

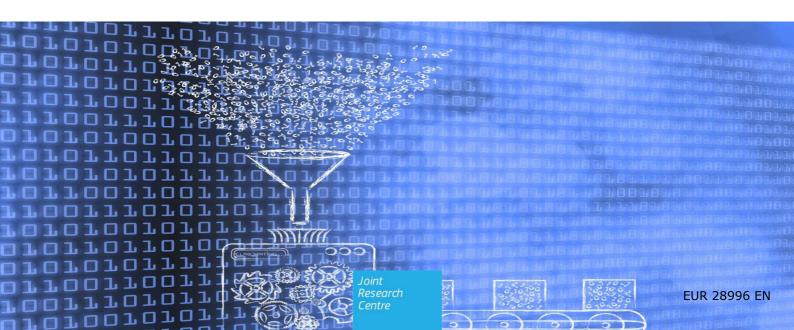
JRC TECHNICAL REPORTS

PREDICT 2017 Country Factsheets:

EU Member States -**Purchasing Power Standard**

> Melisande Cardona, Giuditta de Prato, Montserrat Lopez Cobo, Riccardo Righi, Sofia Samoili

2017



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Foreword

PREDICT: Prospective Insights on R&D in ICT

PREDICT produces statistics and analyses on ICT industries and their R&D in Europe since 2006. The project covers major world competitors including 40 advanced and emerging countries – the EU28 plus Norway, Russia and Switzerland in Europe, Canada, the United States and Brazil in the Americas, China, India, Japan, Korea and Taiwan in Asia, and Australia – as well as a growing array of indicators related to the ICT content of economic activities.

Rationale

ICTs determine competitive power in the knowledge economy. The ICT sector alone originates almost one fourth of total Business expenditure in R&D (BERD) for the aggregate of the 40 economies under scrutiny in the project. It also has a huge enabling role for innovation in other technological domains, let aside the impact of ICT uptake in the organisation of businesses. This is reflected at the EU policy level, where the Digital Agenda for Europe in 2010 was identified as one of the seven pillars of the Europe 2020 Strategy for growth in the Union and the achievement of a <u>Digital Single Market</u> (DSM) is one of the 10 political priorities set by the Commission since 2015.

Statistics and indicators

PREDICT provides indicators in a wide variety of topics, including value added, employment, labour productivity and BERD, distinguishing fine grain economic activities in ICT and media and content industries (up to 22 individual activities, 14 of which at the class level, i.e. at 4 digits in the ISIC classification) and at a higher level of aggregation for all the other industries in the economy. It also produces data on Government financing of R&D in ICTs, and total R&D expenditure at the country level. Now-casting of more relevant data in these domains is also being performed.

Team

PREDICT is a collaboration between the JRC and the European Commission Communications Networks, Content and Technology (CNECT) Directorate General. Since 2013 data collection and analysis has been carried out jointly by JRC and the Valencian Institute of Economic Research (Instituto Valenciano de Investigaciones Económicas - Ivie).

Abstract

The PREDICT 2017 Factsheets present essential statistical data regarding the performance of the EU ICT sector. They provide figures and tables on general economic and industry trends and R&D performance. These Factsheets are the subject of three reports. This report on 'Purchasing Power Standard' and the second report on 'Data in Current Prices' present sets of Factsheets with data on each EU Member State in comparison to the EU average. The third report presents Factsheets on the EU and 12 non-EU countries: Australia, Brazil, Canada, China, India, Japan, Korea, Norway, Russia, Switzerland, Taiwan and the United States.

Reading Notes

The figures to the right of each Factsheet display the information presented in the statistical tables. The top figure gives a snapshot of country performance in ICT productivity and ICT R&D as compared to the EU. The other two figures give the development of the ICT Sector from 2006-2014 by subsector. The middle figure presents number of persons employed. The bottom figure shows the ICT share within total business expenditure R&D. Together these 3 figures allow us to assess very rapidly:

- the ICT sector's profile in each country in Europe (2014) as regards productivity and R&D intensity.
- the evolution of the ICT sector since 2006: i.e. whether the sector as a whole and also its subsectors have emerged or declined in terms of employment and R&D expenditure shares.

The statistical tables provide the full data on which these figures are based. They are divided into two main blocks:

- the first shows **Economic and Industry Trends**: Gross Value Added (GVA), Employment and Productivity.
- the second concentrates on R&D performance showing R&D expenditures in terms
 of both the actual spending and R&D intensity, calculated as the ratio of R&D
 spending to GVA.

Additionally, the horizontal reading of the tables conveys three further items of information:

- The time coverage (2006-2014) allows us to assess the progress of the variables during the pre and post-crisis years.
- The column headed 'Share' or 'Ratio' displays the relative performance of each variable (expressed as a proportion) as compared to the EU for the last available year.
- The double column headed '2014 vs 2006' offers indices comparing the 2014 performance of each variable with its initial level in 2006 (Index: 100) for each Member State and the EU.

Methodological Notes

The Factsheets are based on the latest available official data, made available by EUROSTAT. Data sources and methods are fully described in the metadata of PREDICT 2017.

This report presents Purchasing Power Standard for the EU Member States. The PPS is an artificial currency unit. Theoretically, one PPS can buy the same amount of goods and services in each country. PPS are derived by dividing any economic aggregate of a country in national currency by its respective purchasing power parities. PPS is the technical term used by Eurostat for the common currency in which national accounts aggregates are expressed when adjusted for price level differences. (See EUROSTAT – Glossary: Purchasing Power Standard (PPS)). The equivalent data in current prices are available in the second report referred to above.

The ICT sector is classified in four sub-categories to facilitate the reading: ICT manufacturing (NACE 261-264, 268), telecommunications (NACE 61), computer services (NACE 5820, 62, 631, 951) and ICT wholesale trade (NACE 465). The classification method follows OECD (2007).

EUROPEAN UNION (EU)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	EU2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	EU/EU 2014 ¹	EU2006 ³	EU2006 ³
Total economy	12255	12983	13054	12295	12814	13189	13449	13561	13987	100.0%	114	114
ICT sector	537	571	570	533	546	563	574	584	593	100.0%	110	110
Manufacturing	72	75	68	53	59	56	48	52	52	100.0%	72	72
Telecommunications	201	206	204	195	187	183	179	171	185	100.0%	92	92
Computer Services	222	245	252	243	255	277	296	309	309	100.0%	139	139
Wholesale Trade	41	45	45	43	46	47	51	52	47	100.0%	113	113
ICT sector as a % of Total	4.4%	4.4%	4.4%	4.3%	4.3%	4.3%	4.3%	4.3%	4.2%			

Employment (thous. person employed)

	2006	2007	2000	2000	2010	2011	2012	2012	2014	Share	EU2014vs	EU2014vs
	2000	2007	2008	2009	2010	2011	2012	2013	2014	EU/EU 2014 ¹	EU2006 ³	EU2006 ³
Total economy	224533	228829	231178	227195	225685	225976	225112	224374	226604	100.0%	101	101
ICT sector	5865	6010	6129	5990	5929	6071	6137	6208	6253	100.0%	107	107
Manufacturing	928	946	922	784	743	739	714	675	664	100.0%	72	72
Telecommunications	1222	1254	1237	1188	1126	1108	1100	1084	1134	100.0%	93	93
Computer Services	3132	3221	3346	3446	3492	3644	3752	3880	3888	100.0%	124	124
Wholesale Trade	582	589	625	572	568	580	571	569	567	100.0%	97	97
ICT sector as a % of Total	2.6%	2.6%	2.7%	2.6%	2.6%	2.7%	2.7%	2.8%	2.8%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	EU2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	EU/EU 2014 ²	EU2006 ³	EU2006 ³
Total economy	55	57	56	54	57	58	60	60	62	(1.00)	113	113
ICT sector	92	95	93	89	92	93	93	94	95	(1.00)	104	104
Manufacturing	78	80	74	67	79	76	68	76	79	(1.00)	101	101
Telecommunications	165	164	165	164	166	165	162	158	163	(1.00)	99	99
Computer Services	71	76	75	70	73	76	79	80	79	(1.00)	112	112
Wholesale Trade	71	77	73	75	81	80	89	92	82	(1.00)	116	116

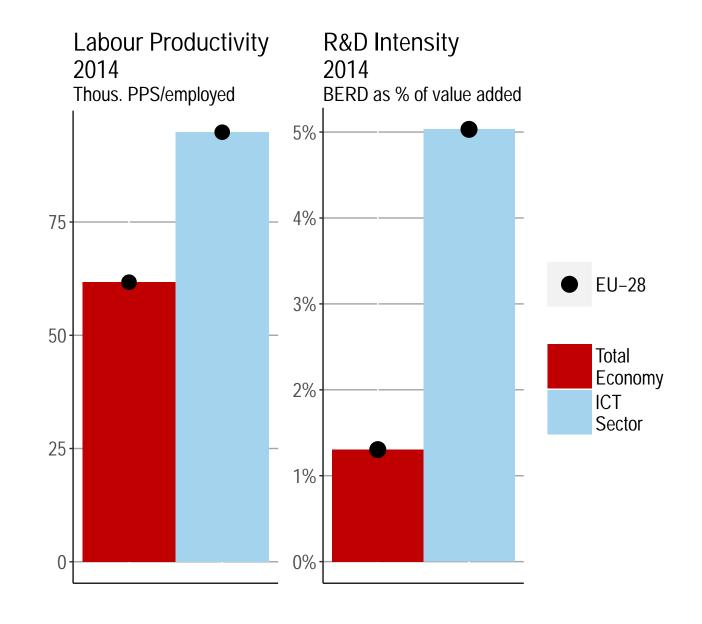
R&D performance

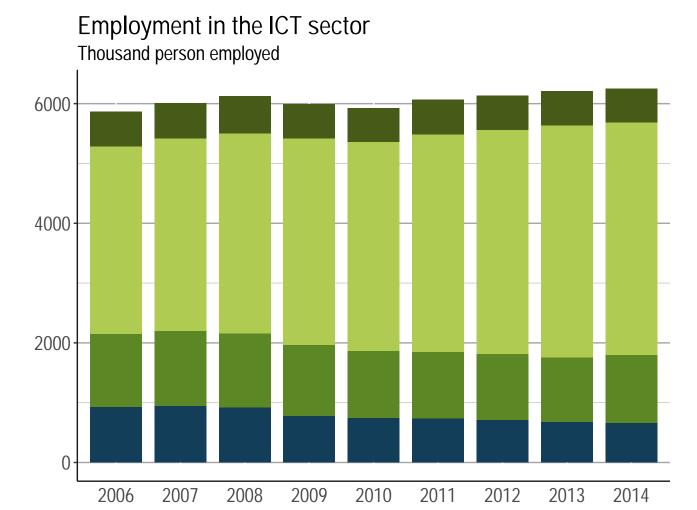
Business expenditure in R&D (BERD – PPS mln)

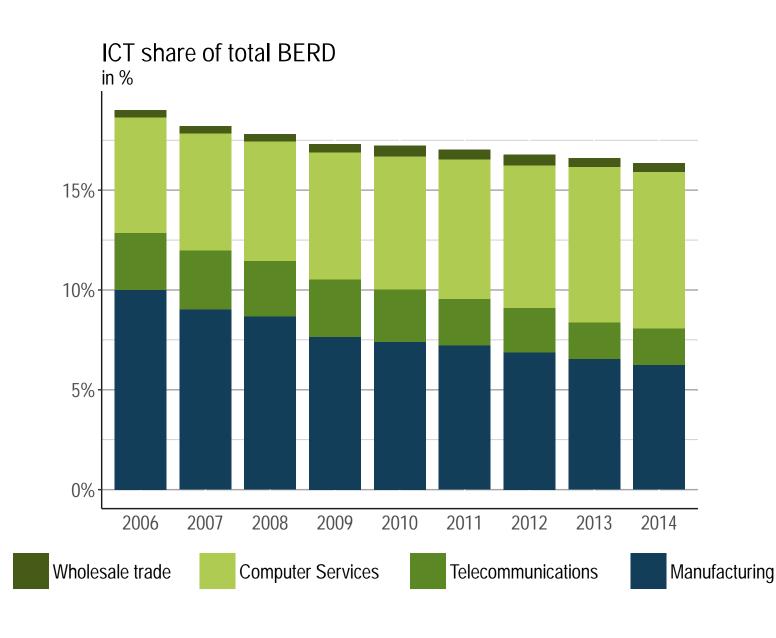
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	EU2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	EU/EU 2014 ¹	EU2006 ³	EU2006 ³
Total economy	137165	146043	151703	146642	152764	164175	171736	174242	182452	100.0%	133	133
ICT sector	26078	26600	27000	25391	26299	27955	28810	28920	29839	100.0%	114	114
Manufacturing	13743	13194	13173	11211	11300	11863	11830	11428	11407	100.0%	83	83
Telecommunications	3888	4298	4188	4207	4044	3819	3791	3197	3336	100.0%	86	86
Computer Services	7943	8571	9103	9356	10142	11470	12279	13533	14315	100.0%	180	180
Wholesale Trade	504	537	536	617	813	803	910	763	780	100.0%	155	155
ICT sector as a % of Total	19.0%	18.2%	17.8%	17.3%	17.2%	17.0%	16.8%	16.6%	16.4%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio EU/EU 2014 ²	EU2014vs EU2006 ³	EU2014vs EU2006 ³
Total economy	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	(1.00)	117	117
ICT sector	4.9	4.7	4.7	4.8	4.8	5.0	5.0	5.0	5.0	(1.00)	104	104
Manufacturing	19.0	17.5	19.4	21.2	19.2	21.2	24.5	22.2	21.8	(1.00)	115	115
Telecommunications	1.9	2.1	2.0	2.2	2.2	2.1	2.1	1.9	1.8	(1.00)	93	93
Computer Services	3.6	3.5	3.6	3.9	4.0	4.1	4.2	4.4	4.6	(1.00)	130	130
Wholesale Trade	1.2	1.2	1.2	1.4	1.8	1.7	1.8	1.5	1.7	(1.00)	137	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

