

D ICT international trade

ICT international trade **contains** external trade in both ICT goods and ICT services. **ICT products** are defined as goods or services which must be primarily intended to fulfill or enable the function of information processing and communication by electronic means, including transmission and display (OECD 2008).

The list of ICT goods used for the external trade statistics is based on the *Harmonized System (HS2007)*, an international classification standard used for trade statistics, and worked carried by the WPIIS expert group in 2010. List of ICT goods defined at 6-digit level of HS2007 (95 items) was further grouped into the five main categories as follows:

- Communication equipment;
- Computer equipment;
- Consumer electronics;
- Electronic components;
- Miscellaneous ICT parts.

The **External Trade Statistics Database** of the Czech Statistical Office (CZSO) was used as a data source for national data. **2012 data are preliminary**. For more information see:

<http://apl.czso.cz/pll/stazo/STAZO.STAZO?jazyk=EN>

The detail data on external trade in ICT goods at the level of sub-categories are published here only since the reference year 2007. This is due to substantial changes of respective items of the main ICT goods categories in the 2007 version of the Harmonized System.

The **UNCTAD database** and **The UN Comtrade database** was used as a data source for the international comparison:

<http://unctad.org/en/Pages/Statistics.aspx>; <http://comtrade.un.org/db/>

Data on trade in ICT goods for main ICT categories published by the Czech Statistical Office differ slightly from the data published by OECD or UNCTAD as different classification of some ICT items was used.

Further information on ICT goods trade statistics can be found at:

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

Data on trade in **ICT services** are currently limited compared to data on trade in ICT goods. The current services classification is based on the Extended Balance of Payments Services Classification (EBOPS). The ICT services are subdivided into two fundamental categories as follows:

- Telecommunication services (code 247); and
- Computer services (code 263).

Since 2005 data about trade in ICT services in the Czech Republic comes from the **survey on exports and imports of services** carry out by the CZSO. Until 2004 data were based on the current account of the balance of payments (BOP) provided by the **Czech National Bank (CNB)**. The individual BOP items are defined in compliance with individual receipt and payment items and correspond with international codes of BPM5. For more information see: http://www.cnb.cz/en/statistics/bop_stat/

The **Eurostat Balance of Payments Database** was used as a data source for the international comparison. For more information see:

http://epp.eurostat.ec.europa.eu/portal/page/portal/balance_of_payments/data/database

Further information on ICT services trade statistics can be found at:

http://www.czso.cz/csu/redakce.nsf/i/zahranicni_obchod_s_ict_sluzbami.

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Table D1 Exports of ICT goods from the Czech Republic

CZK million

	2010	2011	2012
Total	396 508	440 053	441 839
Communication equipment	35 220	61 281	62 429
Computer equipment	186 551	194 971	216 557
Consumer electronics	89 274	86 460	76 007
Electronic components	44 080	49 246	40 483
Miscellaneous ICT parts	41 383	48 094	46 361

Figure D1 ICT goods exports

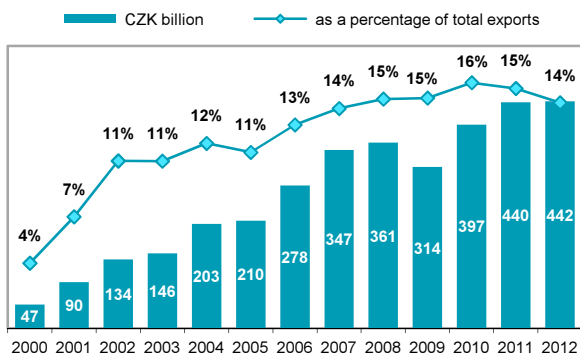


Figure D2 ICT goods exports by commodities

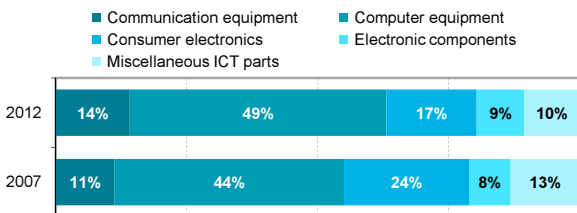
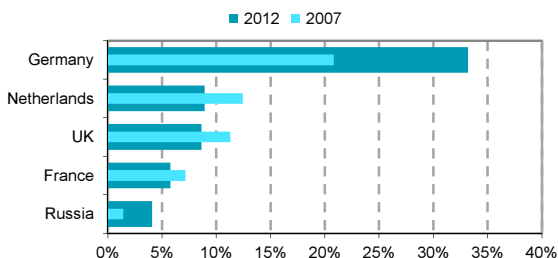


Figure D3 ICT goods exports by countries



Source: CZSO, External Trade Statistics Database

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Table D2 Imports of ICT goods to the Czech Republic

	CZK million		
	2010	2011	2012
Total	432 179	422 231	399 408
Communication equipment	34 751	52 182	51 709
Computer equipment	123 278	149 274	142 364
Consumer electronics	30 825	33 166	32 014
Electronic components	114 187	76 710	74 832
Miscellaneous ICT parts	129 137	110 900	98 489

Figure D4 ICT goods imports

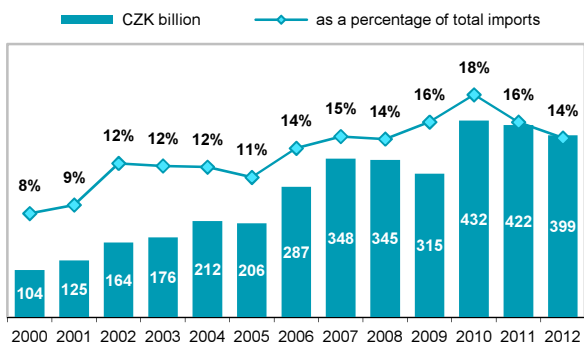


Figure D5 ICT goods imports by commodities

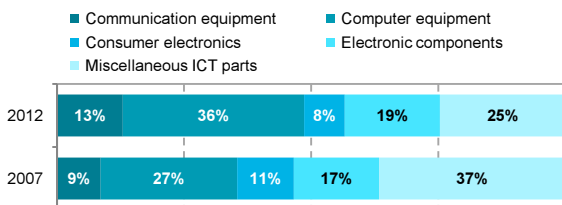
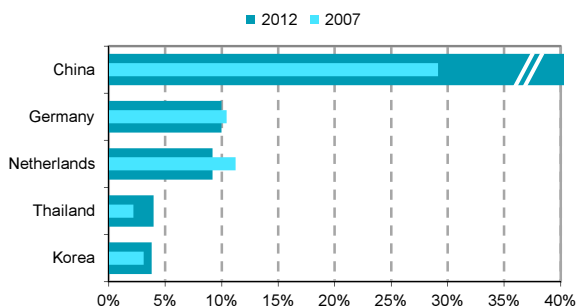


