

## G ICT sector

Information and Communication Technology Sector (hereafter **ICT sector**) is **defined** as a combination of **economic activities** of **manufacturing products** and **providing services** primarily dedicated to processing, communication, and distribution of information **electronically**, including information capture, storage, transmission, and display (OECD, 2006).

ICT sector together with Content and media sector was in 2007 recognized by the **United Nation Statistics Division** as a new alternative grouping of economic activities called **information economy** following the International Standard Industrial Classification of All Economic Activities (**ISIC Revision 4**). For more information see following web page: [https://ec.europa.eu/eurostat/cache/metadata/en/isoc\\_se\\_esms.htm](https://ec.europa.eu/eurostat/cache/metadata/en/isoc_se_esms.htm).

ICT sector includes a combination of **ICT manufacturing** and **ICT services** industries. ICT sector involves all enterprises with the prevailing economic activity according to the divisions, groups and classes of the **Classification of Economic Activities (CZ-NACE)** as follows:

### ICT manufacturing:

- 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 services:

#### 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:

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

More detailed information of the **CZ-NACE** can be found at:

<https://apl2.czso.cz/iSMS/en/klasstru.jsp?kodcis=80004>.

Data for this chapter, except for R&D expenditures (source: **R&D annual survey – see chapter D**), were obtained from the Annual structural survey of business entities from selected production industries (**SBS – Structural Business Statistics**). For more information about Czech SBS, see: <https://csu.gov.cz/annual-structural-business-statistics-methodology>.

**All 2022 data are preliminary.**

The **Eurostat Structural Business Statistics Database** was used as a data source for the **international comparison** (except for R&D expenditure). More information about this data source can be found at: <http://ec.europa.eu/eurostat/web/structural-business-statistics/overview>.

Data for international comparisons refer to **the reported or nearest available year**.

**Further information on ICT sector can be found at:**

<https://csu.gov.cz/ict-sector>.

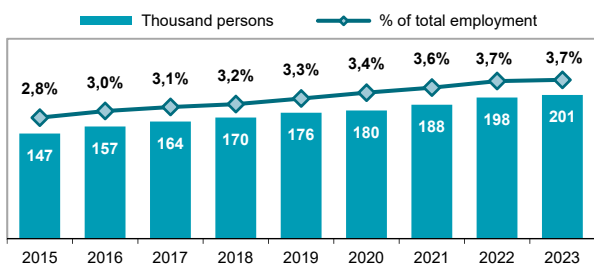
## G ICT sector

**Table G1 Employment in the ICT sector in Czechia**

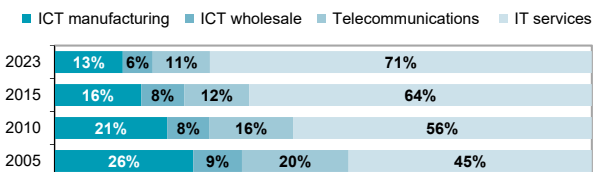
Number of persons employed - headcount persons

	2021	2022	2023
<b>Total</b>	<b>187 579</b>	<b>197 754</b>	<b>201 228</b>
<b>ICT manufacturing, total</b>	<b>24 745</b>	<b>25 853</b>	<b>25 518</b>
Manufacture of electronic components	8 540	9 192	10 179
Manuf. of computers and peripheral equip	6 918	7 219	6 855
Manuf. of communication equipment	5 511	5 635	5 507
Manufacture of consumer electronics	3 777	3 807	2 977
<b>ICT services, total</b>	<b>162 833</b>	<b>171 901</b>	<b>175 710</b>
ICT wholesale	11 703	12 120	11 224
Telecommunications	21 916	21 513	21 403
IT services	129 214	138 269	143 082

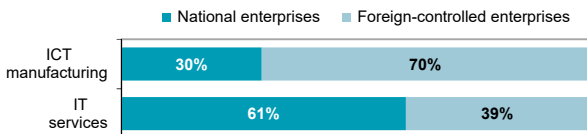
**Figure G1 Employment in the ICT sector**



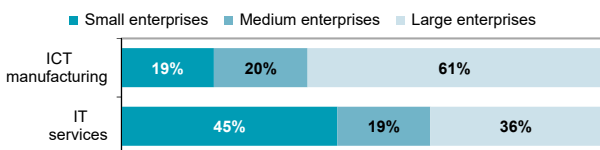
**Figure G2 Employment in the ICT sector, by industry**