AUSTRIA (AT)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share AT/EU 2014 ¹	AT2014vs AT2006 ³	EU2014vs EU2006 ³
Total economy	253	264	268	255	267	279	292	296	304	2.2%	120	114
ICT sector	10	9	9	8	8	9	9	9	10	1.7%	98	110
Manufacturing	3	2	2	1	1	2	2	2	2	3.0%	54	72
Telecommunications	3	3	3	3	3	2	2	2	2	1.3%	79	92
Computer Services	3	3	3	3	4	4	5	5	5	1.7%	160	139
Wholesale Trade	1	1	1	1	1	1	1	1	1	1.7%	75	113
ICT sector as a % of Total	4.1%	3.4%	3.2%	3.2%	3.1%	3.3%	3.2%	3.2%	3.3%			

Employment (thous. person employed)

	2006	2007	2008	2000	2010	2011	2012	2013	2014	Share	AT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	AT/EU 2014 ¹	AT2006 ³	EU2006 ³
Total economy	3941	4014	4090	4073	4102	4166	4210	4224	4263	1.9%	108	101
ICT sector	106	98	98	98	96	99	102	103	106	1.7%	101	107
Manufacturing	26	17	17	17	13	12	13	13	13	2.0%	50	72
Telecommunications	20	20	20	18	18	18	17	17	16	1.4%	80	93
Computer Services	50	51	53	54	56	61	63	65	69	1.8%	138	124
Wholesale Trade	10	10	9	9	9	9	9	9	9	1.6%	86	97
ICT sector as a % of Total	2.7%	2.4%	2.4%	2.4%	2.3%	2.4%	2.4%	2.5%	2.5%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	AT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	AT/EU 2014 ²	AT2006 ³	EU2006 ³
Total economy	64	66	65	63	65	67	69	70	71	(1.16)	111	113
ICT sector	98	93	88	83	86	91	91	92	95	(1.00)	97	104
Manufacturing	112	101	88	82	106	125	120	124	120	(1.53)	107	101
Telecommunications	153	149	146	144	145	138	137	133	150	(0.92)	98	99
Computer Services	67	65	66	63	63	69	71	75	77	(0.97)	116	112
Wholesale Trade	102	106	86	80	91	98	98	89	89	(1.08)	87	116

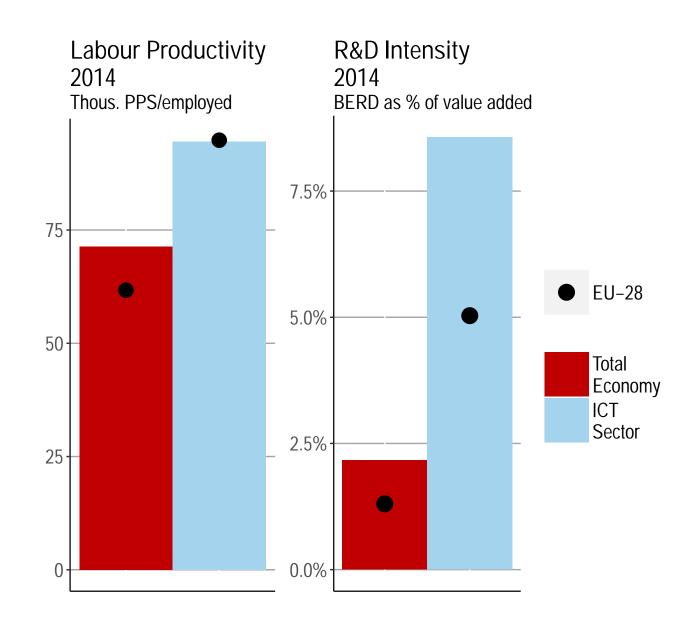
R&D performance

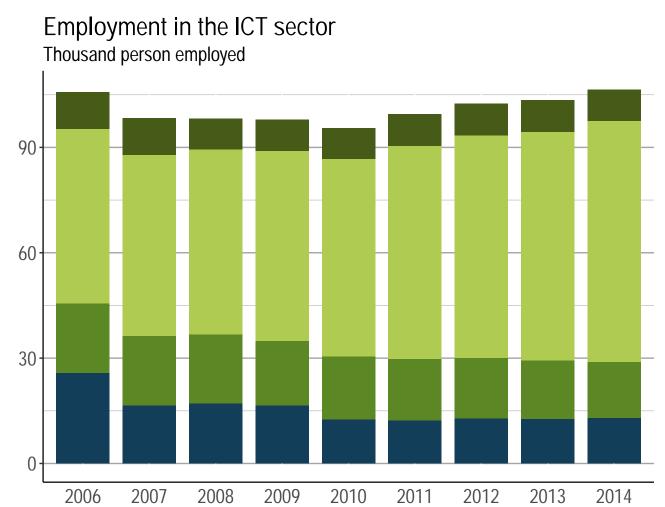
Business expenditure in R&D (BERD – PPS mln)

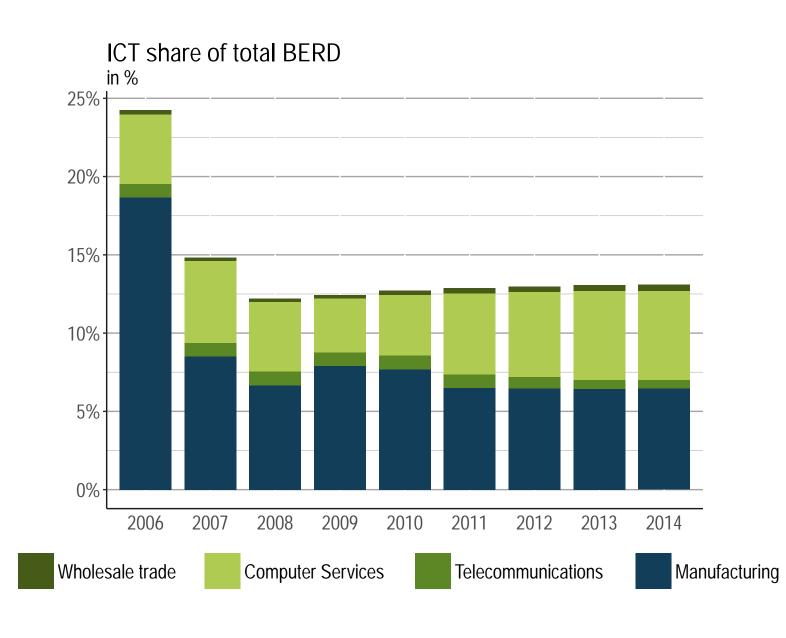
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	AT2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	AT/EU 2014 ¹	AT2006 ³	EU2006 ³
Total economy	4227	4533	4795	4537	5006	5140	6032	6229	6586	3.6%	156	133
ICT sector	1025	671	584	565	636	661	782	814	862	2.9%	84	114
Manufacturing	789	385	319	358	384	334	390	401	425	3.7%	54	83
Telecommunications	37	41	43	40	44	45	44	35	37	1.1%	100	86
Computer Services	188	236	213	157	195	265	328	355	374	2.6%	199	180
Wholesale Trade	11	10	9	10	13	17	21	23	26	3.3%	235	155
ICT sector as a % of Total	24.3%	14.8%	12.2%	12.4%	12.7%	12.9%	13.0%	13.1%	13.1%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio AT/EU 2014 ²	AT2014vs AT2006 ³	EU2014vs EU2006 ³
Total economy	1.7	1.7	1.8	1.8	1.9	1.8	2.1	2.1	2.2	(1.66)	130	117
ICT sector	9.9	7.4	6.8	7.0	7.7	7.3	8.4	8.6	8.6	(1.70)	86	104
Manufacturing	27.2	23.1	21.1	26.2	29.1	21.9	25.0	25.3	27.2	(1.25)	100	115
Telecommunications	1.2	1.4	1.5	1.5	1.7	1.9	1.9	1.6	1.6	(0.86)	126	93
Computer Services	5.7	7.0	6.1	4.6	5.5	6.3	7.3	7.3	7.0	(1.52)	124	130
Wholesale Trade	1.0	0.9	1.2	1.3	1.6	1.9	2.4	2.8	3.2	(1.94)	315	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

BELGIUM (BE)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BE/EU 2014 ¹	BE2014vs BE2006 ³	EU2014vs EU2006 ³
Total economy	301	315	317	306	329	342	353	355	363	2.6%	120	114
ICT sector	12	12	12	11	13	13	13	13	13	2.2%	111	110
Manufacturing	1	1	1	1	1	1	1	1	1	1.5%	54	72
Telecommunications	5	5	5	5	5	5	5	5	5	2.5%	91	92
Computer Services	4	4	5	5	5	5	6	6	6	2.0%	162	139
Wholesale Trade	1	2	2	1	2	1	1	1	1	2.8%	97	113
ICT sector as a % of Total	3.9%	4.0%	3.8%	3.7%	3.8%	3.7%	3.7%	3.6%	3.6%			

Employment (thous. person employed)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	BE2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	BE/EU 2014 ¹	BE2006 ³	EU2006 ³
Total economy	4303	4374	4453	4446	4474	4535	4552	4534	4549	2.0%	106	101
ICT sector	101	106	108	108	107	106	105	105	105	1.7%	104	107
Manufacturing	13	14	13	9	8	8	7	7	7	1.1%	52	72
Telecommunications	28	28	28	28	28	28	28	27	27	2.4%	96	93
Computer Services	45	49	52	58	57	58	58	59	60	1.6%	133	124
Wholesale Trade	14	15	15	13	14	12	12	12	11	1.9%	78	97
ICT sector as a % of Total	2.4%	2.4%	2.4%	2.4%	2.4%	2.3%	2.3%	2.3%	2.3%			

Productivity of labour (thous. PPS / person employed)

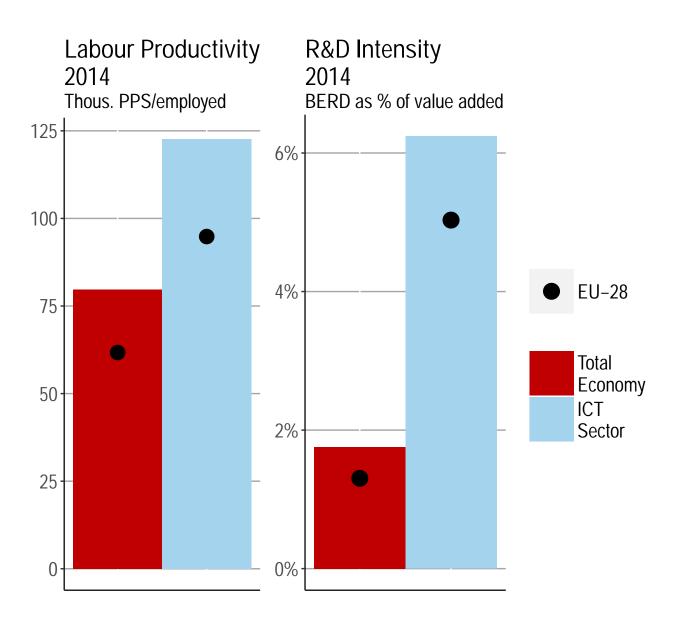
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	BE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	BE/EU 2014 ²	BE2006 ³	EU2006 ³
Total economy	70	72	71	69	74	75	78	78	80	(1.29)	114	113
ICT sector	115	118	112	106	118	118	123	120	123	(1.29)	106	104
Manufacturing	107	108	99	80	96	92	98	99	110	(1.39)	103	101
Telecommunications	179	178	167	175	181	173	180	169	169	(1.04)	94	99
Computer Services	85	90	89	82	89	95	102	99	104	(1.31)	122	112
Wholesale Trade	95	107	102	81	118	116	104	120	118	(1.43)	125	116

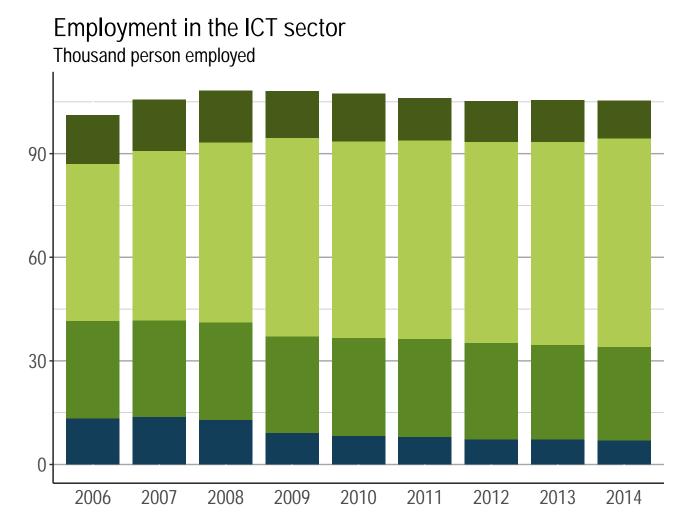
R&D performance

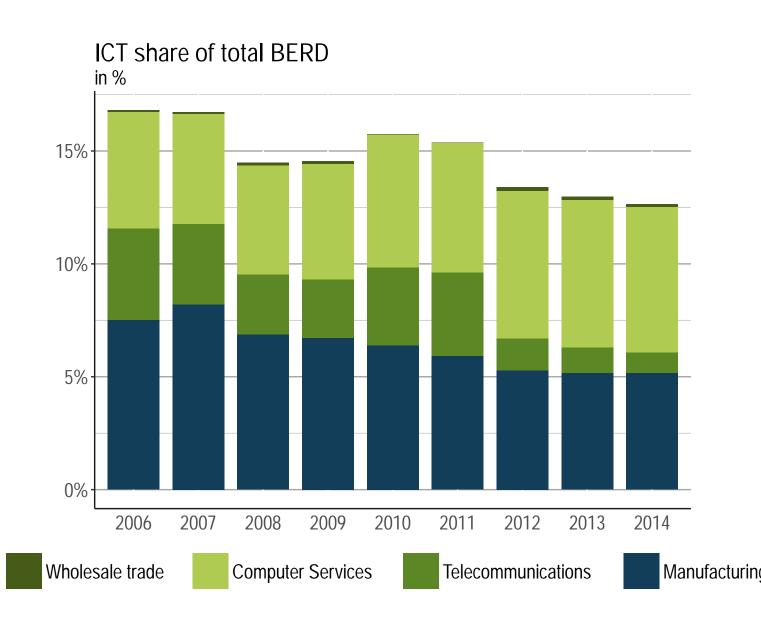
Business expenditure in R&D (BERD – PPS mln)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	BE2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	BE/EU 2014 ¹	BE2006 ³	EU2006 ³
Total economy	3784	4044	4158	4009	4533	5057	5915	6104	6372	3.5%	168	133
ICT sector	636	676	602	584	714	777	793	792	807	2.7%	127	114
Manufacturing	285	332	286	269	290	300	312	316	330	2.9%	116	83
Telecommunications	153	145	110	105	156	187	84	69	57	1.7%	37	86
Computer Services	196	197	202	205	268	290	387	399	412	2.9%	210	180
Wholesale Trade	3	3	5	5	0	0	9	9	8	1.1%	330	155
ICT sector as a % of Total	16.8%	16.7%	14.5%	14.6%	15.8%	15.4%	13.4%	13.0%	12.7%			