Figure D6 ICT goods imports by countries



Source: CZSO, External Trade Statistics Database

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**Figure D7 ICT goods exports
(as percentage of total merchandise exports)**

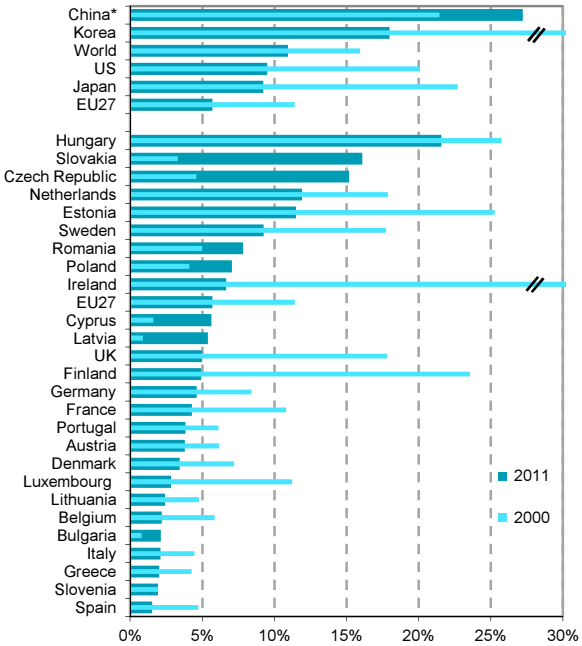
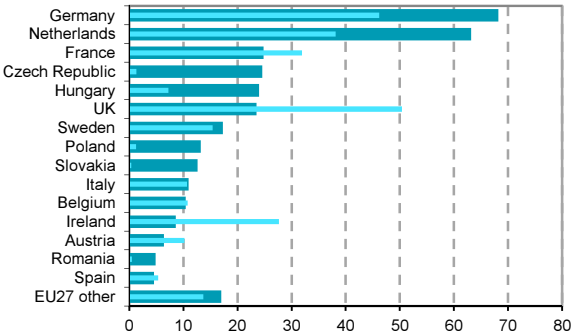
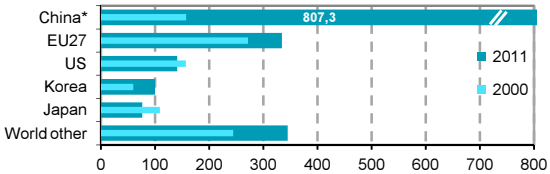


Figure D8 ICT goods exports (US\$ billion)



China* = (China; Hong Kong China; Macao China; China Taiwan)

Source: UNCTAD and CZSO calculations

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**Figure D9 ICT goods imports
(as percentage of total merchandise imports)**

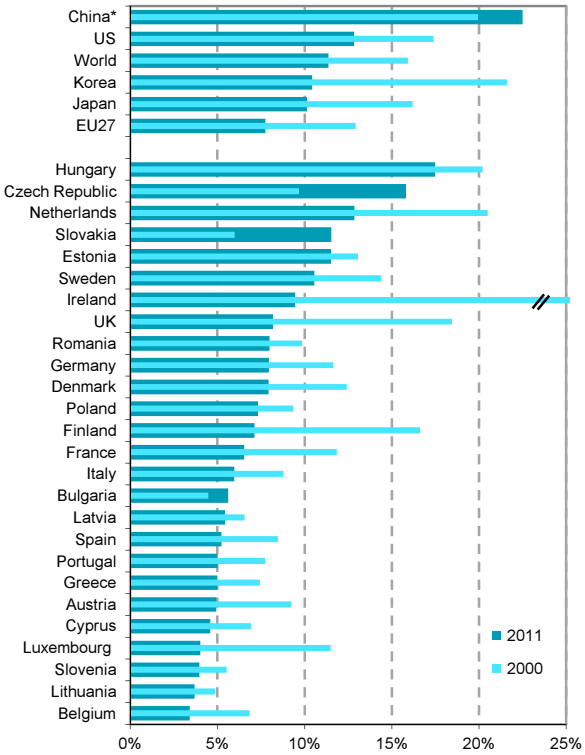
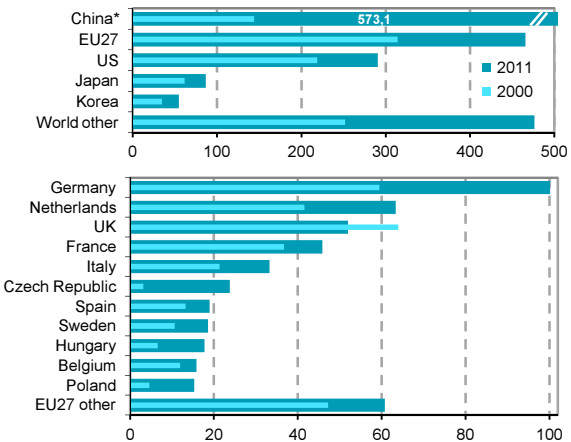


Figure D10 ICT goods imports (US\$ billion)



China* = (China; Hong Kong China; Macao China; China Taiwan)

Source: UNCTAD and CZSO calculations

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Table D3 Communication equipment exports from the CR

CZK million

	2010	2011	2012
Total	35 220	61 281	62 429
Mobile phones	18 058	38 140	39 435
Other telecommunication equipment	1 221	1 459	1 440
Radio or TV transmission apparatus	15 941	21 681	21 555

Figure D11 Communication equipment exports

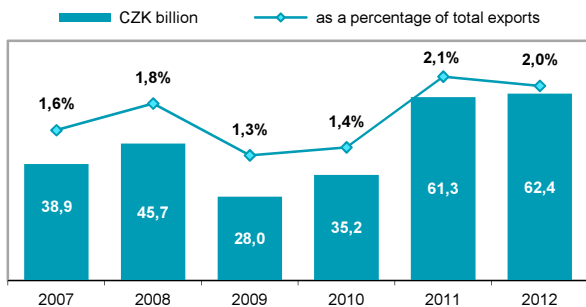


Figure D12 Communication equipment exports by commodities

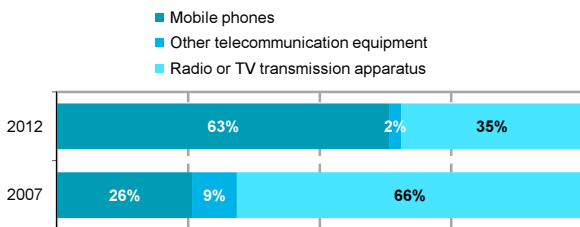
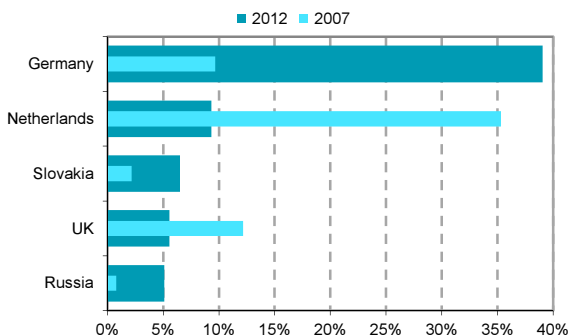