**Figure G3 Employment in the ICT sector, by ownership; 2023**



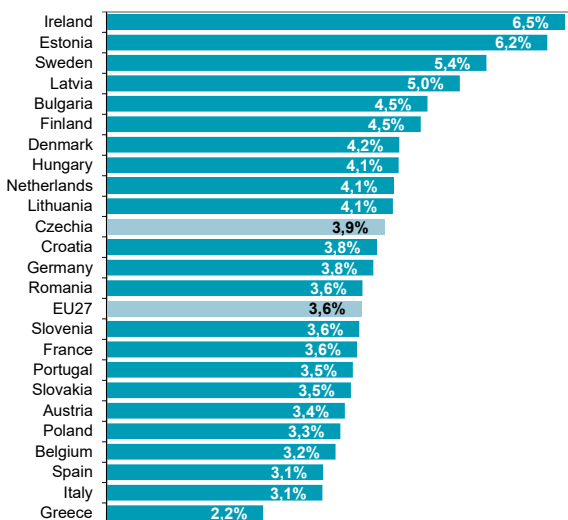
**Figure G4 Employment in the ICT sector, by size; 2023**



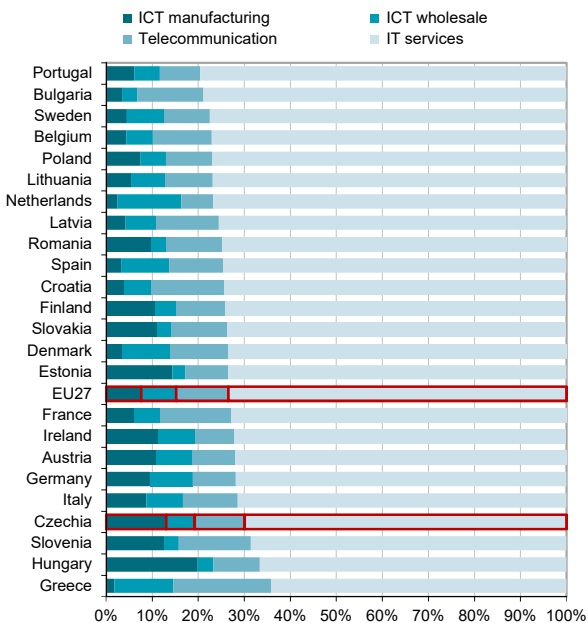
Source: CZSO, Structural Business Statistics

