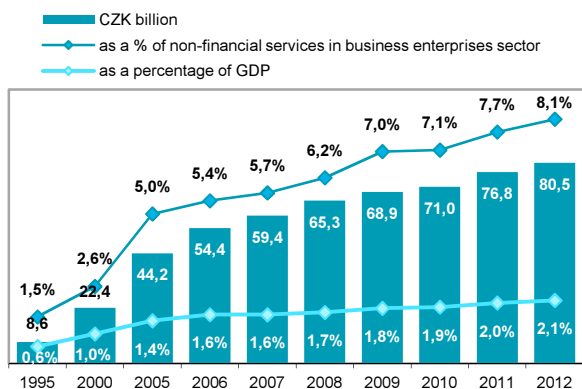


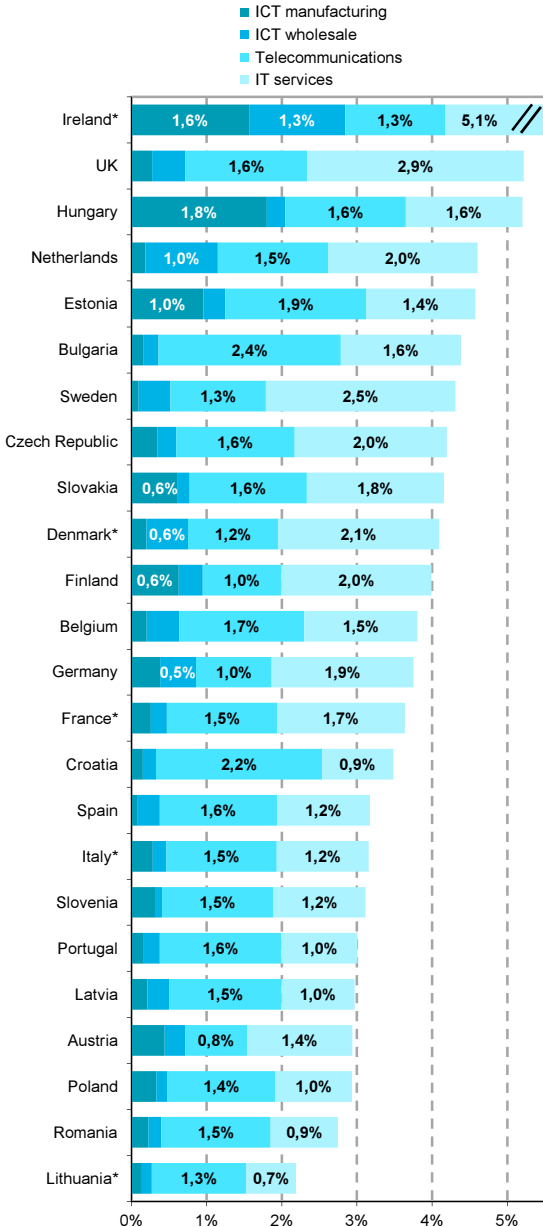
Figure E29 Value added in IT services



Source: CZSO, Structural Business Statistics and Annual National Accounts

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**Figure E30 Value added in ICT sector, 2011
(as a percentage of GDP)**

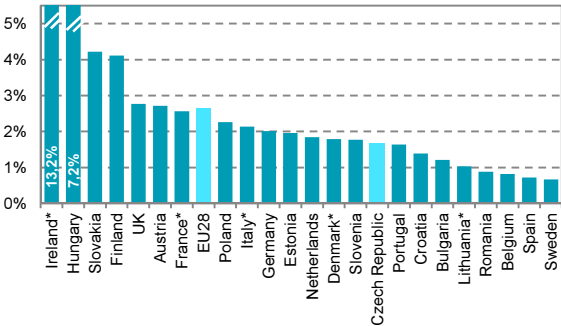


* Year 2011

Source: Eurostat, Structural Business Statistics

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Figure E31 Value added in ICT manufacturing**, 2011