Figure D13 Communication equipment exports by countries



Source: CZSO, External Trade Statistics Database

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Table D4 Communication equipment imports to the CR

	CZK million		
	2010	2011	2012
Total	34 751	52 182	51 709
Mobile phones	20 849	35 586	34 585
Other telecommunication equipment	2 424	2 022	1 981
Radio or TV transmission apparatus	11 478	14 575	15 143

Figure D14 Communication equipment imports

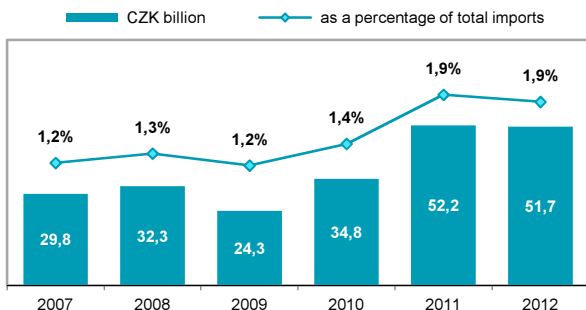


Figure D15 Communication equipment imports by commodities

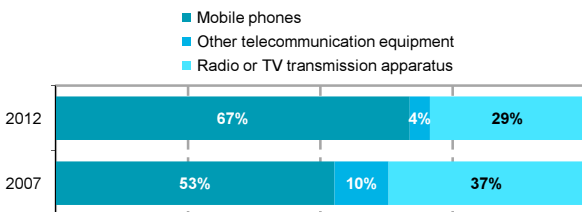
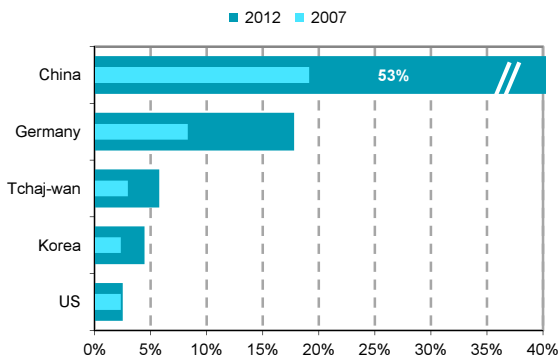


Figure D16 Communication equipment imports by countries



Source: CZSO, External Trade Statistics Database

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Table D5 Computer equipment exports from the CR

CZK million

	2010	2011	2012
Total	186 551	194 971	216 557
Portable computers and tablets	42 260	56 324	67 940
Other computers	89 346	81 282	83 035
Computer peripherals, total	54 945	57 365	65 582
Storage units	33 946	33 233	42 748
Sound, video, network and similar cards	5 891	7 749	7 435
Monitors and projectors	4 526	4 849	3 980
Printers, copying or faxing machines	5 579	5 271	5 198
Input or output peripherals n.e.s*.	10 641	13 748	13 461

* Keyboards; joystick, computer mice, scanners or optical readers

Figure D17 Computer equipment exports

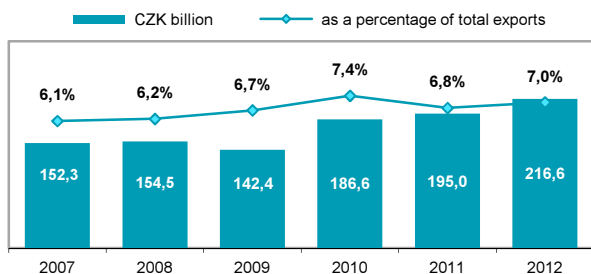


Figure D18 Computer equipment exports by commodities

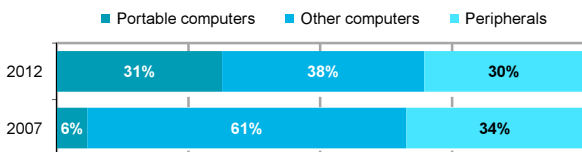
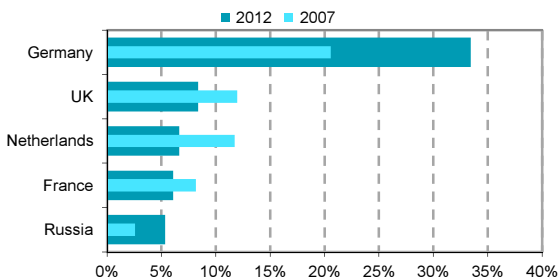


Figure D19 Computer equipment exports by countries



Source: CZSO, External Trade Statistics Database

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Table D6 Computer equipment imports to the Czech Republic

CZK million

	2010	2011	2012
Total	123 278	149 274	142 364
Portable computers and tablets	44 876	69 912	59 053
Other computers	13 765	13 799	12 903
Computer peripherals, total	64 637	65 562	70 407
Storage units	40 453	34 700	43 433
Sound, video, network and similar cards	7 007	9 190	9 820
Monitors and projectors	4 525	9 204	5 301
Printers, copying or faxing machines	7 004	7 192	6 672
Input or output peripherals n.e.s*	12 086	13 836	14 201

* Keyboards; joystick, computer mice, scanners or optical readers

Figure D20 Computer equipment imports

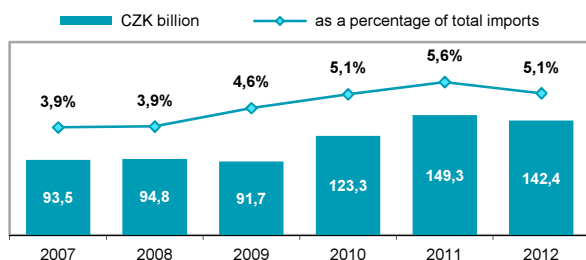


Figure D21 Computer equipment by commodities

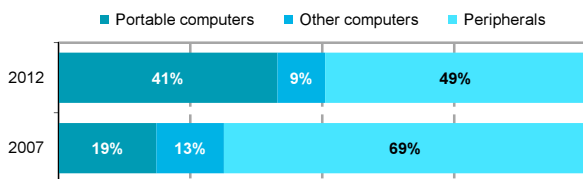
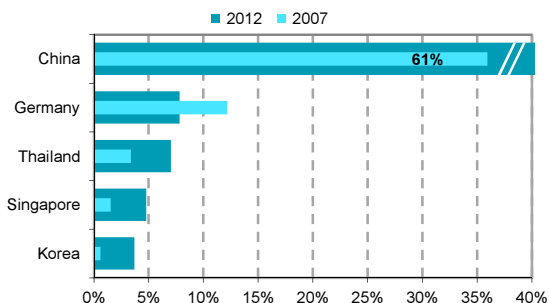


Figure D22 Computer equipment by countries



Source: CZSO, External Trade Statistics Database

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Table D7 Consumer electronics exports from the CR

CZK million

	2010	2011	2012
Total	89 274	86 460	76 007
Radio and TV receivers	66 807	65 022	57 409
Sound, video and image record. apparat.	15 714	16 052	12 352
Parts and accessories*	6 753	5 387	6 247

* Monitors and projectors; Microphones and stands there for; Loudspeakers; Headphones, Electric sound amplifier sets etc.