## G ICT sector

**Figure G5 Employment in the ICT sector; 2022**  
(% of total employment)



**Figure G6 Employment in the ICT sector, by industry; 2022**



Source: CZSO calculations based on the Eurostat SBS database

## G ICT sector

Figure G7 Employment in ICT manufacturing in Czechia

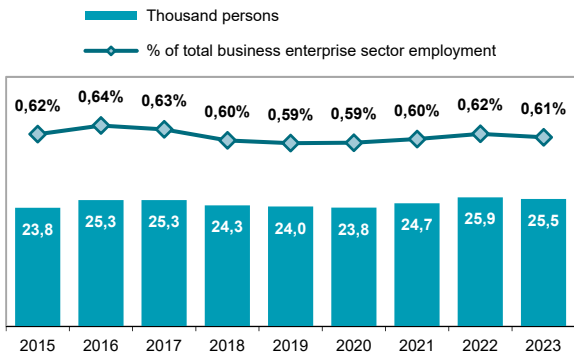


Figure G8 Employment in Telecommunications in Czechia

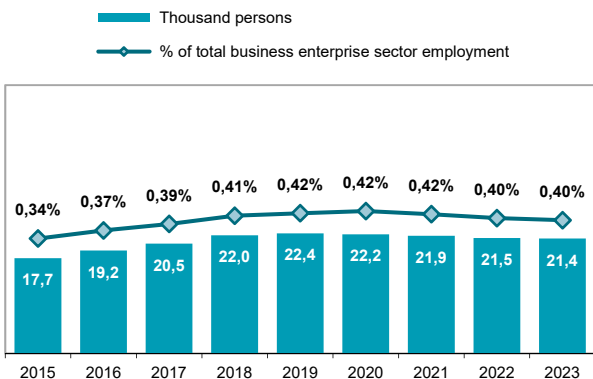
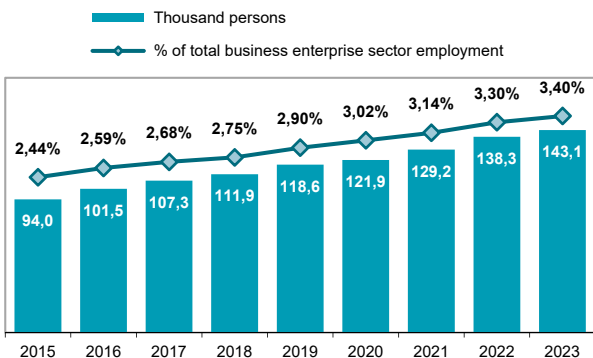


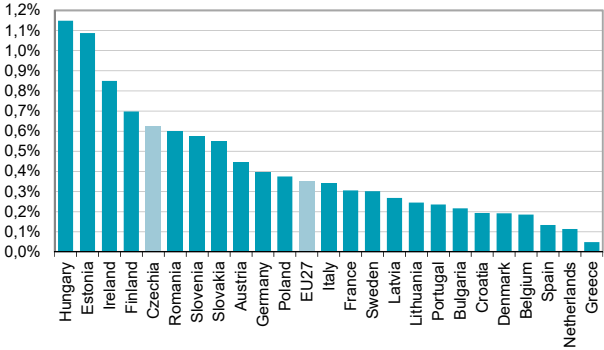
Figure G9 Employment in IT services in Czechia



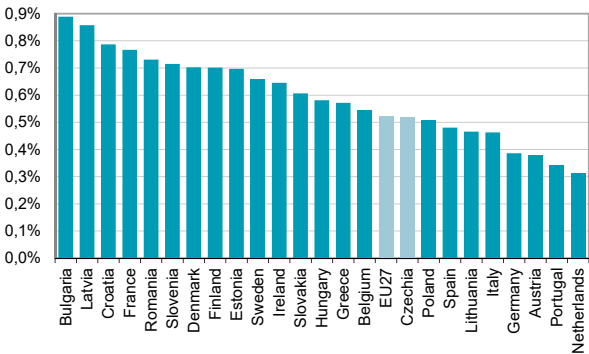
Source: CZSO, Structural Business Statistics

## G ICT sector

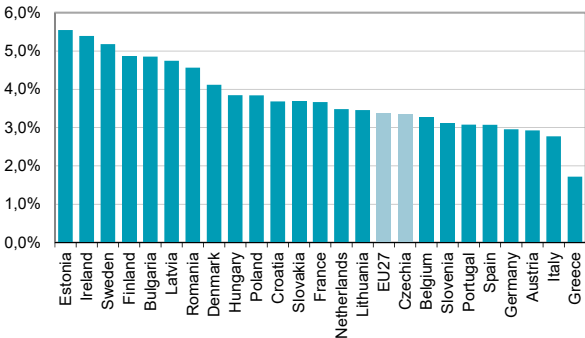
**Figure G10 Employment in ICT manufacturing; 2022**  
(% of total business enterprise sector employment)



**Figure G11 Employment in Telecommunications; 2022**  
(% of total business enterprise sector employment)



**Figure G12 Employment in IT services; 2022**  
(% of total business enterprise sector employment)



Source: CZSO calculations based on the Eurostat SBS database

## G ICT sector

Table G2 Turnover in the ICT sector in Czechia

CZK million

	2021	2022	2023
<b>Total</b>	<b>950 061</b>	<b>1 045 980</b>	<b>1 069 501</b>
<b>ICT manufacturing, total</b>	<b>231 257</b>	<b>240 848</b>	<b>210 047</b>
Manufacture of electronic components	20 591	26 723	32 419
Manuf. of comp. and peripheral equip.	158 124	166 828	136 086
Manuf. of communication equipment	18 711	19 107	19 775
Manufacture of consumer electronics	33 831	28 191	21 766
<b>ICT services, total</b>	<b>718 804</b>	<b>805 132</b>	<b>859 454</b>
ICT wholesale	184 748	205 071	203 211
Telecommunications	140 307	146 234	158 024
IT services	393 750	453 827	498 219