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	BE2014vs	EU2014vs
										BE/EU 2014 ²	BE2006 ³	EU2006 ³
Total economy	1.3	1.3	1.3	1.3	1.4	1.5	1.7	1.7	1.8	(1.35)	140	117
ICT sector	5.5	5.4	5.0	5.1	5.7	6.2	6.1	6.3	6.2	(1.24)	115	104
Manufacturing	19.8	22.1	22.5	36.7	36.8	40.8	43.8	44.0	42.9	(1.97)	216	115
Telecommunications	3.0	2.9	2.3	2.1	3.0	3.8	1.7	1.5	1.2	(0.68)	41	93
Computer Services	5.1	4.5	4.3	4.4	5.3	5.3	6.5	6.8	6.6	(1.42)	130	130
Wholesale Trade	0.2	0.2	0.3	0.4	0.0	0.0	0.8	0.6	0.6	(0.39)	340	137







Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

BULGARIA (BG)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BG/EU 2014 ¹	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	71	81	87	83	86	87	89	89	93	0.7%	130	114
ICT sector	2	2	4	4	4	4	4	4	4	0.7%	202	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.4%	132	72
Telecommunications	1	1	3	2	2	2	2	2	2	1.0%	149	92
Computer Services	0	1	1	1	1	2	2	2	2	0.6%	447	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.5%	79	113
ICT sector as a % of Total	3.0%	3.0%	4.7%	4.8%	4.7%	4.6%	4.4%	4.8%	4.7%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BG/EU 2014 ¹	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	3612	3727	3815	3749	3604	3525	3436	3422	3434	1.5%	95	101
ICT sector	55	58	57	59	71	72	73	74	75	1.2%	137	107
Manufacturing	8	8	9	7	7	7	7	7	7	1.1%	97	72
Telecommunications	26	26	26	27	24	25	25	24	23	2.1%	90	93
Computer Services	15	16	15	18	33	35	36	38	40	1.0%	273	124
Wholesale Trade	7	8	7	8	7	5	5	5	5	0.9%	71	97
ICT sector as a % of Total	1.5%	1.6%	1.5%	1.6%	2.0%	2.1%	2.1%	2.2%	2.2%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	BG2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	BG/EU 2014 ²	BG2006 ³	EU2006 ³
Total economy	20	22	23	22	24	25	26	26	27	(0.44)	136	113
ICT sector	39	42	72	67	57	55	53	57	57	(0.60)	147	104
Manufacturing	18	21	15	15	19	17	21	19	25	(0.32)	137	101
Telecommunications	50	54	107	89	95	85	75	79	83	(0.51)	166	99
Computer Services	31	37	66	69	45	45	47	52	50	(0.63)	164	112
Wholesale Trade	38	36	37	31	22	31	37	48	43	(0.52)	112	116

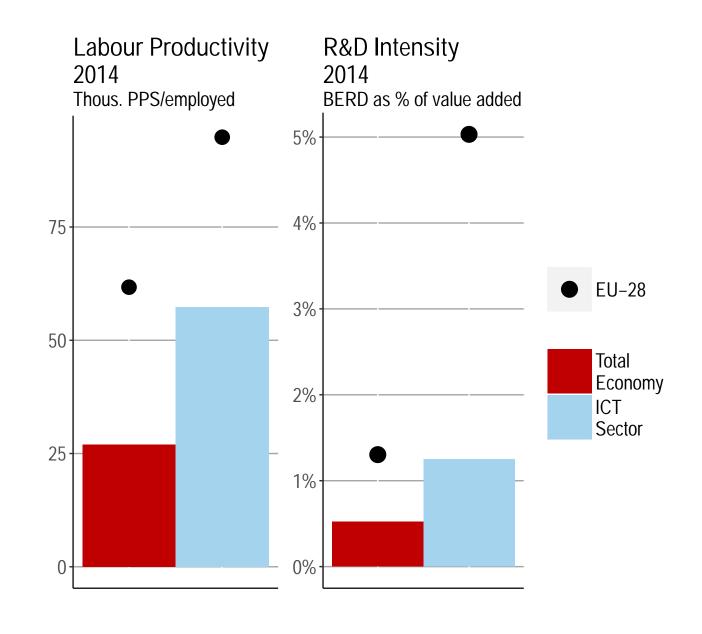
R&D performance

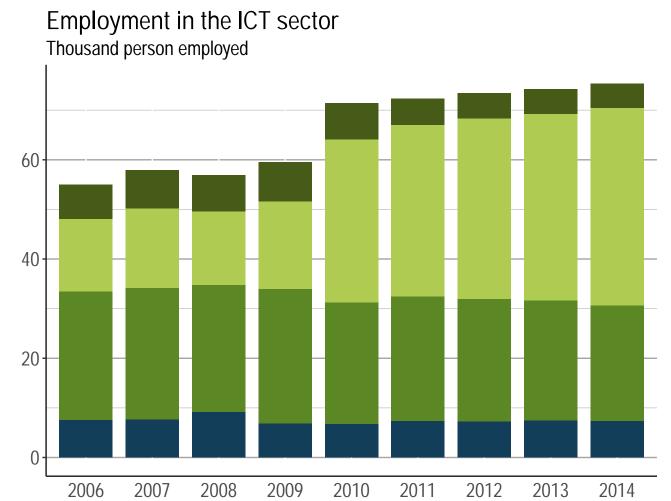
Business expenditure in R&D (BERD – PPS mln)

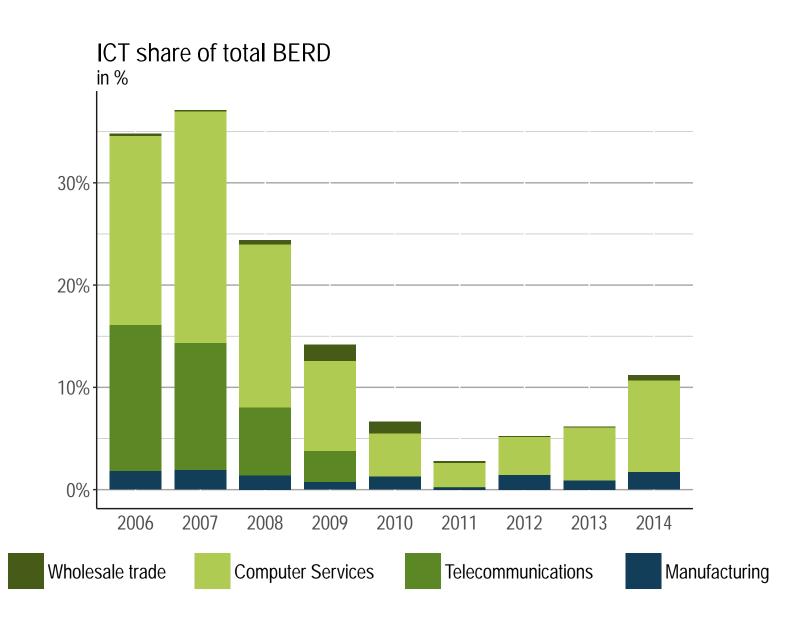
	2006	2007	2000	2000	2010	2011	2012	2012	2014	Share	BG2014vs	EU2014vs
	2000	2007	2008	2009	2010	2011	2012	2013	2014	BG/EU 2014 ¹	BG2006 ³	EU2006 ³
Total economy	81	108	121	124	245	247	328	345	483	0.3%	597	133
ICT sector	28	40	29	18	16	7	17	21	54	0.2%	192	114
Manufacturing	1	2	2	1	3	1	5	3	8	0.1%	565	83
Telecommunications	12	13	8	4	0	0	0	0	0	0.0%	0	86
Computer Services	15	25	19	11	10	6	12	18	43	0.3%	288	180
Wholesale Trade	0	0	0	2	3	0	0	0	2	0.3%	1360	155
ICT sector as a % of Total	34.8%	37.1%	24.4%	14.2%	6.7%	2.8%	5.2%	6.2%	11.2%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio BG/EU 2014 ²	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.4	0.5	(0.40)	460	117
ICT sector	1.3	1.6	0.7	0.4	0.4	0.2	0.4	0.5	1.2	(0.25)	95	104
Manufacturing	1.1	1.3	1.2	1.0	2.5	0.5	3.1	2.1	4.6	(0.21)	426	115
Telecommunications	0.9	0.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	(0.00)	0	93
Computer Services	3.3	4.1	2.0	0.9	0.7	0.4	0.7	0.9	2.2	(0.46)	65	130
Wholesale Trade	0.1	0.1	0.2	0.8	1.7	0.2	0.1	0.1	1.2	(0.71)	1713	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

CROATIA (HR)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share HR/EU 2014 ¹	HR2014vs HR2006 ³	EU2014vs EU2006 ³
Total economy	61	68	71	65	64	66	68	67	68	0.5%	111	114
ICT sector	2	3	3	3	3	3	3	2	3	0.4%	102	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.4%	66	72
Telecommunications	2	2	2	2	2	2	2	1	1	0.7%	88	92
Computer Services	0	0	1	1	1	1	1	1	1	0.2%	177	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.4%	117	113
ICT sector as a % of Total	4.0%	3.9%	4.1%	4.2%	4.1%	3.8%	3.7%	3.7%	3.7%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	HR2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	HR/EU 2014 ¹	HR2006 ³	EU2006 ³
Total economy	1564	1715	1780	1767	1700	1634	1576	1533	1575	0.7%	101	101
ICT sector	25	28	28	28	30	30	26	29	33	0.5%	132	107
Manufacturing	6	6	7	3	2	2	2	2	2	0.3%	39	72
Telecommunications	10	12	11	12	11	10	7	7	10	0.9%	94	93
Computer Services	7	8	8	12	15	16	16	18	19	0.5%	275	124
Wholesale Trade	2	2	2	2	2	1	1	1	2	0.3%	103	97
ICT sector as a % of Total	1.6%	1.7%	1.6%	1.6%	1.7%	1.8%	1.7%	1.9%	2.1%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	HR2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	HR/EU 2014 ²	HR2006 ³	EU2006 ³
Total economy	39	40	40	37	38	41	43	44	43	(0.70)	110	113
ICT sector	98	93	103	96	88	85	96	85	76	(0.80)	78	104
Manufacturing	55	61	57	119	124	109	92	92	94	(1.19)	169	101
Telecommunications	147	133	158	144	146	152	225	186	137	(0.84)	93	99
Computer Services	62	60	70	45	38	39	44	42	40	(0.50)	64	112
Wholesale Trade	89	90	88	76	89	93	88	114	101	(1.22)	114	116

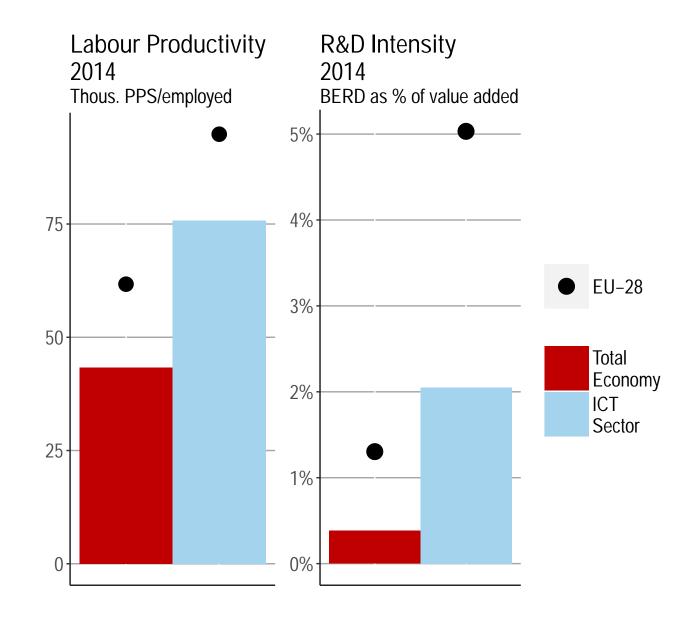
R&D performance

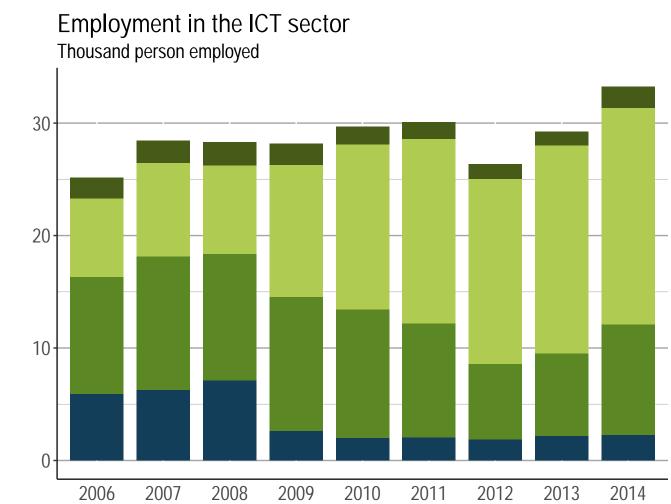
Business expenditure in R&D (BERD – PPS mln)