Figure D23 Consumer electronics exports

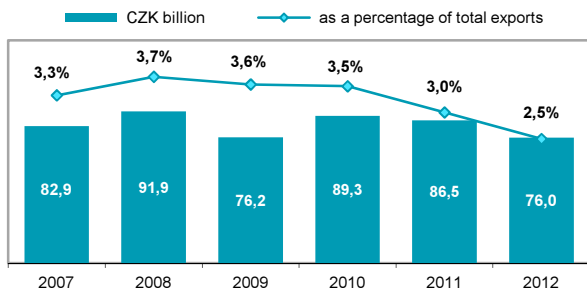


Figure D24 Consumer electronics exports by commodities

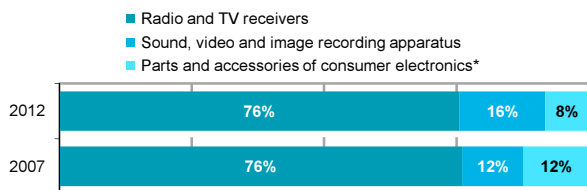
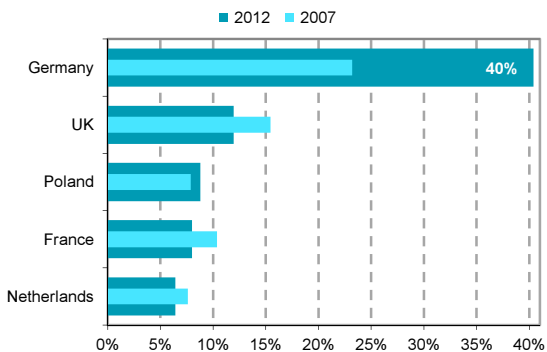


Figure D25 Consumer electronics exports by countries



Source: CZSO, External Trade Statistics Database

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Table D8 Consumer electronics imports to the Czech Republic

CZK million

	2010	2011	2012
Total	30 825	33 166	32 014
Radio and TV receivers	11 746	15 916	15 025
Sound, video and image record. apparat.	10 100	11 797	11 504
Parts and accessories*	8 979	5 452	5 485

* Monitors and projectors; Microphones and stands there for; Loudspeakers; Headphones, Electric sound amplifier sets etc.

Figure D26 Consumer electronics imports

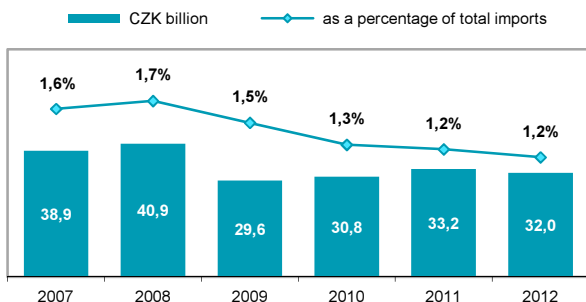


Figure D27 Consumer electronics imports by commodities

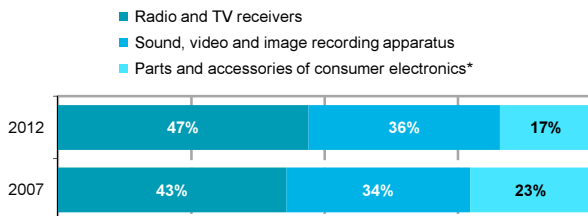
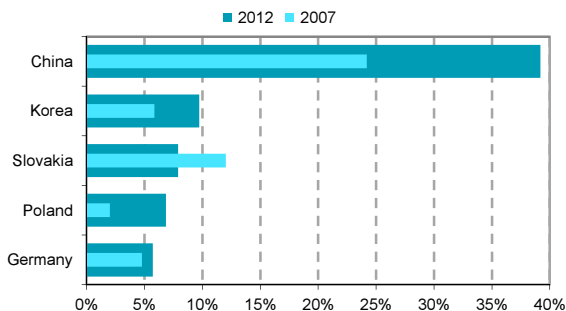


Figure D28 Consumer electronics imports by countries



Source: CZSO, External Trade Statistics Database

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Table D9 Electronic components exports from the CR

CZK million

	2010	2011	2012
Total	44 080	49 246	40 483
Electronic integrated circuits	19 473	25 097	26 029
Printed circuits	2 960	3 245	3 076
Other electronic components	21 647	20 904	11 378

Figure D29 Electronic components exports

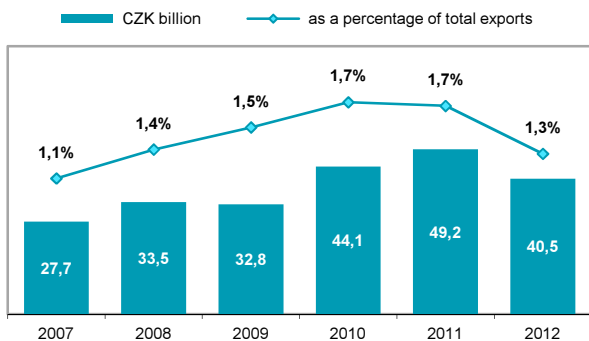


Figure D30 Electronic components exports by commodities

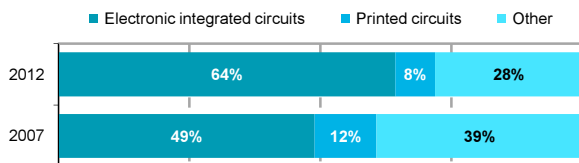
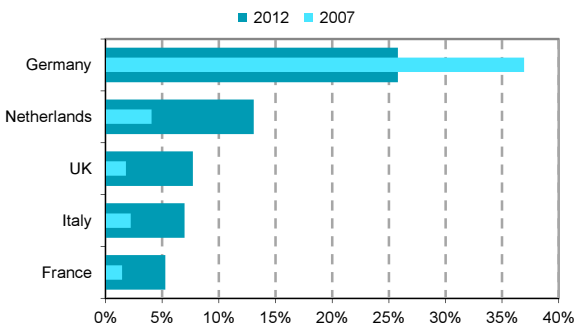


Figure D31 Electronic components exports by countries



Source: CZSO, External Trade Statistics Database

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Table D10 Electronic components imports to the CR