Figure G13 Turnover in the ICT sector

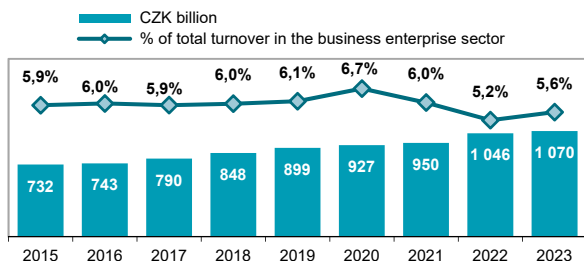


Figure G14 Turnover in the ICT sector, by industry

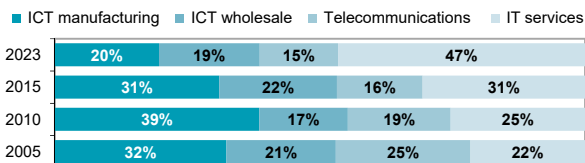


Figure G15 Turnover in the ICT sector, by ownership; 2023

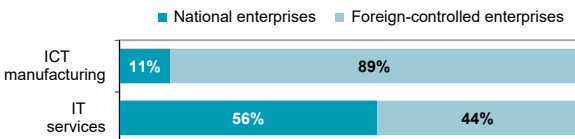
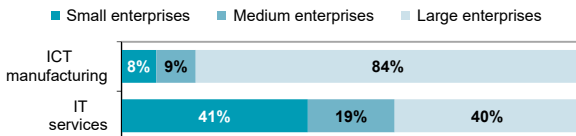


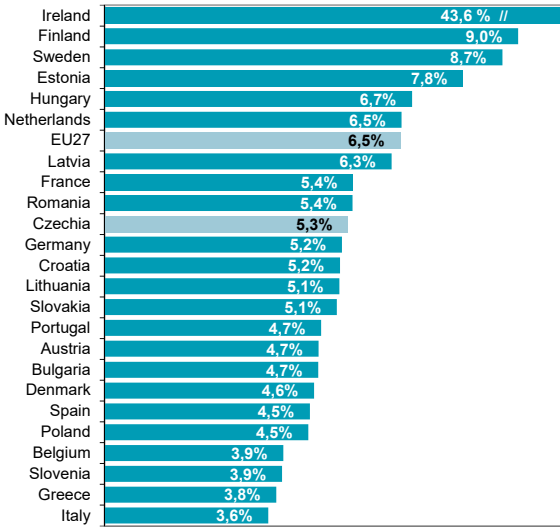
Figure G16 Turnover in the ICT sector, by size; 2023



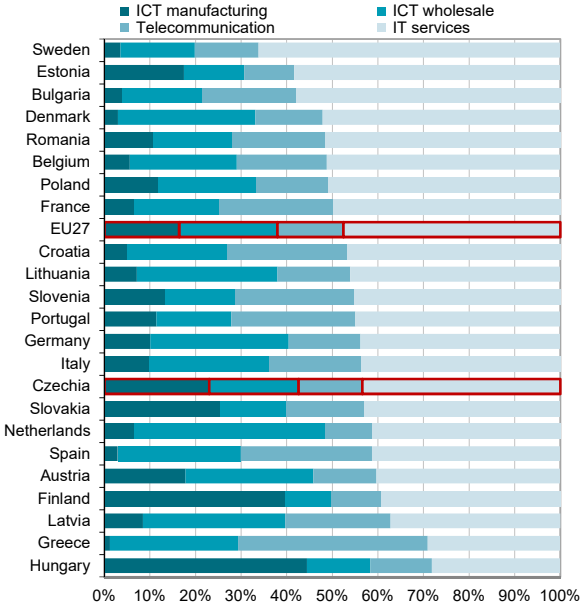
Source: CZSO, Structural Business Statistics