**as a percentage of total manufacturing industries

Figure E32 Value added in Telecommunications***, 2011

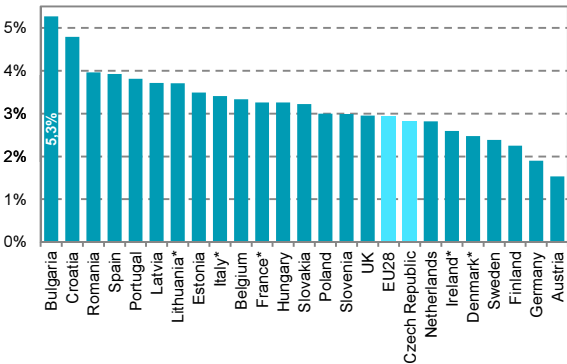
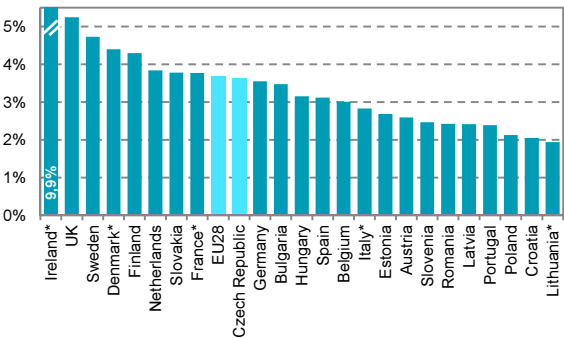


Figure E33 Value added in IT services***, 2011



***as a percentage of total non-financial business enterprise sector

* Year 2011

E ICT sector

Table E4 R&D expenditure in ICT sector in the Czech Republic

	CZK million		
	2010	2011	2012
Total	4 790	5 643	6 199
ICT manufacturing	592	567	466
ICT wholesale	82	101	117
Telecommunications	519	549	607
IT services	3 597	4 427	5 009

Figure E34 R&D expenditure in ICT sector

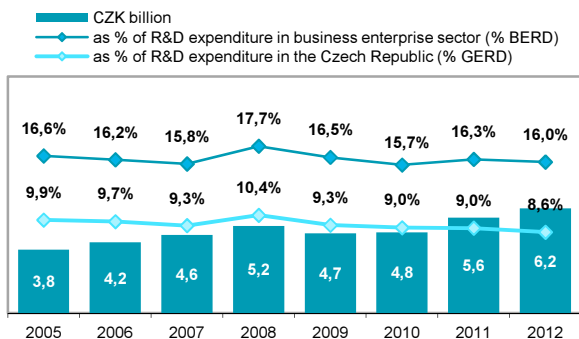


Figure E35 R&D expenditure in ICT sector by industry

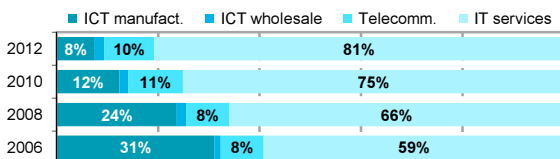


Figure E36 R&D expenditure in ICT sector by industry and ownership of enterprises, 2012

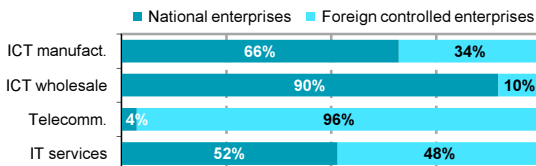
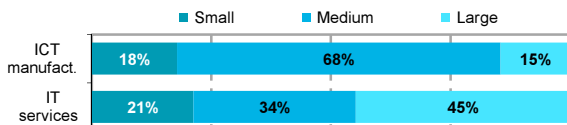


Figure E37 R&D expenditure in ICT sector by industry and size of enterprises, 2012



Source: CZSO, Annual R&D survey

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Figure E38 R&D expenditure in ICT manufacturing