CZK million

	2010	2011	2012
Total	114 187	76 710	74 832
Electronic integrated circuits	45 127	47 190	54 912
Printed circuits	7 389	6 569	6 584
Other electronic components	61 671	22 950	13 336

Figure D32 Electronic components imports

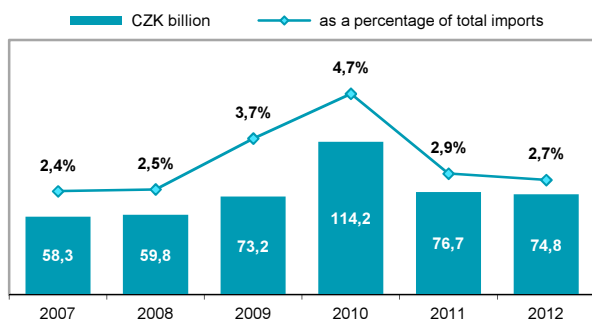


Figure D33 Electronic components imports by commodities

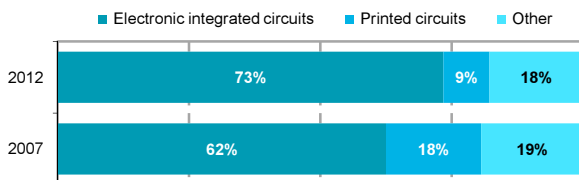
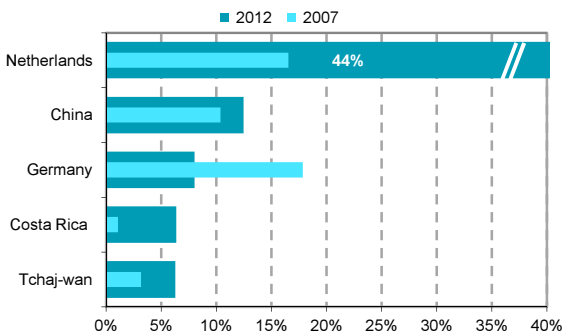


Figure D34 Electronic components imports by countries



Source: CZSO, External Trade Statistics Database

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Table D11 Miscellaneous ICT parts exports from the CR

CZK million

	2010	2011	2012
Total	41 383	48 094	46 361
Parts and accessories n.e.s. mainly for computers	23 902	32 732	31 009
telecommunication equipment	7 688	7 200	7 077
consumer electronics	9 794	8 163	8 275

Figure D35 Miscellaneous ICT parts exports

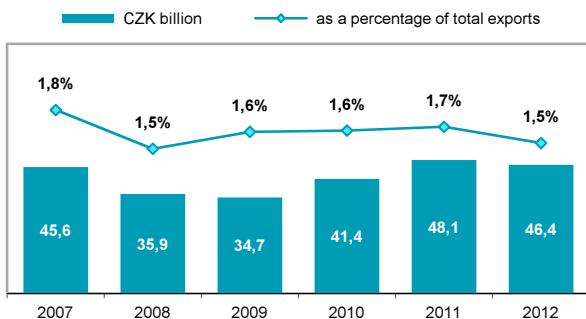


Figure D36 Miscellaneous ICT parts exports by commodities

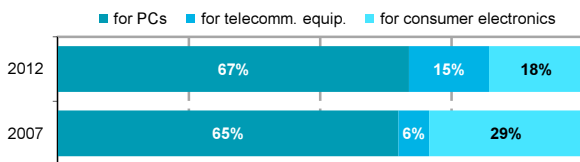
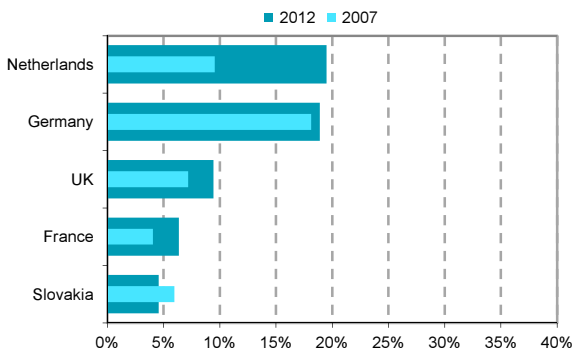


Figure D37 Miscellaneous ICT parts exports by countries



Source: CZSO, External Trade Statistics Database

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Table D12 Miscellaneous ICT parts imports to the CR

CZK million

	2010	2011	2012
Total	129 137	110 900	98 489
Parts and accessories n.e.s. mainly for computers	62 513	58 239	55 409
telecommunication equipment	7 151	7 605	9 071
consumer electronics	59 473	45 056	34 009

Figure D38 Miscellaneous ICT parts imports

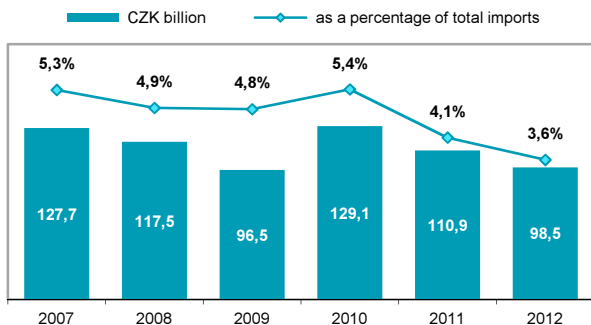


Figure D39 Miscellaneous ICT parts imports by commodities

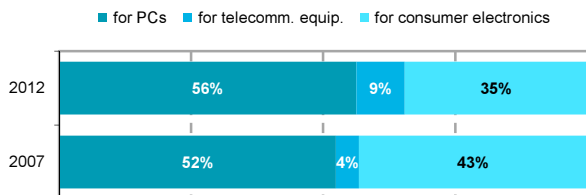
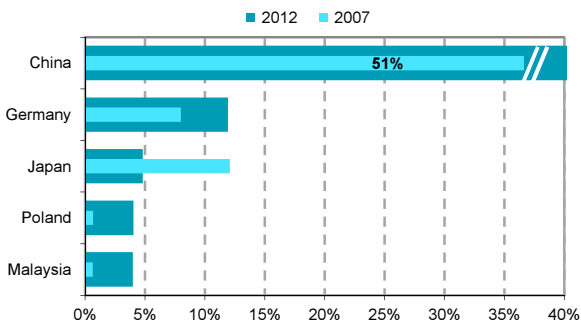