## G ICT sector

**Figure G17 Turnover in the ICT sector; 2022**  
(% of total turnover in the business enterprise sector)



**Figure G18 Turnover in the ICT sector, by industry; 2022 (%)**



Source: CZSO calculations based on the Eurostat SBS database

## G ICT sector

Figure G19 Turnover in ICT manufacturing in Czechia

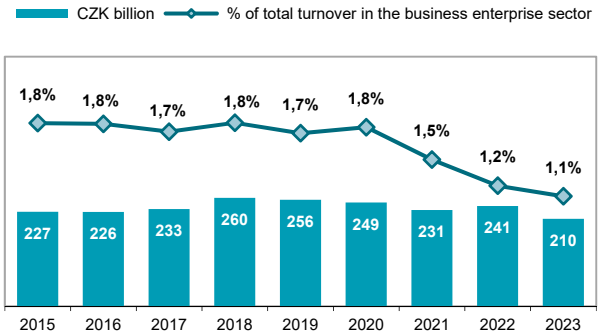


Figure G20 Turnover in Telecommunications in Czechia

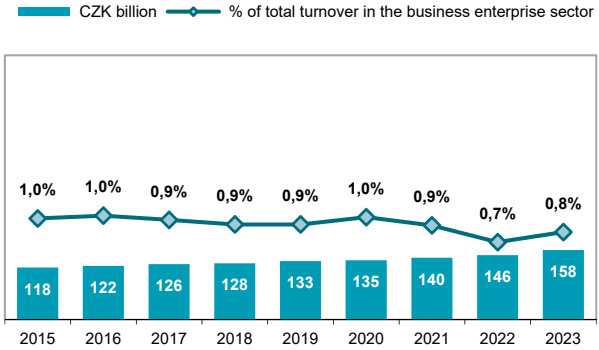
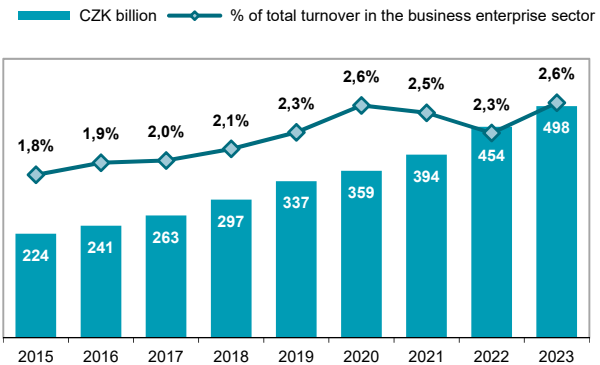


Figure G21 Turnover in IT services in Czechia



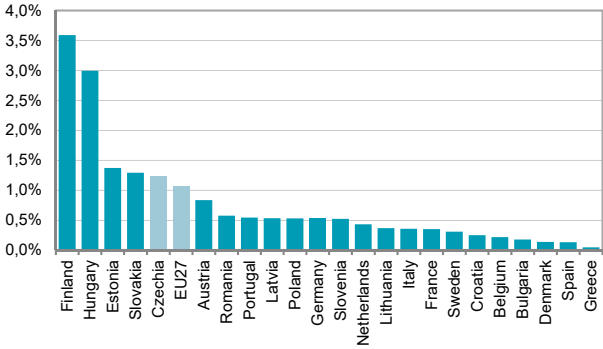
Source: CZSO, Structural Business Statistics



## G ICT sector

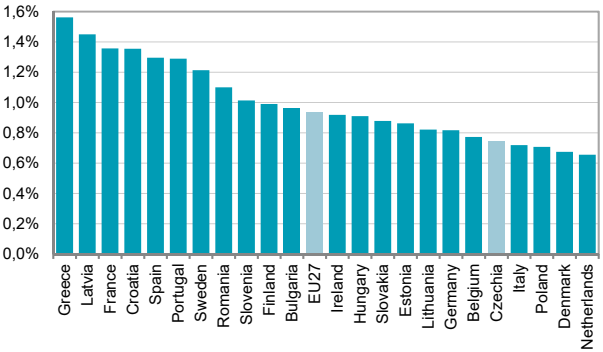
**Figure G22 Turnover in ICT manufacturing; 2022**

(% of total turnover in the business enterprise sector)