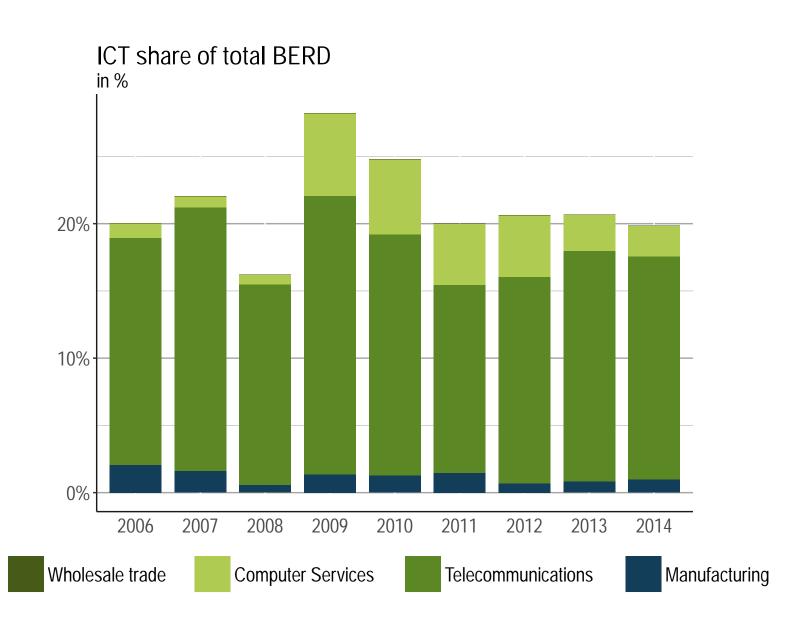
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	HR2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	HR/EU 2014 ¹	HR2006 ³	EU2006 ³
Total economy	167	219	278	220	210	223	234	275	260	0.1%	156	133
ICT sector	33	48	45	62	52	45	48	57	52	0.2%	154	114
Manufacturing	3	4	2	3	3	3	2	2	2	0.0%	73	83
Telecommunications	28	43	41	46	38	31	36	47	43	1.3%	154	86
Computer Services	2	2	2	14	12	10	11	7	6	0.0%	321	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	_	155
ICT sector as a % of Total	20.0%	22.0%	16.2%	28.2%	24.8%	20.0%	20.6%	20.7%	19.9%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio HR/EU 2014 ²	HR2014vs HR2006 ³	EU2014vs EU2006 ³
Total economy	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	(0.29)	140	117
ICT sector	1.4	1.8	1.5	2.3	2.0	1.8	1.9	2.3	2.0	(0.41)	151	104
Manufacturing	1.1	0.9	0.4	1.0	1.1	1.4	1.0	1.1	1.2	(0.05)	111	115
Telecommunications	1.8	2.7	2.3	2.7	2.3	2.0	2.4	3.5	3.2	(1.78)	175	93
Computer Services	0.4	0.4	0.4	2.6	2.1	1.6	1.5	0.9	0.8	(0.17)	181	130
Wholesale Trade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0.00)	-	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

CYPRUS (CY)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CY/EU 2014 ¹	CY2014vs CY2006 ³	EU2014vs EU2006 ³
Total economy	18	20	22	21	22	21	21	19	19	0.1%	105	114
ICT sector	0	1	1	1	1	1	1	1	1	0.1%	159	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	178	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.2%	112	92
Computer Services	0	0	0	0	0	0	0	0	0	0.1%	322	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.1%	74	113
ICT sector as a % of Total	2.6%	2.7%	2.6%	2.6%	2.8%	2.8%	2.9%	3.5%	4.0%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CY/EU 2014 ¹	CY2014vs CY2006 ³	EU2014vs EU2006 ³
Total economy	373	390	404	404	406	406	393	369	362	0.2%	97	101
ICT sector	6	7	7	7	7	8	8	8	8	0.1%	126	107
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	_	72
Telecommunications	3	3	3	3	3	4	4	4	4	0.3%	115	93
Computer Services	2	3	3	2	3	3	3	3	3	0.1%	151	124
Wholesale Trade	1	1	1	1	1	1	1	1	1	0.1%	94	97
ICT sector as a % of Total	1.7%	1.8%	1.7%	1.7%	1.8%	1.9%	2.0%	2.0%	2.2%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	CY2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	CY/EU 2014 ²	CY2006 ³	EU2006 ³
Total economy	49	51	54	52	54	53	53	53	53	(0.86)	108	113
ICT sector	77	77	81	79	81	79	78	91	97	(1.03)	126	104
Manufacturing	_	90	100	75	34	14	21	218	362	(4.59)	_	101
Telecommunications	104	110	113	113	122	106	97	99	102	(0.62)	98	99
Computer Services	48	48	53	48	52	64	69	94	104	(1.30)	214	112
Wholesale Trade	44	42	43	42	34	36	42	37	35	(0.42)	80	116

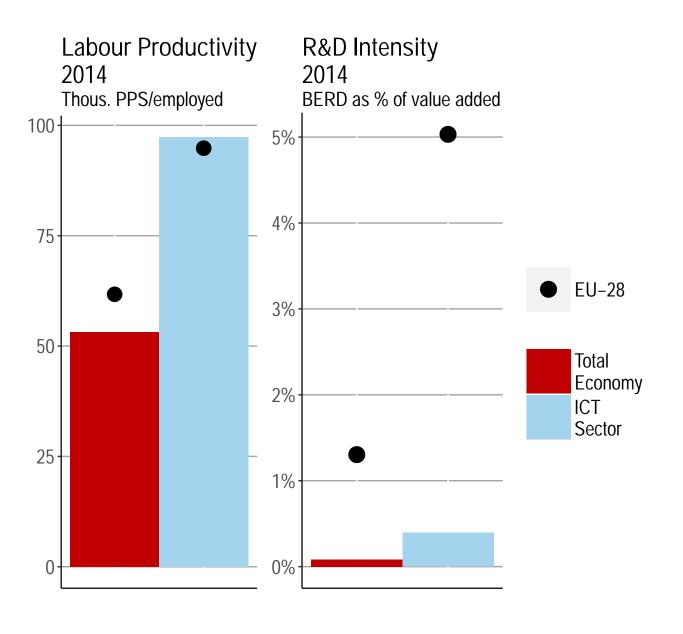
R&D performance

Business expenditure in R&D (BERD – PPS mln)

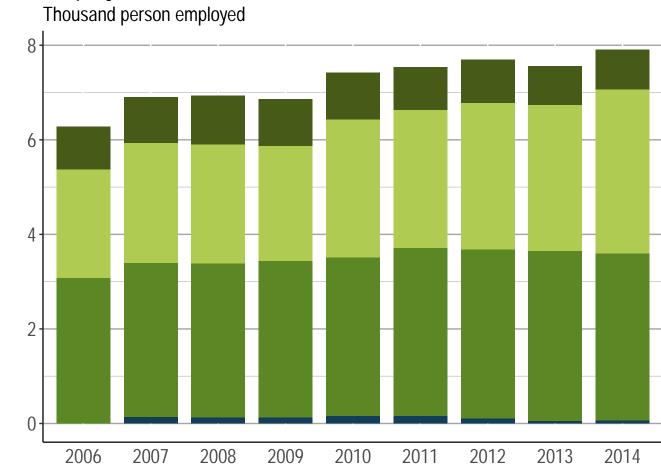
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	CY2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	CY/EU 2014 ¹	CY2006 ³	EU2006 ³
Total economy	16	18	19	18	17	14	13	14	16	0.0%	100	133
ICT sector	6	7	8	8	7	5	2	2	3	0.0%	49	114
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	0	83
Telecommunications	0	0	0	0	1	1	0	0	1	0.0%	544	86
Computer Services	6	7	8	8	6	5	2	2	2	0.0%	41	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	_	155
ICT sector as a % of Total	38.7%	37.6%	41.4%	44.8%	39.0%	36.7%	19.4%	15.2%	18.9%			

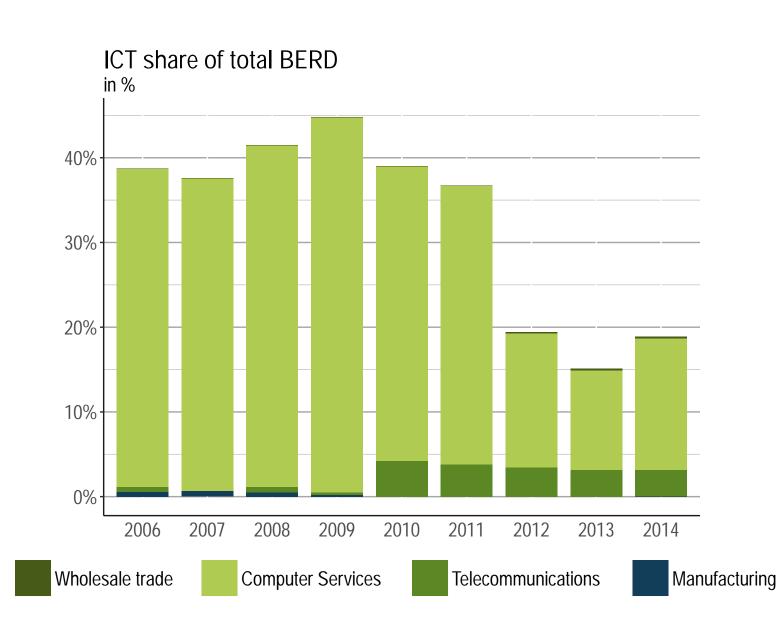
R&D Intensity (BERD as a % of value added)

	3											
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	CY2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	CY/EU 2014 ²	CY2006 ³	EU2006 ³
Total economy	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	(0.06)	95	117
ICT sector	1.3	1.3	1.4	1.5	1.1	0.8	0.4	0.3	0.4	(0.08)	31	104
Manufacturing	0.7	1.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	(0.00)	0	115
Telecommunications	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	(80.0)	485	93
Computer Services	5.4	5.6	5.7	7.1	3.8	2.4	1.0	0.6	0.7	(0.15)	13	130
Wholesale Trade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	(0.07)	_	137



Employment in the ICT sector





Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

CZECH REPUBLIC (CZ)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CZ/EU 2014 ¹	CZ2014vs CZ2006 ³	EU2014vs EU2006 ³
Total economy	203	223	220	212	216	227	229	234	247	1.8%	122	114
ICT sector	10	12	11	11	11	11	11	11	12	2.1%	120	110
Manufacturing	2	2	2	2	2	2	2	1	2	3.1%	88	72
Telecommunications	4	5	4	4	4	4	3	3	3	1.7%	74	92
Computer Services	3	4	4	5	5	5	6	6	7	2.2%	195	139
Wholesale Trade	1	1	1	0	1	1	1	1	1	1.5%	135	113
ICT sector as a % of Total	5.0%	5 2%	5 1%	5 2%	5 1%	5.0%	4 9%	4 8%	4 9%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CZ/EU 2014 ¹	CZ2014vs CZ2006 ³	EU2014vs EU2006 ³
Total economy	4989	5093	5204	5110	5057	5043	5065	5081	5109	2.3%	102	101
ICT sector	133	146	159	158	151	147	148	149	153	2.4%	115	107
Manufacturing	36	41	43	37	31	31	29	26	25	3.7%	69	72
Telecommunications	24	23	23	23	21	21	20	20	20	1.7%	80	93
Computer Services	63	70	81	88	88	84	88	91	96	2.5%	154	124
Wholesale Trade	10	11	12	10	11	11	11	12	12	2.2%	126	97
ICT sector as a % of Total	2.7%	2.9%	3.0%	3.1%	3.0%	2.9%	2.9%	2.9%	3.0%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	CZ2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	CZ/EU 2014 ²	CZ2006 ³	EU2006 ³
Total economy	41	44	42	42	43	45	45	46	48	(0.78)	119	113
ICT sector	76	79	71	70	73	78	76	76	80	(0.84)	104	104
Manufacturing	51	51	44	45	60	57	53	52	65	(0.83)	128	101
Telecommunications	180	204	190	181	188	181	175	166	165	(1.01)	91	99
Computer Services	54	59	55	53	53	63	64	66	69	(0.87)	127	112
Wholesale Trade	53	49	52	48	47	53	57	59	56	(0.68)	107	116

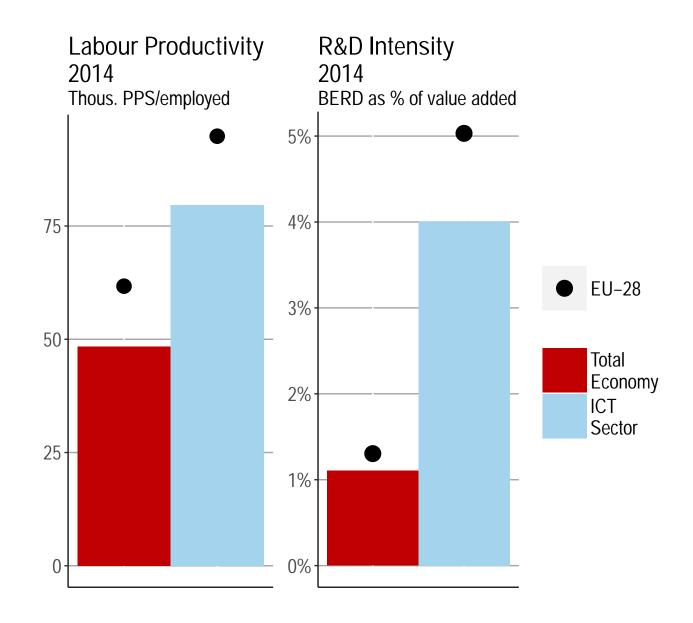
R&D performance

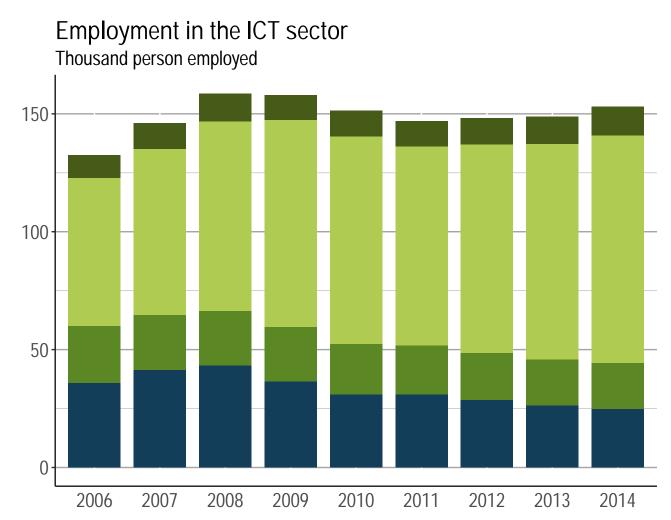
Business expenditure in R&D (BERD – PPS mln)