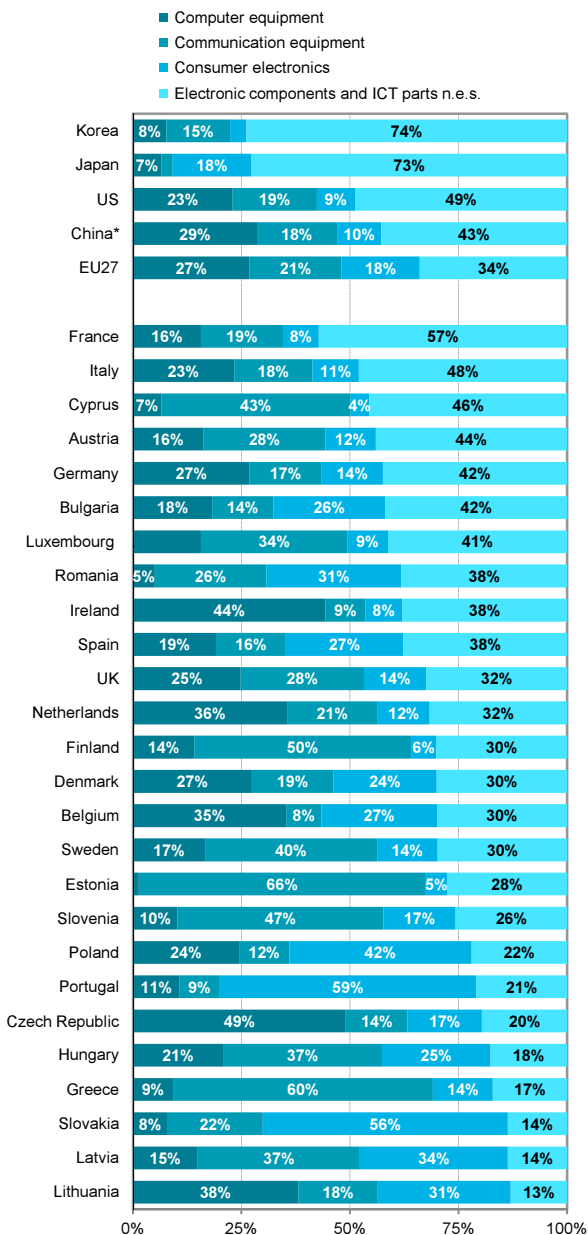
Figure D40 Miscellaneous ICT parts imports by countries



Source: CZSO, External Trade Statistics Database

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Figure D41 ICT goods exports by commodities, 2012

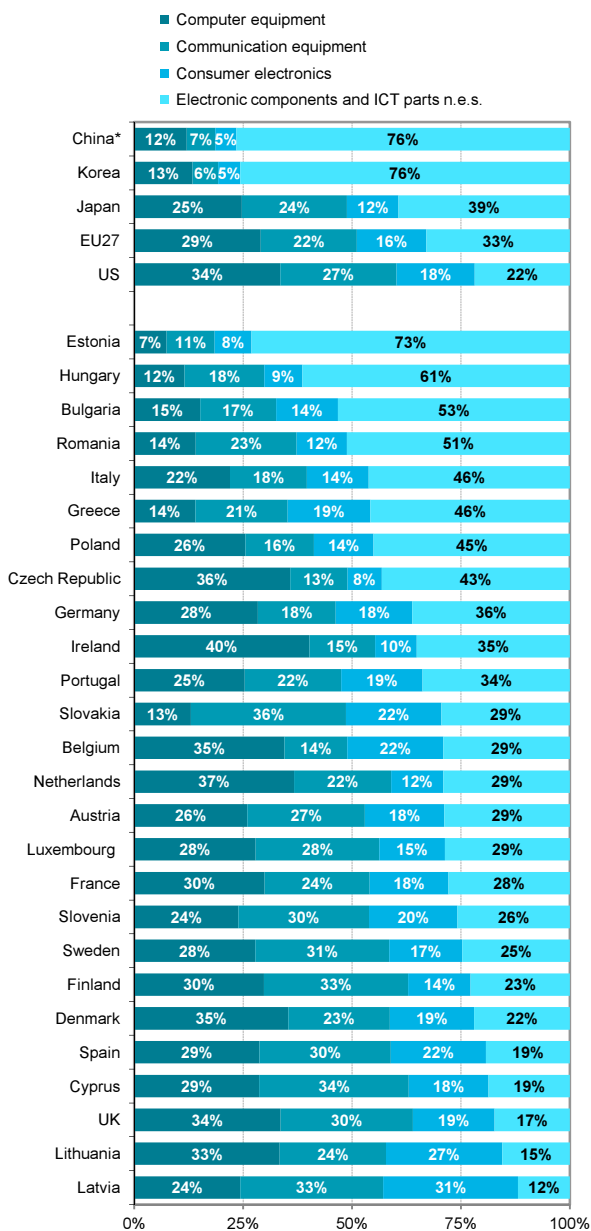


China* = (China; Hong Kong China; Macao China; China Taiwan)

Source: UN, Comtrade database and CZSO calculations

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Figure D42 ICT goods imports by commodities, 2012



China* = (China; Hong Kong China; Macao China; China Taiwan)

Source: UN, Comtrade database and CZSO calculations

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Table D13 Exports of ICT services from the Czech Republic

CZK million

	2010	2011	2012
Total	31 506	35 471	42 780
Telecommunication services	9 156	8 128	8 874
Computer services	22 351	27 343	33 907
Ownership of enterprises			
National	2 581	2 746	5 386
Foreign controlled	28 926	32 725	37 394
Size class of enterprises			
Small (0-49 employees)	1 857	3 109	3 877
Medium (50-249 employees)	7 402	6 451	5 677
Large (250+ employees)	22 248	25 911	33 226

Figure D43 ICT services exports

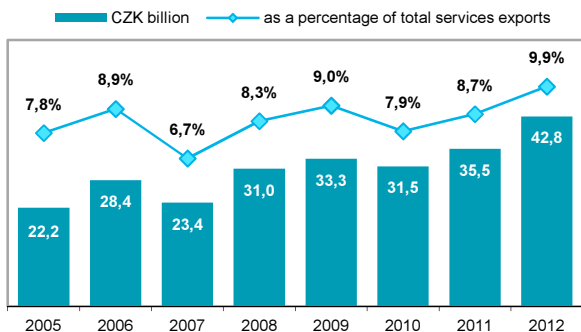


Figure D44 ICT services exports by type of service

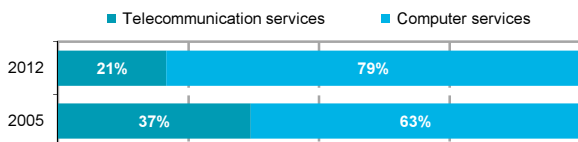
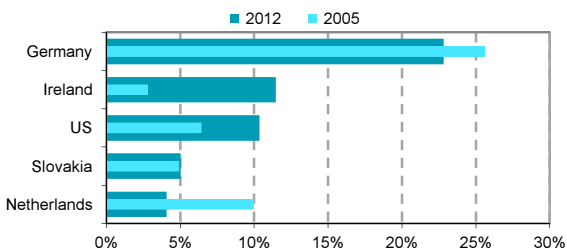