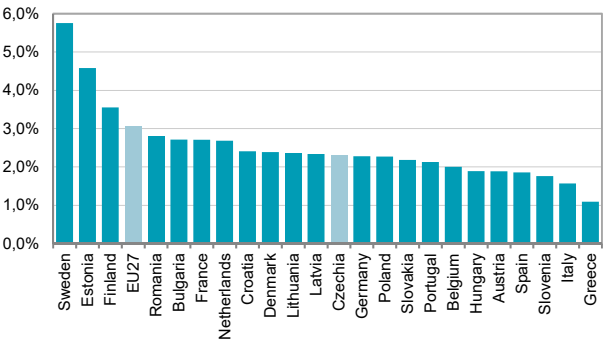
**Figure G23 Turnover in Telecommunications; 2022**

(% of total turnover in the business enterprise sector)



**Figure G24 Turnover in IT services; 2022**

(% of total turnover in the business enterprise sector)



Source: CZSO calculations based on the Eurostat SBS database

## G ICT sector

Table G3 R&D expenditure in the ICT sector in Czechia

CZK million

	2021	2022	2023
<b>Total</b>	<b>20 190</b>	<b>23 035</b>	<b>23 530</b>
<b>ICT manufacturing, total</b>	<b>727</b>	<b>1 054</b>	<b>1 172</b>
Manufacture of electronic components	304	498	569
Manuf. of computers and peripheral equip	33	37	35
Manuf. of communication equipment	349	466	521
Manufacture of consumer electronics	42	53	47
<b>ICT services, total</b>	<b>19 463</b>	<b>21 982</b>	<b>22 359</b>
ICT wholesale	207	196	342
Telecommunications	780	836	893
IT services	18 475	20 950	21 124

Figure G25 R&D expenditure in the ICT sector

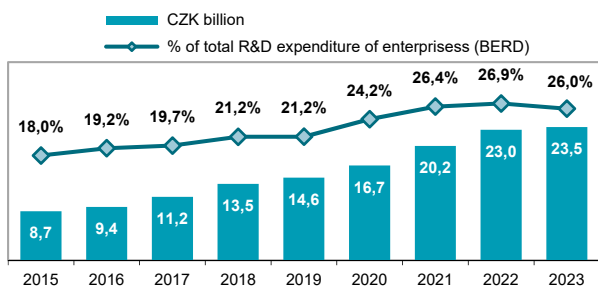


Figure G26 R&D expenditure in the ICT sector, by industry

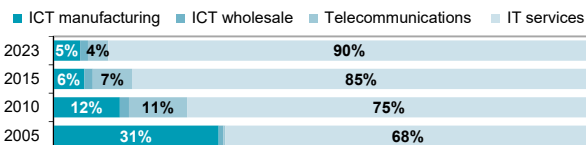


Fig.G27 R&D expenditure in the ICT sector, by ownership; 2023

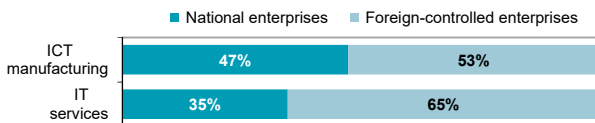
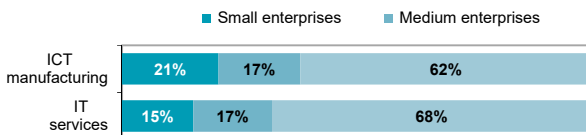


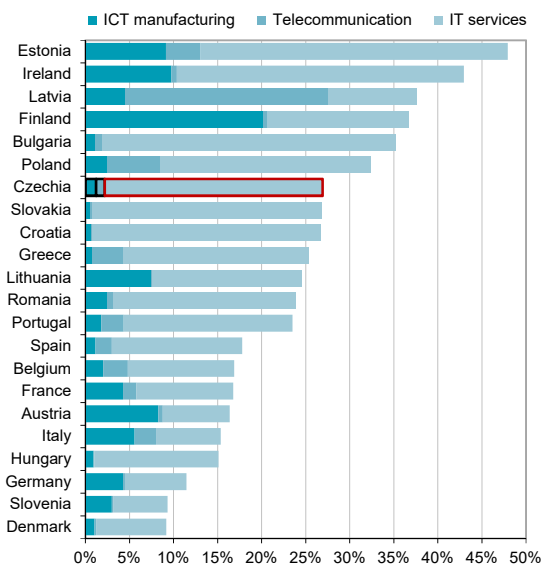
Figure G28 R&D expenditure in the ICT sector, by size; 2023