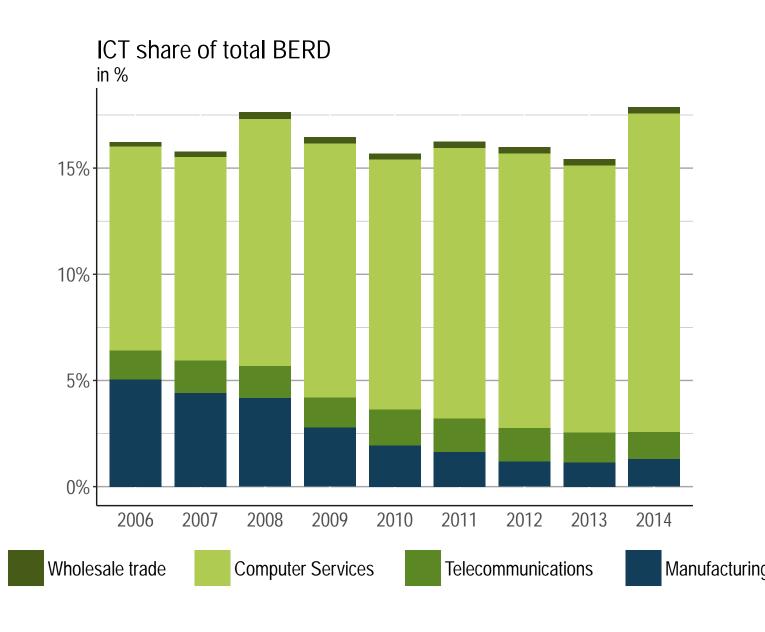
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	CZ2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	CZ/EU 2014 ¹	CZ2006 ³	EU2006 ³
Total economy	1498	1708	1602	1555	1672	1955	2192	2409	2730	1.5%	182	133
ICT sector	243	269	283	256	262	318	350	372	488	1.6%	201	114
Manufacturing	76	75	67	43	32	32	26	27	36	0.3%	47	83
Telecommunications	21	26	24	22	28	31	34	34	35	1.0%	168	86
Computer Services	144	164	187	186	197	249	283	303	410	2.9%	285	180
Wholesale Trade	3	4	5	5	4	6	7	7	8	1.0%	270	155
ICT sector as a % of Total	16.2%	15.8%	17.7%	16.5%	15.7%	16.3%	16.0%	15.4%	17.9%			

R&D Intensity (BERD as a % of value added)

	J ,		•									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	CZ2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	CZ/EU 2014 ²	CZ2006 ³	EU2006 ³
Total economy	0.7	0.8	0.7	0.7	0.8	0.9	1.0	1.0	1.1	(0.85)	150	117
ICT sector	2.4	2.3	2.5	2.3	2.4	2.8	3.1	3.3	4.0	(0.80)	167	104
Manufacturing	4.1	3.5	3.5	2.6	1.7	1.8	1.7	2.0	2.2	(0.10)	54	115
Telecommunications	0.5	0.6	0.5	0.5	0.7	0.8	1.0	1.0	1.1	(0.60)	228	93
Computer Services	4.2	3.9	4.2	4.0	4.2	4.7	5.0	5.1	6.2	(1.33)	146	130
Wholesale Trade	0.6	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.2	(0.70)	200	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

DENMARK (DK)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DK/EU 2014 ¹	DK2014vs DK2006 ³	EU2014vs EU2006 ³
Total economy	164	171	175	165	177	182	187	189	193	1.4%	117	114
ICT sector	6	6	7	7	7	7	7	7	7	1.2%	120	110
Manufacturing	0	1	1	0	0	0	0	0	0	0.7%	78	72
Telecommunications	2	2	2	2	2	2	2	2	2	1.0%	90	92
Computer Services	2	3	3	3	4	4	4	4	4	1.2%	154	139
Wholesale Trade	1	1	1	1	1	1	1	1	1	2.7%	119	113
ICT sector as a % of Total	3.7%	3.7%	3.9%	4.2%	4.0%	3.9%	3.8%	3.8%	3.8%			

Employment (thous. person employed)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	DK2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	DK/EU 2014 ¹	DK2006 ³	EU2006 ³
Total economy	2814	2877	2910	2823	2758	2756	2740	2743	2765	1.2%	98	101
ICT sector	85	88	92	91	89	90	89	88	89	1.4%	105	107
Manufacturing	8	8	8	6	6	5	5	5	5	0.8%	62	72
Telecommunications	19	18	18	17	16	16	15	14	14	1.2%	74	93
Computer Services	42	46	50	52	52	52	52	53	54	1.4%	131	124
Wholesale Trade	16	16	16	16	15	17	16	16	15	2.7%	95	97
ICT sector as a % of Total	3.0%	3.1%	3.2%	3.2%	3.2%	3.3%	3.2%	3.2%	3.2%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	DK2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	DK/EU 2014 ²	DK2006 ³	EU2006 ³
Total economy	58	60	60	58	64	66	68	69	70	(1.13)	120	113
ICT sector	71	73	73	76	81	79	80	82	82	(0.86)	115	104
Manufacturing	61	74	66	64	72	72	72	74	77	(0.98)	126	101
Telecommunications	107	112	115	118	114	128	131	138	130	(0.80)	122	99
Computer Services	59	59	60	67	73	67	67	69	70	(0.88)	118	112
Wholesale Trade	65	68	71	68	75	72	75	79	81	(0.99)	125	116

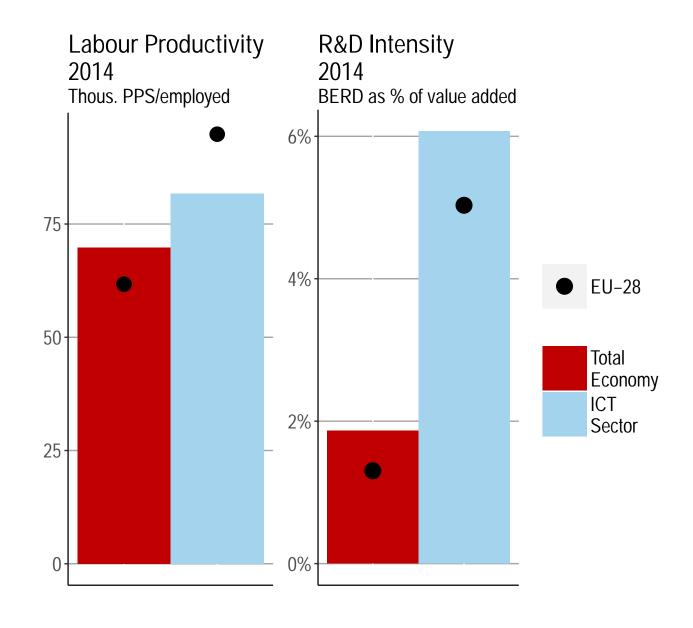
R&D performance

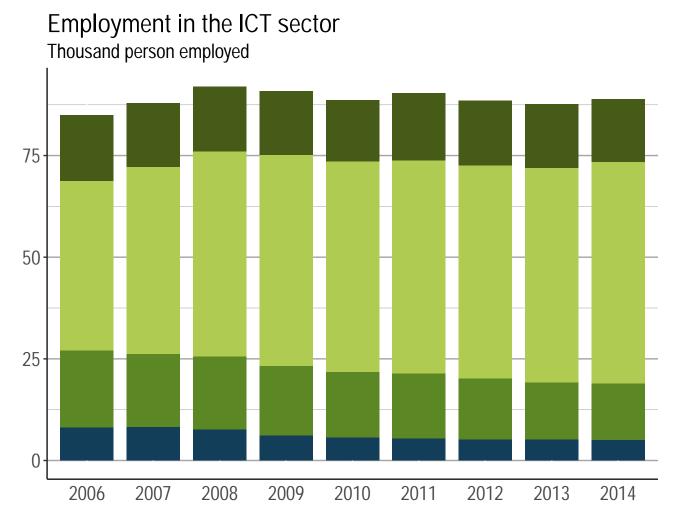
Business expenditure in R&D (BERD – PPS mln)

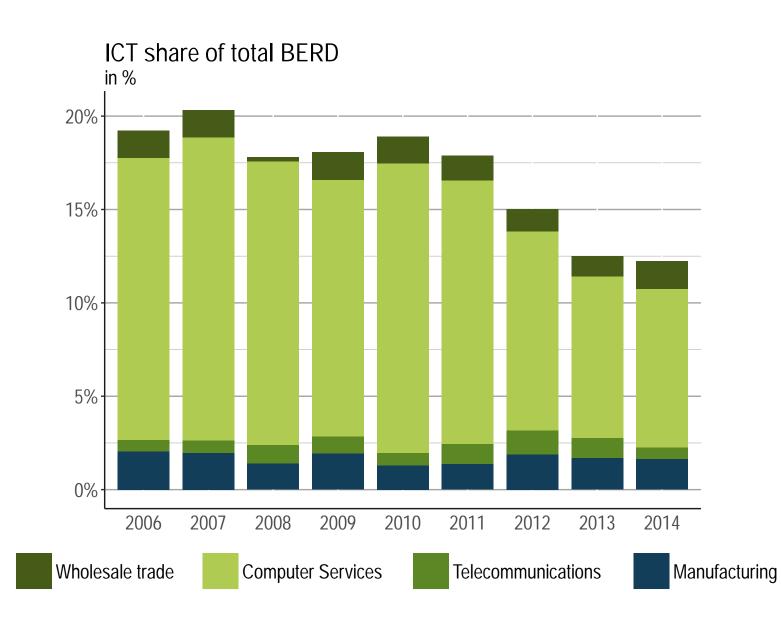
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	DK2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	DK/EU 2014 ¹	DK2006 ³	EU2006 ³
Total economy	2645	3011	3405	3525	3485	3603	3682	3611	3606	2.0%	136	133
ICT sector	508	612	607	637	659	645	553	451	441	1.5%	87	114
Manufacturing	55	60	48	69	45	50	69	62	60	0.5%	110	83
Telecommunications	16	19	34	31	24	39	48	39	22	0.7%	140	86
Computer Services	399	489	517	484	540	508	392	312	305	2.1%	76	180
Wholesale Trade	39	44	8	53	50	48	44	39	54	6.9%	138	155
ICT sector as a % of Total	19.2%	20.3%	17.8%	18.1%	18.9%	17.9%	15.0%	12.5%	12.2%			

R&D Intensity (BERD as a % of value added)

	•		•									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	DK2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	DK/EU 2014 ²	DK2006 ³	EU2006 ³
Total economy	1.6	1.8	1.9	2.1	2.0	2.0	2.0	1.9	1.9	(1.43)	116	117
ICT sector	8.4	9.5	9.0	9.2	9.2	9.0	7.8	6.3	6.1	(1.21)	72	104
Manufacturing	11.0	9.7	9.5	17.3	10.8	12.8	18.4	15.9	15.4	(0.71)	140	115
Telecommunications	0.8	1.0	1.6	1.6	1.3	1.9	2.5	2.0	1.2	(0.68)	155	93
Computer Services	16.2	17.9	17.0	14.0	14.2	14.4	11.1	8.6	8.0	(1.73)	50	130
Wholesale Trade	3.7	4.1	0.7	4.9	4.4	4.0	3.7	3.2	4.3	(2.56)	116	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

ESTONIA (EE)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share EE/EU 2014 ¹	EE2014vs EE2006 ³	EU2014vs EU2006 ³
Total economy	21	24	24	20	21	24	26	26	27	0.2%	129	114
ICT sector	1	1	1	1	1	1	1	1	1	0.2%	151	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.4%	159	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.2%	72	92
Computer Services	0	0	0	0	0	0	1	1	1	0.2%	342	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.1%	78	113
ICT sector as a % of Total	4.2%	4.1%	4.7%	5.0%	4.9%	5.1%	4.8%	5.1%	5.0%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	EE2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	EE/EU 2014 ¹	EE2006 ³	EU2006 ³
Total economy	642	643	642	577	548	584	594	601	606	0.3%	94	101
ICT sector	17	16	18	17	16	21	18	20	23	0.4%	134	107
Manufacturing	6	5	6	6	6	8	6	6	5	0.7%	85	72
Telecommunications	4	2	3	3	2	3	3	4	6	0.5%	158	93
Computer Services	7	7	8	7	8	9	9	9	12	0.3%	171	124
Wholesale Trade	1	1	1	1	1	1	1	1	1	0.1%	82	97
ICT sector as a % of Total	2.7%	2.4%	2.7%	3.0%	2.8%	3.5%	3.1%	3.3%	3.8%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	EE2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	EE/EU 2014 ²	EE2006 ³	EU2006 ³
Total economy	33	37	37	35	39	41	44	44	45	(0.73)	137	113
ICT sector	53	63	62	58	68	59	68	67	59	(0.63)	113	104
Manufacturing	25	25	28	18	29	34	39	38	47	(0.59)	188	101
Telecommunications	127	217	184	153	286	141	165	107	58	(0.36)	46	99
Computer Services	32	42	47	50	48	50	56	70	64	(0.80)	200	112
Wholesale Trade	89	71	58	88	88	90	71	73	85	(1.03)	95	116

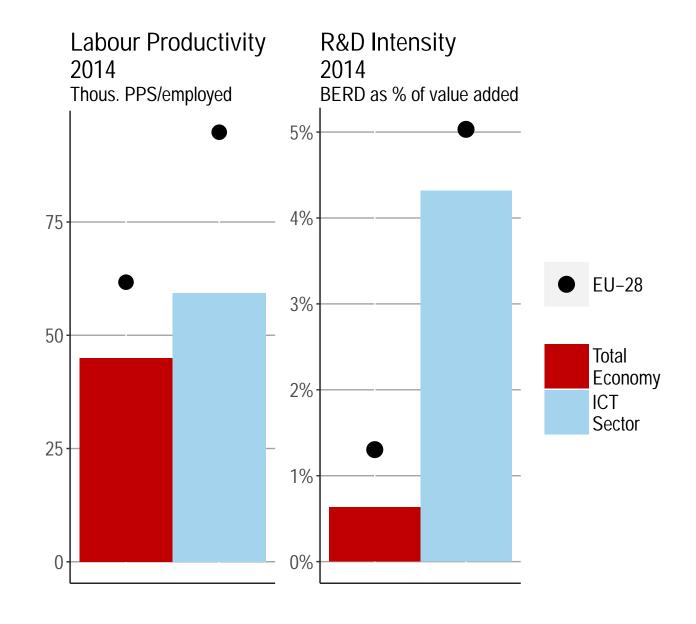
R&D performance

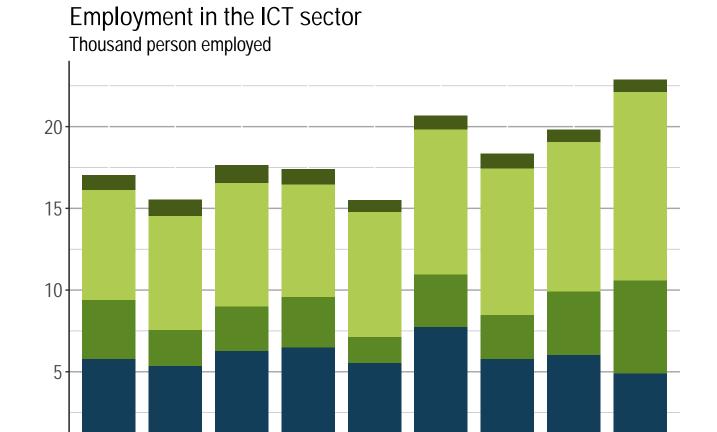
Business expenditure in R&D (BERD – PPS mln)