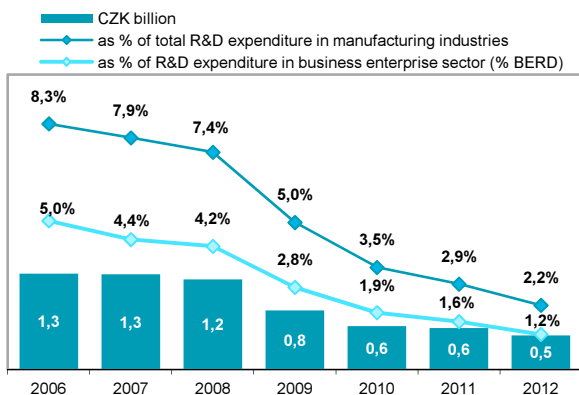


Figure E39 R&D expenditure in Telecommunications

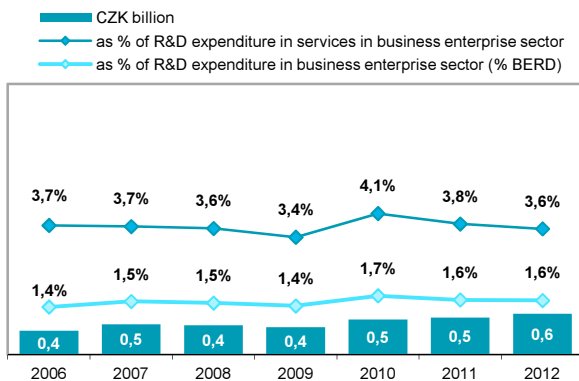
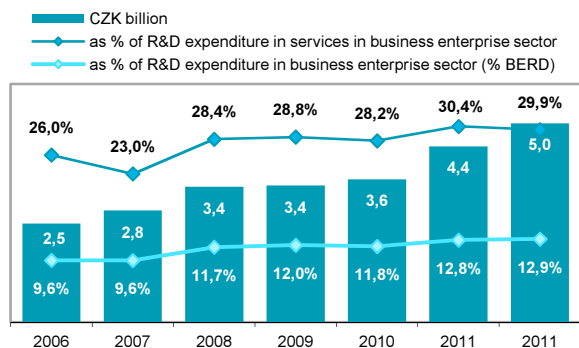


Figure E40 R&D expenditure in IT services



Source: CZSO, Annual R&D survey

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Table E5 Monthly gross wage in ICT sector in the CR

CZK

	2010	2011	2012
Total	39 827	41 268	42 396
ICT manufacturing	24 063	24 319	25 076
ICT wholesale	34 778	34 702	34 651
Telecommunications	45 052	46 236	48 485
IT services	45 840	48 116	48 549

Figure E41 Average monthly gross wage in ICT sector

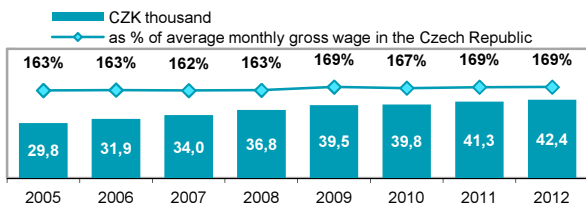


Figure E42 Average monthly gross wage in ICT manufacturing

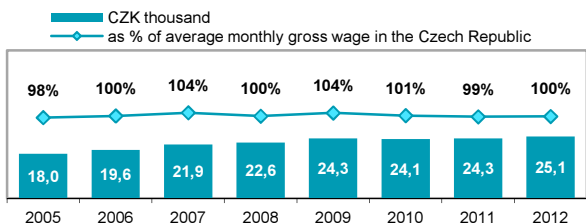


Figure E43 Average monthly gross wage in Telecommunication

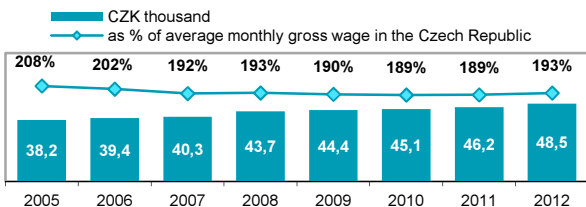
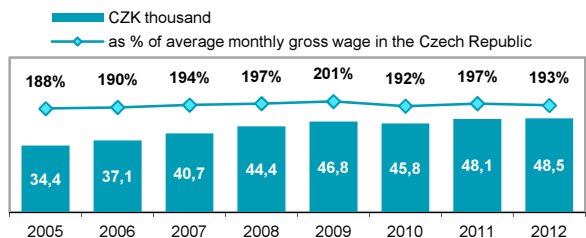


Figure E44 Average monthly gross wage in IT services



Source: CZSO, Structural Business Statistics

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Figure E45 Average monthly gross wage in ICT manufacturing, 2011 (thousands EUR)