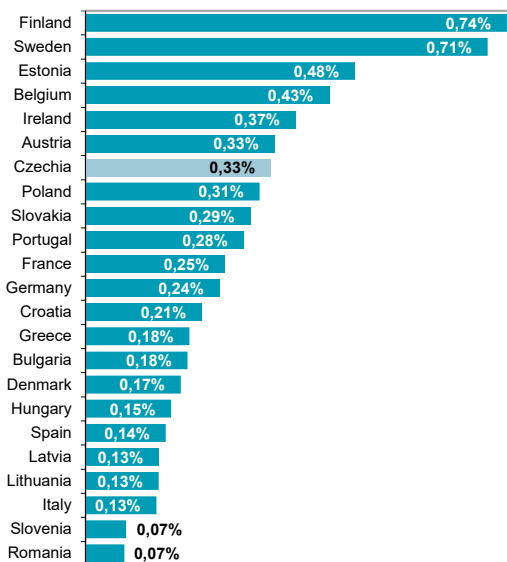
Source: CZSO, Annual R&D survey

## G ICT sector

**Figure G29 R&D expenditure in the ICT sector; 2022**  
(% of total R&D expenditure of enterprises)



**Figure G30 R&D expenditure in the ICT sector; 2022**  
(% of GDP)



Source: CZSO calculations based on the Eurostat STI Database

## G ICT sector

Figure G31 R&D expenditure in ICT manufacturing in Czechia

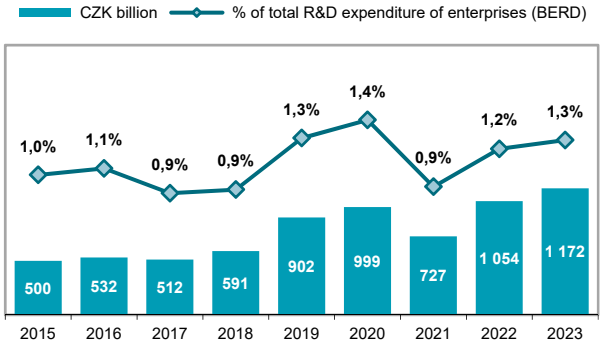


Figure G32 R&D expenditure in Telecommunications in Czechia

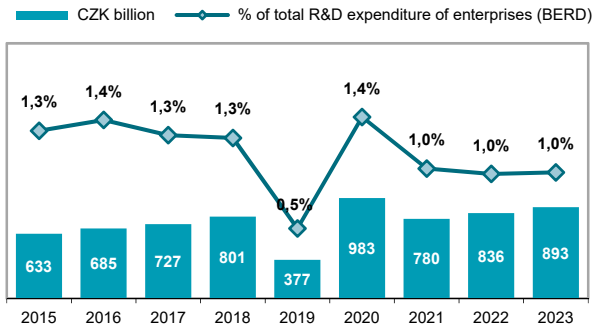
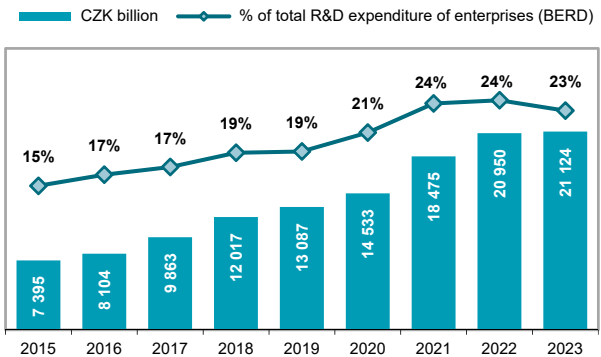