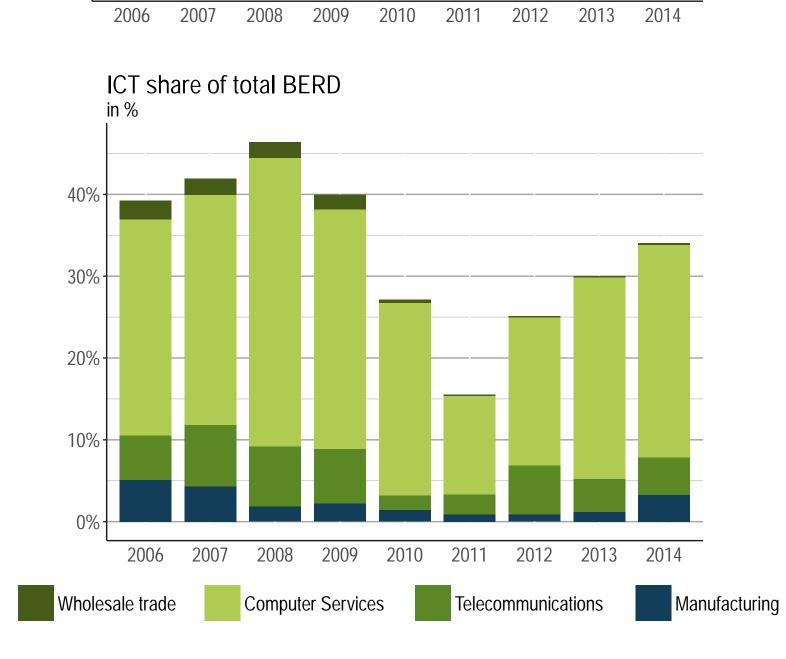
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	EE2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	EE/EU 2014 ¹	EE2006 ³	EU2006 ³
Total economy	105	120	128	126	170	350	315	216	172	0.1%	164	133
ICT sector	41	50	59	51	46	54	79	65	59	0.2%	142	114
Manufacturing	5	5	2	3	2	3	3	3	6	0.0%	105	83
Telecommunications	6	9	9	8	3	8	19	9	8	0.2%	137	86
Computer Services	28	34	45	37	40	42	57	53	45	0.3%	161	180
Wholesale Trade	2	2	2	2	1	1	1	0	0	0.0%	16	155
ICT sector as a % of Total	39.3%	41.9%	46.4%	39.9%	27.1%	15.6%	25.1%	30.0%	34.1%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio EE/EU 2014 ²	EE2014vs EE2006 ³	EU2014vs EU2006 ³
Total economy	0.5	0.5	0.5	0.6	0.8	1.5	1.2	0.8	0.6	(0.48)	127	117
ICT sector	4.6	5.2	5.4	5.0	4.4	4.4	6.4	4.9	4.3	(0.86)	94	104
Manufacturing	3.7	3.8	1.4	2.4	1.6	1.2	1.3	1.2	2.5	(0.11)	66	115
Telecommunications	1.3	1.9	1.9	1.8	0.6	1.9	4.2	2.1	2.4	(1.31)	189	93
Computer Services	12.9	11.6	12.6	10.8	10.8	9.6	11.3	8.4	6.1	(1.31)	47	130
Wholesale Trade	2.9	3.3	3.9	2.8	1.1	0.8	0.8	0.7	0.6	(0.37)	21	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

FINLAND (FI)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2014*	2013	2014	Share FI/EU 2014 ¹	FI2014vs FI2006 ³	EU2014vs EU2006 ³
Total economy	148	161	165	151	157	164	166	164	165	1.2%	112	114
ICT sector	13	14	14	10	10	9	6	8	9	1.5%	68	110
Manufacturing	8	9	8	4	4	3	0	2	2	3.6%	25	72
Telecommunications	2	2	2	2	2	2	2	2	2	0.9%	90	92
Computer Services	3	3	3	3	3	4	4	4	5	1.5%	170	139
Wholesale Trade	0	1	1	0	0	1	1	0	0	1.0%	99	113
ICT sector as a % of Total	8.6%	9.0%	8.4%	6.6%	6.5%	5.5%	3.5%	5.0%	5.3%			

Employment (thous. person employed)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	FI2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	FI/EU 2014 ¹	FI2006 ³	EU2006 ³
Total economy	2455	2507	2563	2501	2484	2516	2538	2520	2507	1.1%	102	101
ICT sector	115	112	111	105	102	101	101	99	97	1.6%	85	107
Manufacturing	36	36	33	30	27	24	24	19	17	2.6%	47	72
Telecommunications	18	17	15	14	13	12	13	13	12	1.1%	66	93
Computer Services	51	50	54	53	54	57	58	61	61	1.6%	120	124
Wholesale Trade	9	9	8	8	7	7	7	7	6	1.1%	76	97
ICT sector as a % of Total	4.7%	4.5%	4.3%	4.2%	4.1%	4.0%	4.0%	3.9%	3.9%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	FI2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	FI/EU 2014 ²	FI2006 ³	EU2006 ³
Total economy	60	64	64	60	63	65	65	65	66	(1.07)	110	113
ICT sector	111	129	125	95	99	89	58	83	89	(0.94)	81	104
Manufacturing	208	242	243	150	165	125	_	102	110	(1.40)	53	101
Telecommunications	104	114	122	134	143	143	141	139	140	(0.86)	135	99
Computer Services	53	64	61	59	60	64	68	67	75	(0.94)	141	112
Wholesale Trade	58	60	68	58	66	72	74	72	75	(0.91)	131	116

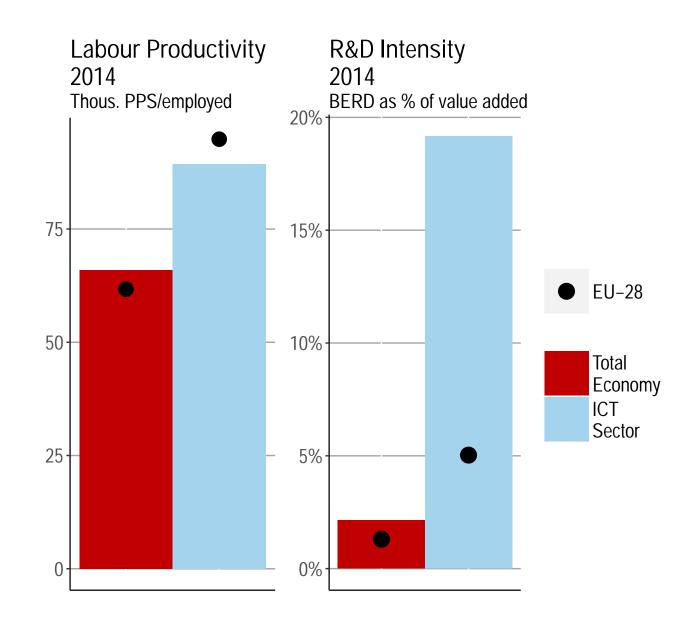
R&D performance

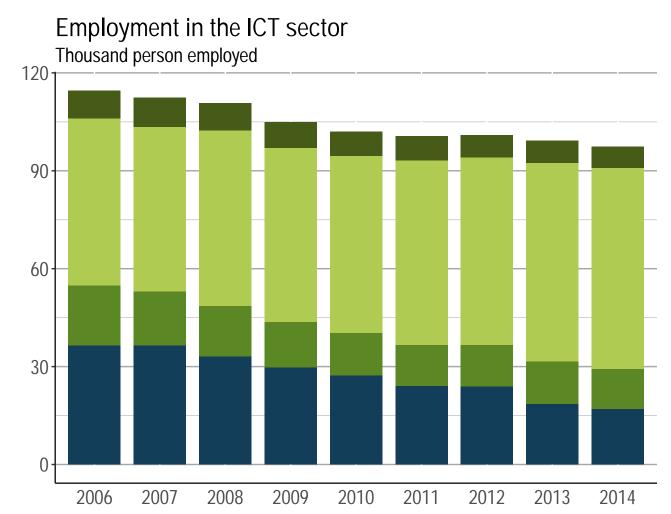
Business expenditure in R&D (BERD – PPS mln)

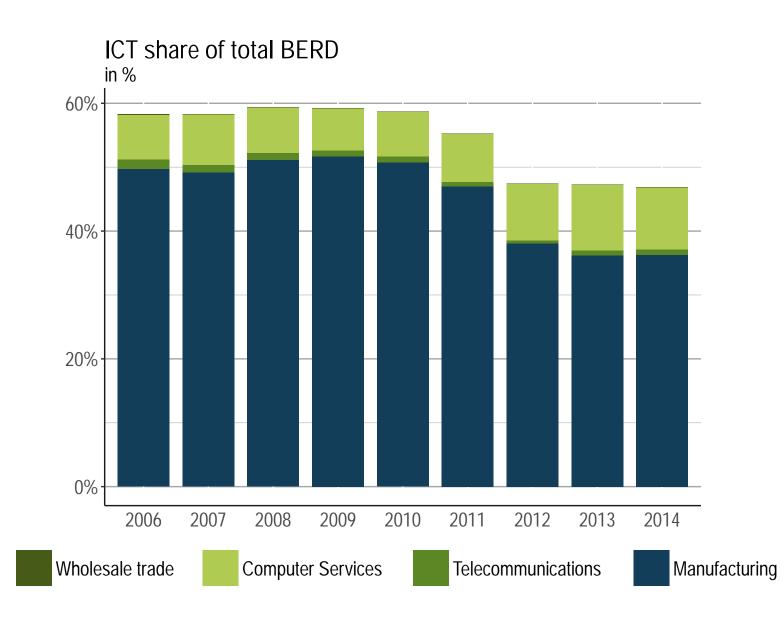
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	FI2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	FI/EU 2014 ¹	FI2006 ³	EU2006 ³
Total economy	3519	3893	4343	4037	4067	4195	3891	3721	3553	1.9%	101	133
ICT sector	2052	2270	2581	2393	2387	2318	1845	1760	1666	5.6%	81	114
Manufacturing	1751	1916	2222	2086	2065	1970	1481	1347	1288	11.3%	74	83
Telecommunications	52	47	47	38	37	32	21	28	29	0.9%	56	86
Computer Services	246	306	310	267	284	314	341	383	346	2.4%	141	180
Wholesale Trade	3	2	2	2	2	3	3	2	2	0.2%	63	155
ICT sector as a % of Total	58.3%	58.3%	59.4%	59.3%	58.7%	55.3%	47.4%	47.3%	46.9%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2014*	2013	2014	Ratio FI/EU 2014 ²	FI2014vs FI2006 ³	EU2014vs EU2006 ³
Total economy	2.4	2.4	2.6	2.7	2.6	2.6	2.4	2.3	2.1	(1.65)	90	117
ICT sector	16.1	15.7	18.7	24.1	23.6	26.0	31.6	21.3	19.2	(3.81)	119	104
Manufacturing	23.1	21.7	27.5	46.7	45.9	65.4	-408.9	70.6	68.4	(3.14)	296	115
Telecommunications	2.7	2.5	2.5	2.0	2.0	1.8	1.2	1.6	1.7	(0.94)	63	93
Computer Services	9.1	9.5	9.5	8.6	8.7	8.7	8.7	9.4	7.5	(1.62)	83	130
Wholesale Trade	0.6	0.4	0.4	0.5	0.4	0.5	0.5	0.4	0.4	(0.22)	63	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

^{*}The negative value of the Value Added and R&D Intensity of Manufacturing for 2012 is due to few large enterprises logging much higher expenditures in income statement than previous years.