Figure D45 ICT services exports by countries



Source: CZSO, Survey on exports and imports of services

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Table D14 Imports of ICT services to the Czech Republic

CZK million

	2010	2011	2012
Total	29 944	29 696	30 713
Telecommunication services	10 433	10 418	10 811
Computer services	19 511	19 278	19 902
Ownership of enterprises			
National	1 888	938	1 904
Foreign controlled	28 057	28 757	28 809
Size class of enterprises			
Small (0-49 employees)	1 892	1 364	1 922
Medium (50-249 employees)	5 813	5 257	4 172
Large (250+ employees)	22 239	23 075	24 619

Figure D46 ICT services imports

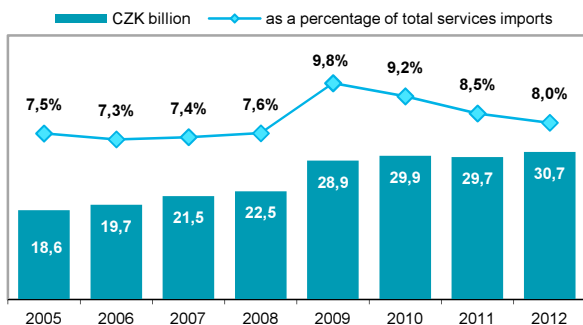


Figure D47 ICT services imports by type of service

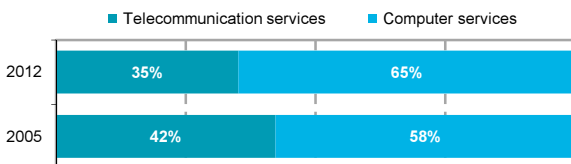
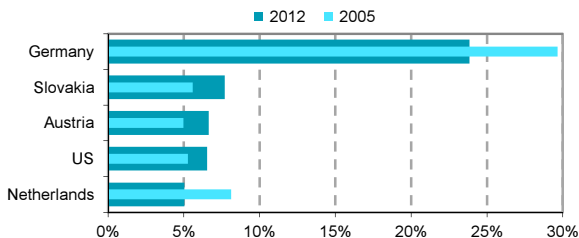


Figure D48 ICT services imports by countries



Source: CZSO, Survey on exports and imports of services

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**Figure D49 ICT services exports
(as percentage of total services exports)**

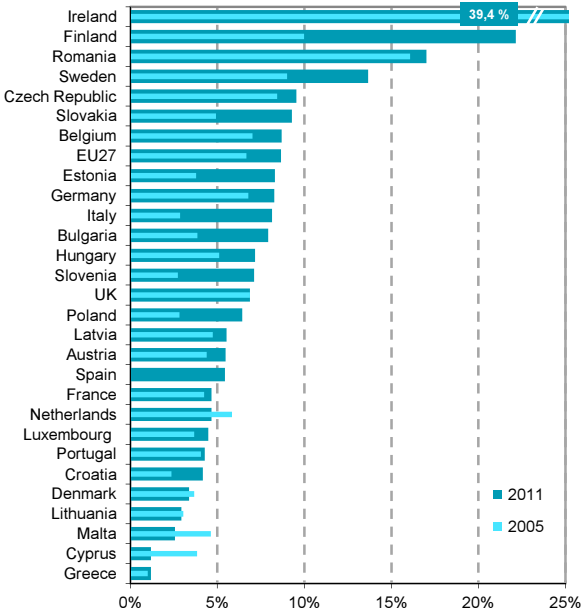
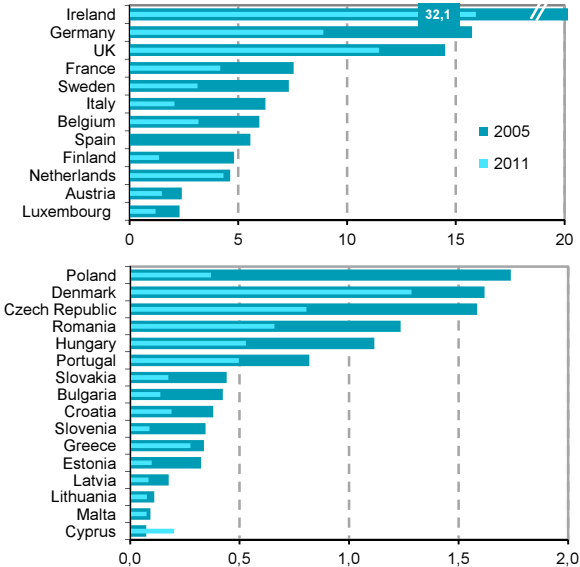


Figure D50 ICT services exports (US\$ billion)



Source: Eurostat

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**Figure D51 ICT services imports
(as percentage of total services imports)**

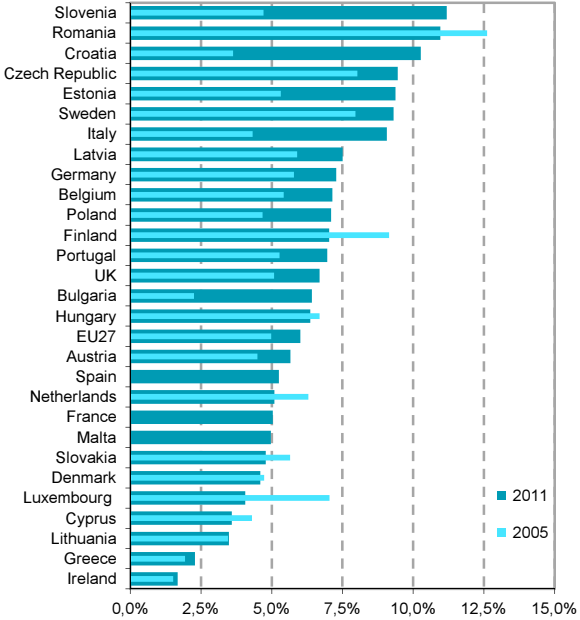
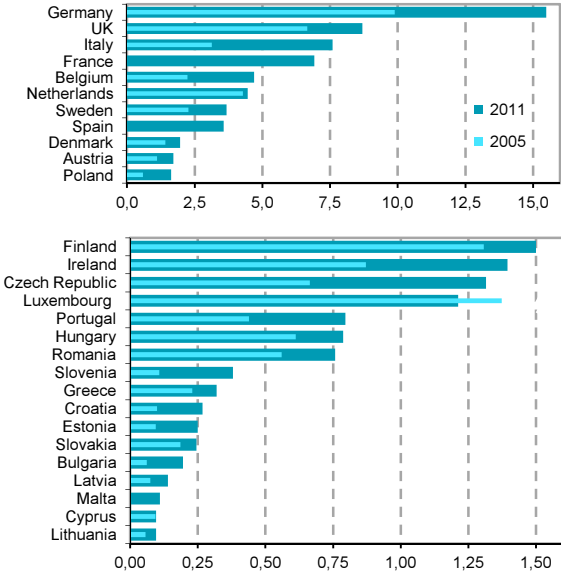