Figure G33 R&D expenditure in IT services in Czechia



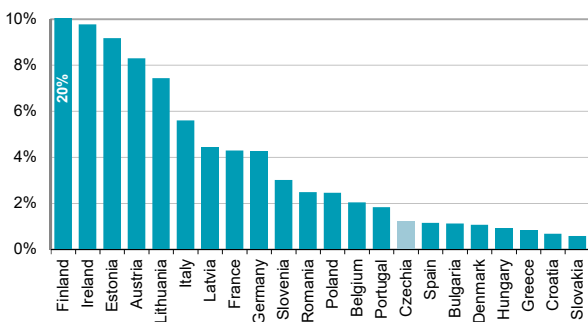
R&D - Research and development

Source: CZSO, Annual R&D survey

## G ICT sector

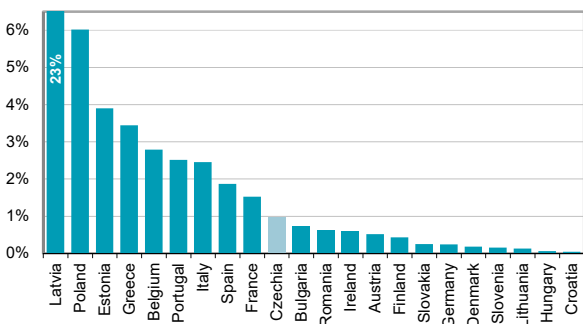
**Figure G34 R&D expenditure in ICT manufacturing; 2022**

(% of total R&D expenditure of enterprises)



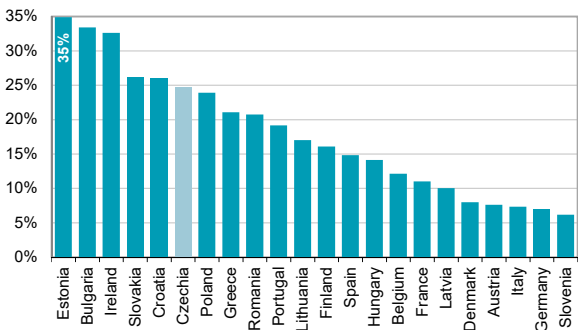
**Figure G35 R&D expenditure in Telecommunications; 2022**

(% of total R&D expenditure of enterprises)



**Figure G36 R&D expenditure in IT services; 2022**

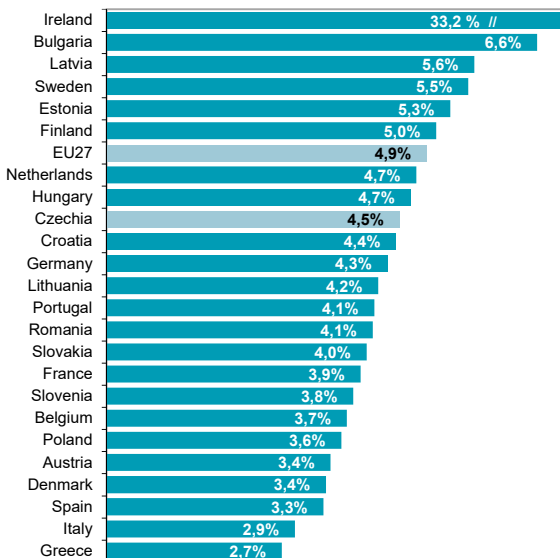
(% of total R&D expenditure of enterprises)



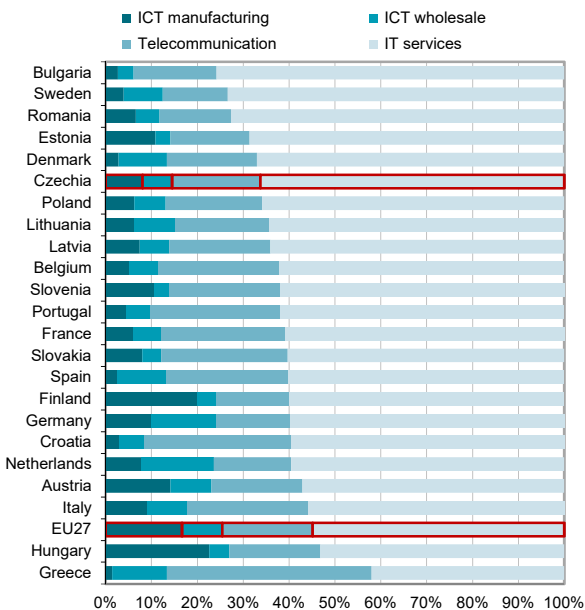
Source: CZSO calculations based on the Eurostat STI Database

## G ICT sector

**Graf G37 Value added in ICT sector; 2022**  
(% GDP)



**Graf G38 Value added in ICT sector, by industry; 2022 (%)**



Source: CZSO calculations based on the Eurostat SBS database