FRANCE (FR)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share FR/EU 2014 ¹	FR2014vs FR2006 ³	EU2014vs EU2006 ³
Total economy	1671	1768	1767	1694	1780	1840	1860	1907	1945	13.9%	116	114
ICT sector	81	85	83	78	80	80	81	80	80	13.5%	99	110
Manufacturing	7	7	6	5	5	5	5	4	4	8.2%	58	72
Telecommunications	27	28	28	27	26	26	24	23	21	11.4%	79	92
Computer Services	41	44	44	42	44	46	48	49	50	16.3%	123	139
Wholesale Trade	5	6	5	5	4	4	4	4	4	9.1%	78	113
ICT sector as a % of Total	4.8%	4.8%	4.7%	4.6%	4.5%	4.4%	4.3%	4.2%	4.1%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	FR2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	FR/EU 2014 ¹	FR2006 ³	EU2006 ³
Total economy	26667	27042	27168	26863	26896	27107	27196	27267	27394	12.1%	103	101
ICT sector	751	766	781	765	758	766	787	786	787	12.6%	105	107
Manufacturing	71	68	66	57	53	50	45	44	44	6.6%	62	72
Telecommunications	155	152	148	146	140	136	139	135	130	11.5%	84	93
Computer Services	462	485	505	504	516	529	546	555	559	14.4%	121	124
Wholesale Trade	63	60	62	57	49	51	57	52	54	9.5%	85	97
ICT sector as a % of Total	2.8%	2.8%	2.9%	2.8%	2.8%	2.8%	2.9%	2.9%	2.9%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	FR2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	FR/EU 2014 ²	FR2006 ³	EU2006 ³
Total economy	63	65	65	63	66	68	68	70	71	(1.15)	113	113
ICT sector	107	111	107	102	105	105	103	102	102	(1.07)	95	104
Manufacturing	105	104	89	78	96	101	109	100	98	(1.25)	94	101
Telecommunications	173	183	187	186	189	188	172	172	163	(1.00)	94	99
Computer Services	88	90	88	83	85	87	87	88	90	(1.13)	102	112
Wholesale Trade	86	98	85	81	83	80	74	79	79	(0.96)	91	116

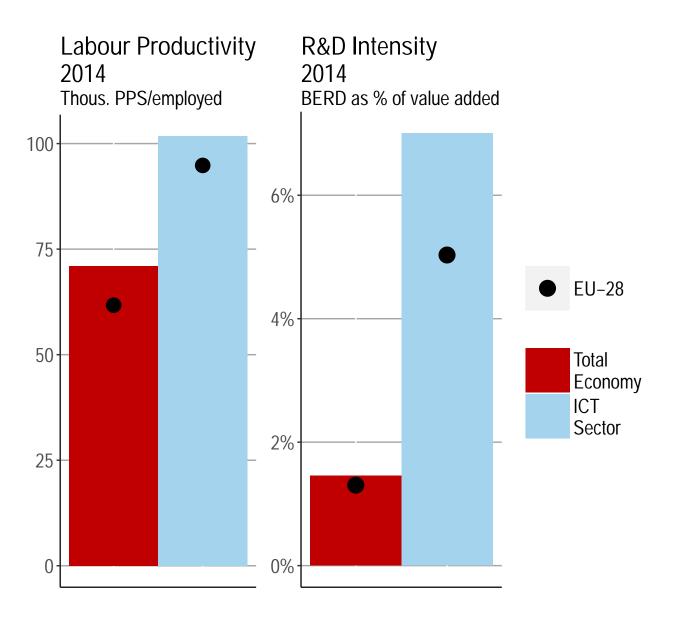
R&D performance

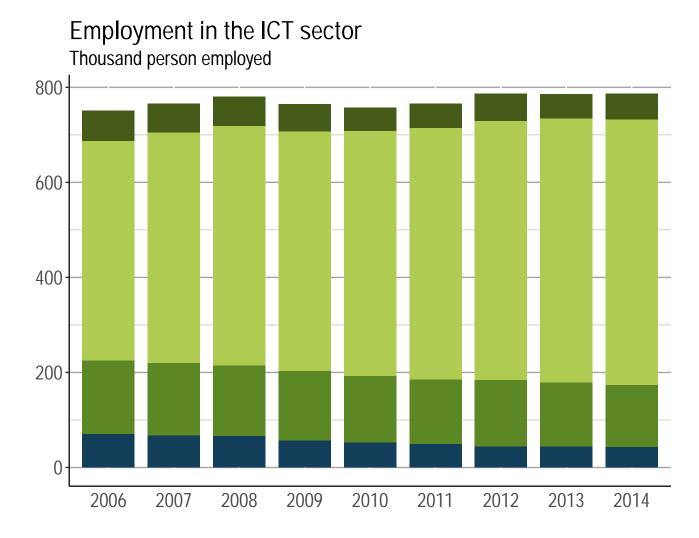
Business expenditure in R&D (BERD – PPS mln)

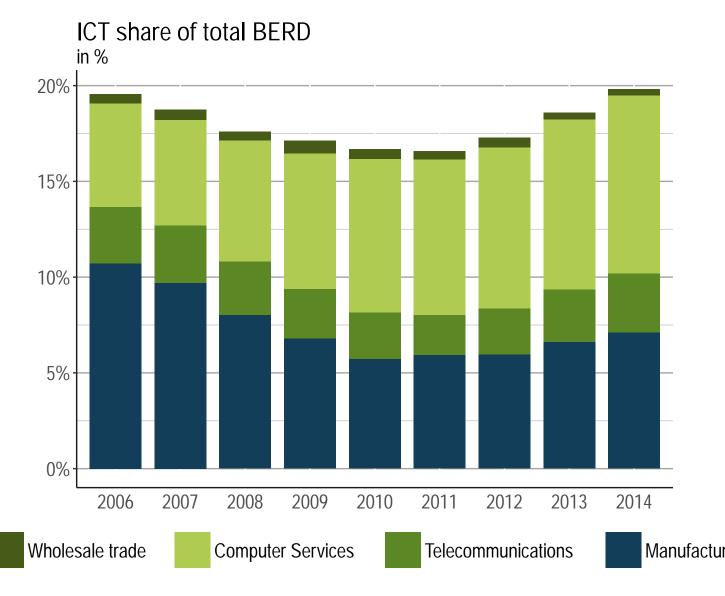
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	FR2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	FR/EU 2014 ¹	FR2006 ³	EU2006 ³
Total economy	21558	22491	22809	23086	24451	25777	26780	27678	28291	15.5%	131	133
ICT sector	4219	4216	4016	3956	4082	4274	4628	5142	5608	18.8%	133	114
Manufacturing	2310	2181	1832	1567	1404	1533	1599	1833	2009	17.6%	87	83
Telecommunications	634	675	637	602	589	532	643	757	878	26.3%	138	86
Computer Services	1170	1242	1445	1635	1963	2099	2251	2457	2633	18.4%	225	180
Wholesale Trade	105	118	102	152	126	108	136	95	89	11.4%	84	155
ICT sector as a % of Total	19.6%	18.7%	17.6%	17.1%	16.7%	16.6%	17.3%	18.6%	19.8%			

R&D Intensity (BERD as a % of value added)

	J ,		•									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	FR2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	FR/EU 2014 ²	FR2006 ³	EU2006 ³
Total economy	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	(1.12)	113	117
ICT sector	5.2	5.0	4.8	5.0	5.1	5.3	5.7	6.4	7.0	(1.39)	134	104
Manufacturing	31.2	30.8	31.1	34.8	27.6	30.6	32.8	41.0	46.9	(2.15)	150	115
Telecommunications	2.4	2.4	2.3	2.2	2.2	2.1	2.7	3.3	4.1	(2.30)	176	93
Computer Services	2.9	2.8	3.2	3.9	4.5	4.6	4.7	5.0	5.2	(1.13)	182	130
Wholesale Trade	1.9	2.0	2.0	3.3	3.1	2.6	3.2	2.3	2.1	(1.25)	108	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

GERMANY (DE)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DE/EU 2014 ¹	DE2014vs DE2006 ³	EU2014vs EU2006 ³
Total economy	2326	2455	2465	2287	2472	2600	2655	2683	2804	20.0%	120	114
ICT sector	93	102	99	91	94	102	105	109	116	19.6%	125	110
Manufacturing	17	21	17	11	13	13	11	12	13	24.9%	77	72
Telecommunications	35	34	33	29	26	26	25	24	25	13.5%	71	92
Computer Services	35	40	41	42	45	52	57	63	67	21.7%	192	139
Wholesale Trade	6	7	9	9	10	11	11	10	11	23.6%	182	113
ICT sector as a % of Total	4.0%	4.1%	4.0%	4.0%	3.8%	3.9%	4.0%	4.0%	4.1%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	DE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	DE/EU 2014 ¹	DE2006 ³	EU2006 ³
Total economy	39635	40325	40856	40892	41020	41577	42061	42328	42662	18.8%	108	101
ICT sector	1013	1048	1106	1054	1047	1071	1087	1111	1131	18.1%	112	107
Manufacturing	169	177	187	153	145	144	143	141	139	21.0%	83	72
Telecommunications	197	200	194	173	144	135	129	126	125	11.0%	64	93
Computer Services	544	564	591	627	637	662	697	723	743	19.1%	137	124
Wholesale Trade	104	106	133	101	121	130	117	121	123	21.7%	119	97
ICT sector as a % of Total	2.6%	2.6%	2.7%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	DE2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	DE/EU 2014 ²	DE2006 ³	EU2006 ³
Total economy	59	61	60	56	60	63	63	63	66	(1.06)	112	113
ICT sector	92	97	90	86	90	95	97	98	103	(1.08)	112	104
Manufacturing	100	118	91	70	89	88	79	83	94	(1.19)	93	101
Telecommunications	179	169	168	167	183	194	197	189	200	(1.23)	112	99
Computer Services	64	71	69	67	70	79	82	87	90	(1.14)	141	112
Wholesale Trade	58	63	65	93	86	81	92	83	89	(1.08)	154	116

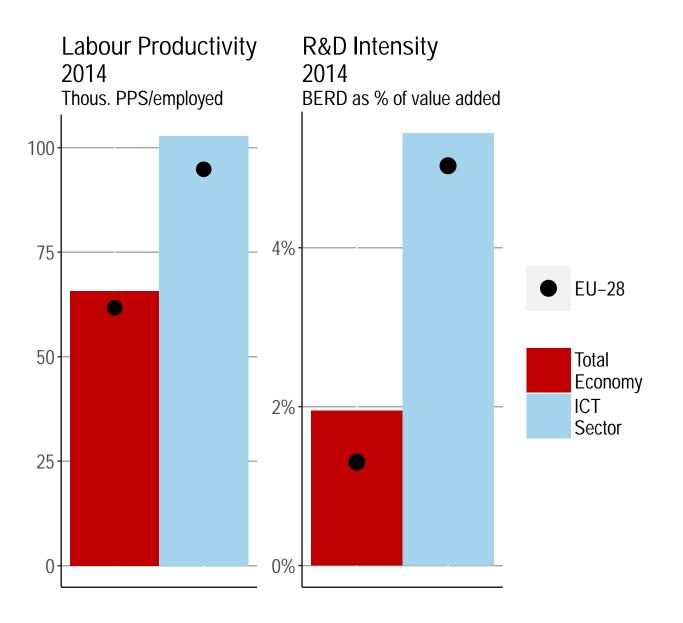
R&D performance

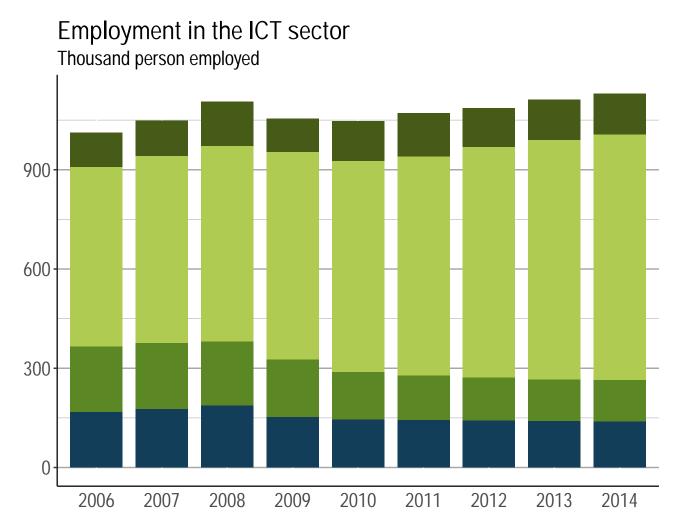
Business expenditure in R&D (BERD – PPS mln)

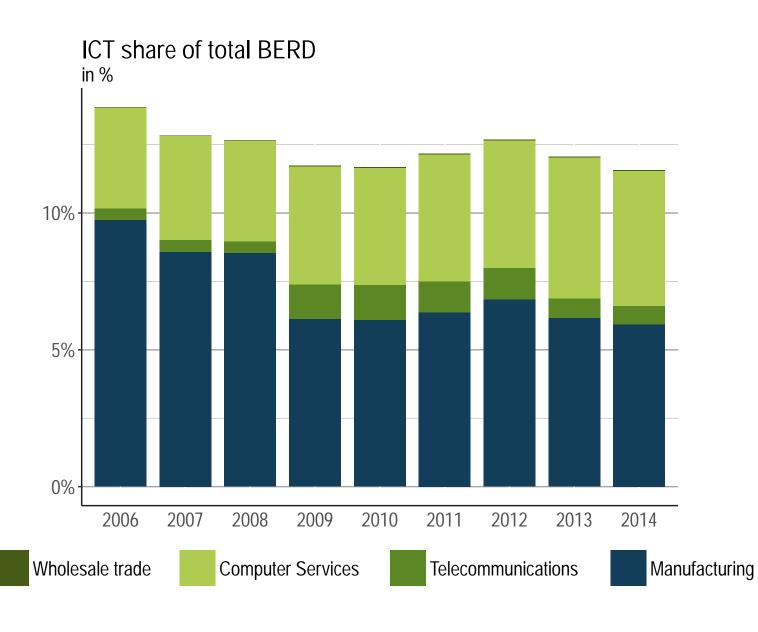
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	DE2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	DE/EU 2014 ¹	DE2006 ³	EU2006 ³
Total economy	39991	42038	44341	42083	44965	49138	51784	50859	54651	30.0%	137	133
ICT sector	5549	5390	5615	4935	5252	5979	6570	6132	6319	21.2%	114	114
Manufacturing	3901	3606	3789	2582	2741	3135	3545	3139	3240	28.4%	83	83
Telecommunications	165	187	184	530	577	549	598	355	365	11.0%	221	86
Computer Services	1480	1592	1635	1815	1923	2283	2414	2627	2702	18.9%	183	180
Wholesale Trade	3	4	6	8	11	12	12	11	11	1.5%	411	155
ICT sector as a % of Total	13.9%	12.8%	12.7%	11.7%	11.7%	12.2%	12.7%	12.1%	11.6%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio DE/EU 2014 ²	DE2014vs DE2006 ³	EU2014vs EU2006 ³
Total economy	1.7	1.7	1.8	1.8	1.8	1.9	2.0	1.9	1.9	(1.49)	113	117
ICT sector	6.0	5.3	5.7	5.4	5.6	5.9	6.3	5.6	5.4	(1.08)	91	104
Manufacturing	23.1	17.2	22.2	24.0	21.2	24.8	31.2	26.8	24.8	(1.14)	108	115
Telecommunications	0.5	0.6	0.6	1.8	2.2	2.1	2.4	1.5	1.5	(0.81)	311	93
Computer Services	4.2	4.0	4.0	4.3	4.3	4.3	4.2	4.2	4.0	(0.87)	95	130
Wholesale Trade	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	(0.06)	225	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