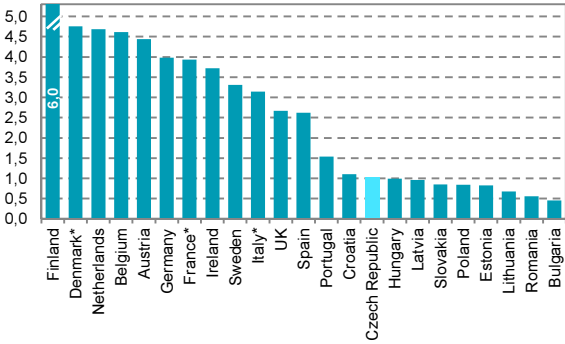


Figure E46 Average monthly gross wage in Telecommunications, 2011 (thousands EUR)

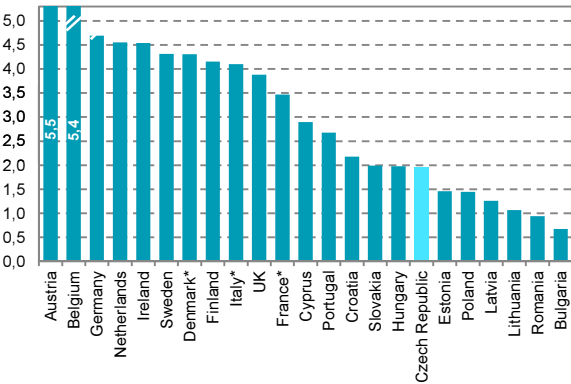
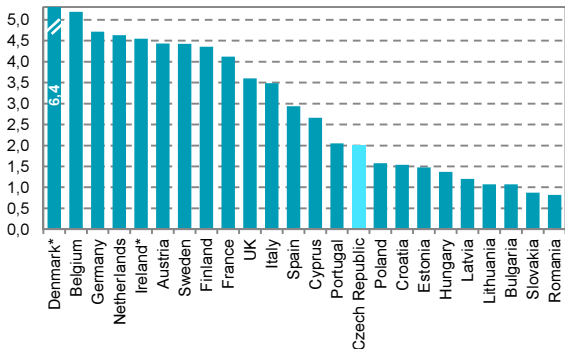


Figure E47 Average monthly gross wage in IT services, 2011 (thousands EUR)



* Year 2011

Source: Eurostat, Structural Business Statistics

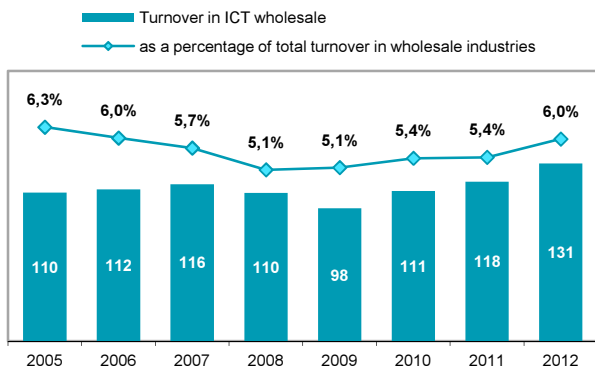
E ICT sector

Table E6 Turnover in ICT wholesale in the Czech Republic

CZK million

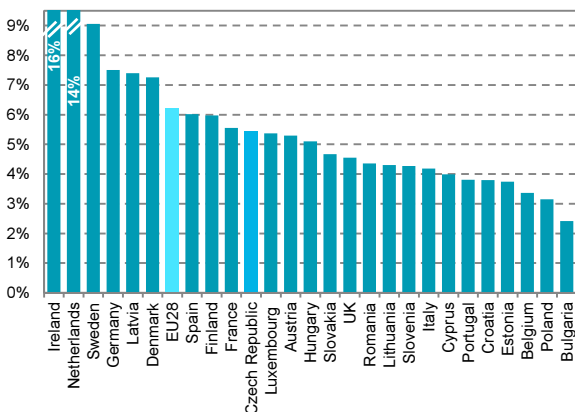
	2010	2011	2012
Total	111 163	118 095	131 390
Ownership of enterprises			
National	65 953	73 920	77 269
Foreign controlled	44 010	43 221	53 267
Size class of enterprises			
Small (0-49 employees)	62 898	69 998	80 816
Medium (50-249 employees)	44 184	33 000	36 513
Large (250+ employees)	4 080	15 097	14 061

Figure E48 Turnover in ICT wholesale



Source: CZSO, Structural Business Statistics

Figure E49 Turnover in ICT wholesale, 2011 (as % of total turnover in wholesale industries)



Source: Eurostat, Structural Business Statistics