Figure D52 ICT services imports (US\$ billion)



Source: Eurostat

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Table D15 Computer services exports from the Czech Republic

CZK million

	2010	2011	2012
Total	22 351	27 343	33 907
IT design, development, consulting, support and related services		15 202	18 446
Data processing, hosting and relat. serv.		9 835	12 265
Maintenance and repair of computers		2 306	3 196
Ownership of enterprises			
National	2 143	2 721	5 148
Foreign controlled	20 207	24 622	28 759
Size class of enterprises			
Small (0-49 employees)	1 385	2 888	3 526
Medium (50-249 employees)	6 882	5 822	5 352
Large (250+ employees)	14 084	18 633	24 501

Figure D53 Computer services exports

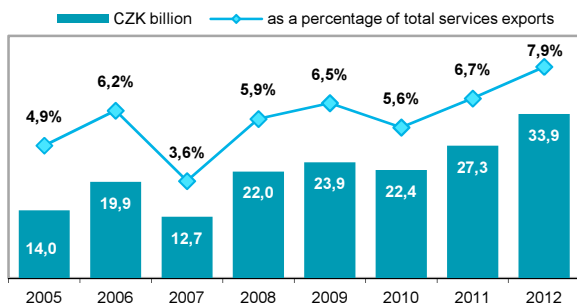


Figure D54 Computer services exports by ownership of exporting enterprises

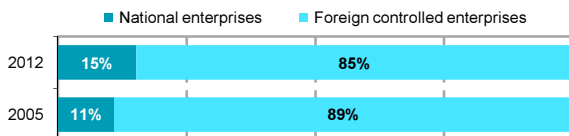
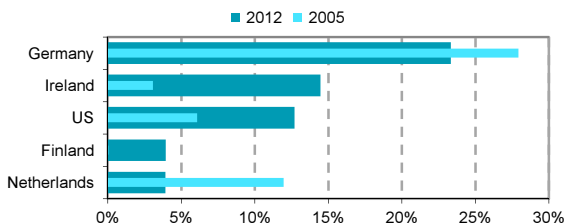


Figure D55 Computer services exports by countries



Source: CZSO, Survey on exports and imports of services

D ICT international trade

Table D16 Computer services imports to the Czech Republic

CZK million

	2010	2011	2012
Total	19 511	19 278	19 902
IT design, development, consulting, support and related services		13 680	12 283
Data processing, hosting and relat. serv.		4 457	6 312
Maintenance and repair of computers		1 140	1 306
Ownership of enterprises			
National	1 797	870	1 744
Foreign controlled	17 714	18 408	18 157
Size class of enterprises			
Small (0-49 employees)	1 423	1 113	1 512
Medium (50-249 employees)	5 195	3 780	3 118
Large (250+ employees)	12 894	14 385	15 271

Figure D56 Computer services imports

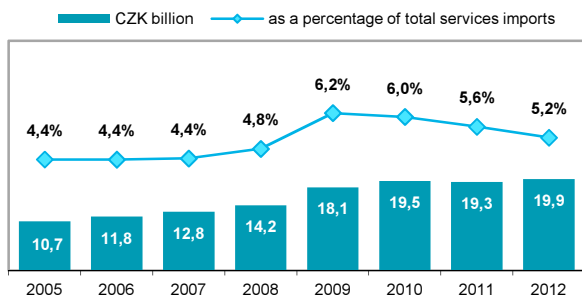


Figure D57 Computer services imports by ownership of importing enterprises

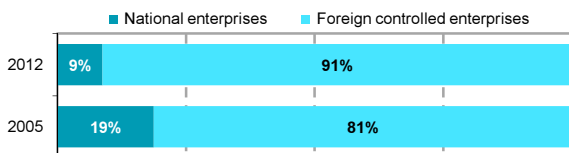
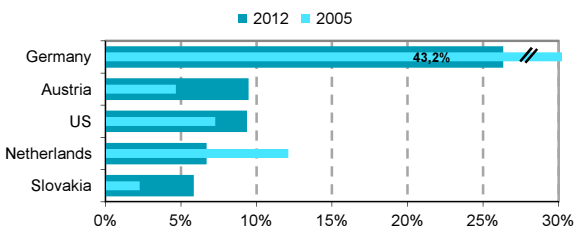


Figure D58 Computer services imports by countries



Source: CZSO, Survey on exports and imports of services

D ICT international trade

**Figure D59 Computer services exports
(as percentage of total services exports)**

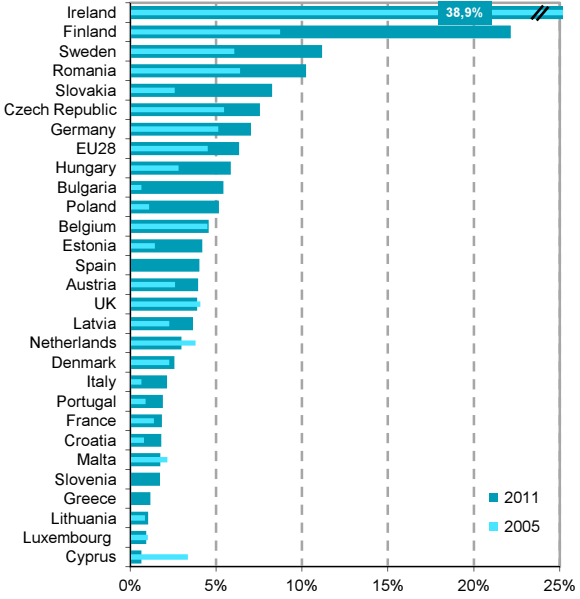
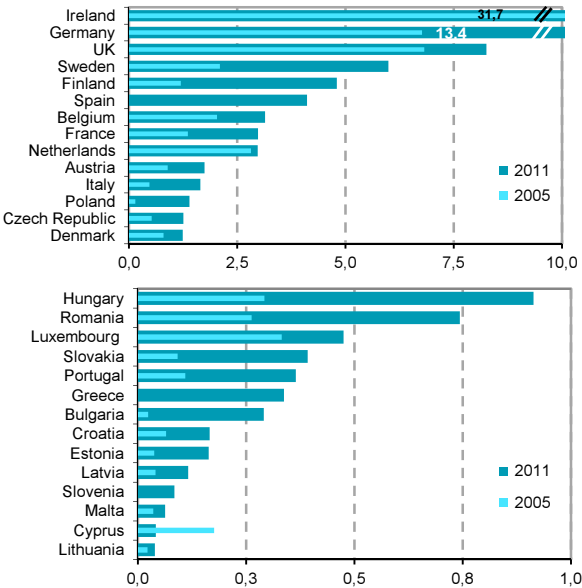


Figure D60 Computer services exports (EUR billion)



Source: Eurostat