GREECE (GR)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share GR/EU 2014 ¹	GR2014vs GR2006 ³	EU2014vs EU2006 ³
Total economy	254	263	270	256	246	223	217	217	218	1.6%	86	114
ICT sector	8	8	8	8	7	6	6	6	6	1.0%	78	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.2%	104	72
Telecommunications	5	6	6	6	6	5	4	4	4	2.1%	73	92
Computer Services	2	1	1	1	1	1	1	1	1	0.5%	88	139
Wholesale Trade	1	1	1	1	0	1	1	0	1	1.1%	90	113
ICT sector as a % of Total	3.1%	3.0%	2.9%	3.2%	3.0%	2.9%	2.8%	2.7%	2.8%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	GR2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	GR/EU 2014 ¹	GR2006 ³	EU2006 ³
Total economy	4731	4795	4856	4829	4705	4382	4105	3957	3963	1.7%	84	101
ICT sector	67	67	70	67	70	67	68	64	70	1.1%	105	107
Manufacturing	3	3	3	2	3	1	2	2	1	0.2%	46	72
Telecommunications	30	28	30	28	29	28	28	27	29	2.5%	97	93
Computer Services	23	25	26	26	27	27	28	28	28	0.7%	121	124
Wholesale Trade	10	11	11	11	10	10	10	8	11	2.0%	109	97
ICT sector as a % of Total	1.4%	1.4%	1.4%	1.4%	1.5%	1.5%	1.7%	1.6%	1.8%			

Productivity of labour (thous. PPS / person employed)

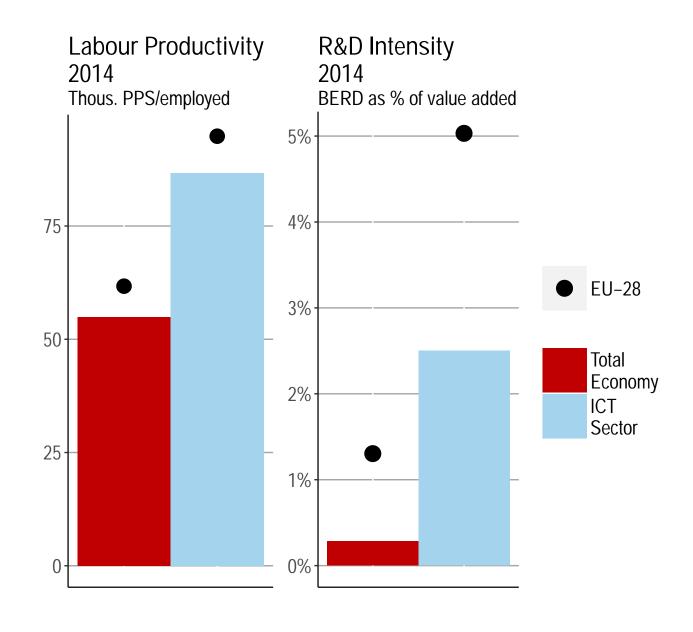
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	GR2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	GR/EU 2014 ²	GR2006 ³	EU2006 ³
Total economy	54	55	56	53	52	51	53	55	55	(0.89)	102	113
ICT sector	117	117	112	123	106	96	90	92	87	(0.92)	74	104
Manufacturing	39	46	45	47	70	73	67	76	88	(1.11)	224	101
Telecommunications	184	204	197	202	189	164	150	146	138	(0.84)	75	99
Computer Services	70	58	48	54	46	42	43	47	51	(0.64)	73	112
Wholesale Trade	55	51	55	97	35	53	62	63	46	(0.55)	83	116

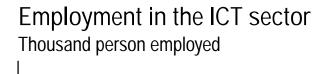
R&D performance

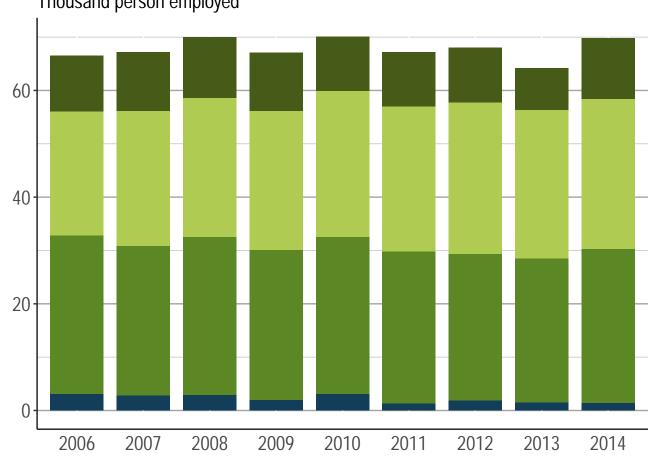
Business expenditure in R&D (BERD – PPS mln)

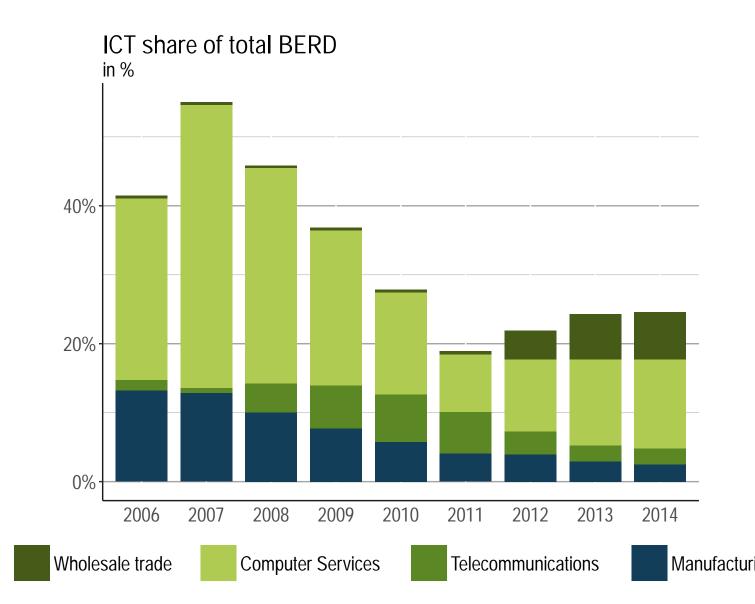
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	GR2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	GR/EU 2014 ¹	GR2006 ³	EU2006 ³
Total economy	428	433	558	580	580	523	521	587	617	0.3%	144	133
ICT sector	177	238	256	213	161	99	114	142	151	0.5%	85	114
Manufacturing	57	56	56	45	33	22	20	17	15	0.1%	27	83
Telecommunications	6	3	23	36	40	32	17	14	15	0.4%	229	86
Computer Services	112	178	174	130	86	44	55	73	79	0.6%	70	180
Wholesale Trade	2	2	2	2	2	3	22	38	42	5.4%	2458	155
ICT sector as a % of Total	41.4%	55.0%	45.8%	36.8%	27.8%	19.0%	21.9%	24.3%	24.5%			

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio GR/EU 2014 ²	GR2014vs GR2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	(0.22)	168	117
ICT sector	2.3	3.0	3.3	2.6	2.2	1.5	1.9	2.4	2.5	(0.50)	110	104
Manufacturing	46.6	42.5	43.3	47.4	15.1	21.8	16.5	14.8	12.1	(0.56)	26	115
Telecommunications	0.1	0.1	0.4	0.6	0.7	0.7	0.4	0.3	0.4	(0.20)	316	93
Computer Services	6.9	12.1	13.8	9.2	6.7	3.8	4.4	5.6	5.5	(1.19)	80	130
Wholesale Trade	0.3	0.3	0.3	0.2	0.7	0.5	3.4	7.9	8.1	(4.86)	2732	137









Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

HUNGARY (HU)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share HU/EU 2014 ¹	HU2014vs HU2006 ³	EU2014vs EU2006 ³
Total economy	153	158	163	158	165	170	171	176	185	1.3%	121	114
ICT sector	9	8	9	8	8	9	9	9	10	1.6%	108	110
Manufacturing	3	2	2	2	2	3	3	3	3	5.0%	82	72
Telecommunications	3	3	3	3	3	3	2	2	3	1.4%	75	92
Computer Services	2	2	3	3	3	3	3	4	4	1.3%	191	139
Wholesale Trade	0	0	0	0	0	0	0	1	0	1.0%	178	113
ICT sector as a % of Total	5.8%	5.2%	5.3%	5.4%	5.0%	5.5%	5.1%	5.4%	5.1%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	HU2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	HU/EU 2014 ¹	HU2006 ³	EU2006 ³
Total economy	4192	4198	4115	4013	3970	3971	3979	4022	4216	1.9%	101	101
ICT sector	162	178	155	139	149	168	161	155	167	2.7%	103	107
Manufacturing	87	105	79	68	77	86	78	65	65	9.8%	75	72
Telecommunications	24	22	21	22	21	23	22	22	22	2.0%	94	93
Computer Services	49	48	51	44	45	53	56	62	73	1.9%	149	124
Wholesale Trade	3	3	5	5	6	5	5	6	7	1.2%	281	97
ICT sector as a % of Total	3.9%	4.2%	3.8%	3.5%	3.8%	4.2%	4.0%	3.9%	4.0%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	HU2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	HU/EU 2014 ²	HU2006 ³	EU2006 ³
Total economy	36	38	40	39	42	43	43	44	44	(0.71)	120	113
ICT sector	55	46	56	61	56	55	54	61	57	(0.60)	104	104
Manufacturing	36	22	30	33	30	35	33	41	40	(0.50)	109	101
Telecommunications	142	148	164	145	129	118	111	111	113	(0.70)	80	99
Computer Services	42	48	50	62	62	58	60	61	54	(0.68)	128	112
Wholesale Trade	101	86	73	66	80	91	85	91	64	(0.78)	63	116

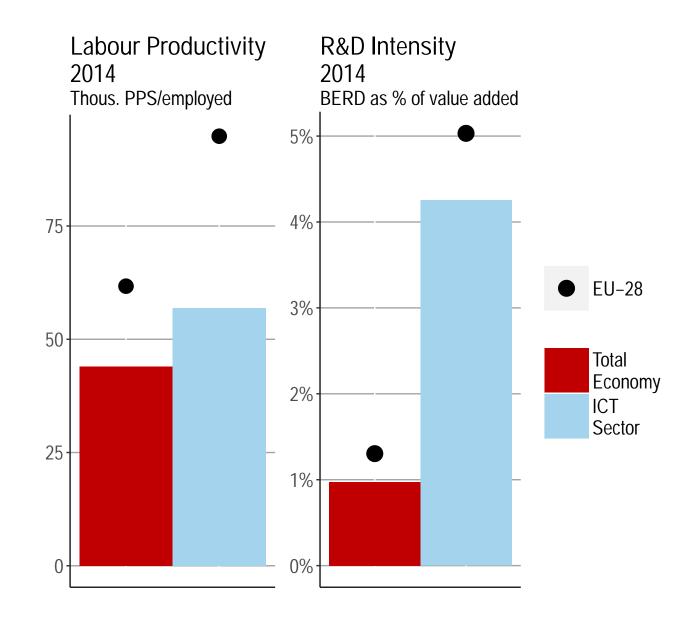
R&D performance

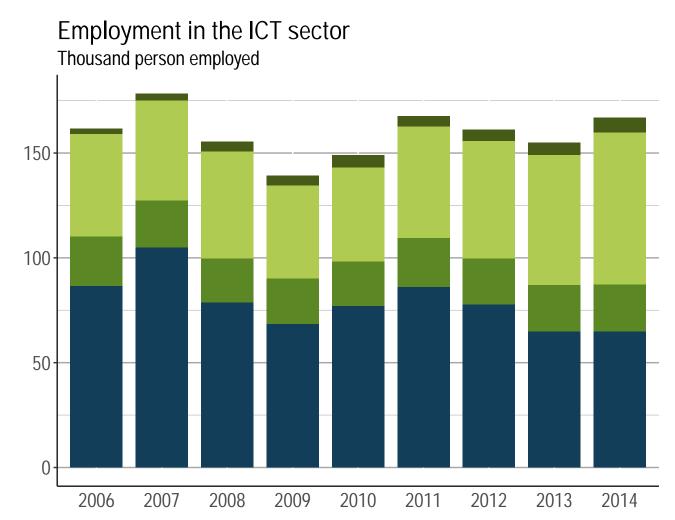
Business expenditure in R&D (BERD – PPS mln)

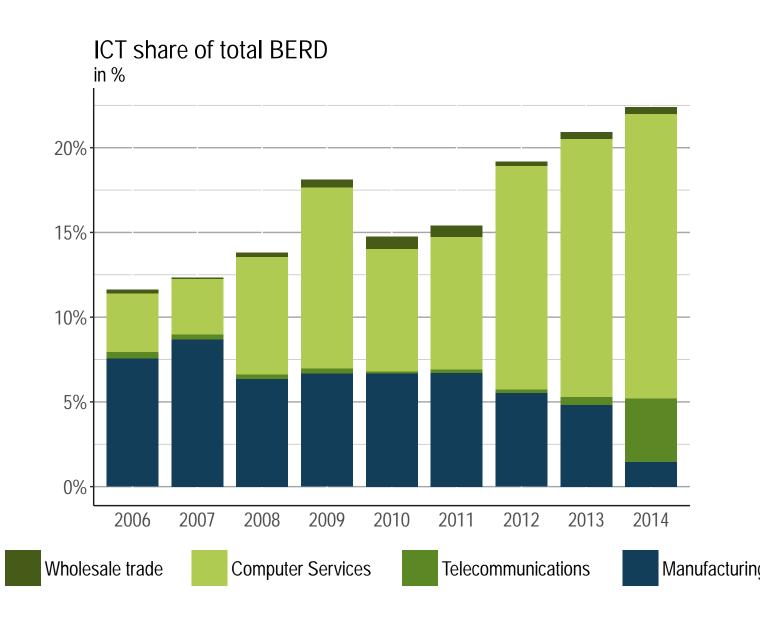
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	HU2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	HU/EU 2014 ¹	HU2006 ³	EU2006 ³
Total economy	728	764	845	1026	1129	1270	1420	1703	1804	1.0%	248	133
ICT sector	84	94	117	186	167	196	273	356	404	1.4%	478	114
Manufacturing	55	66	54	69	75	85	78	82	26	0.2%	48	83
Telecommunications	3	2	2	3	1	3	3	8	68	2.0%	2439	86
Computer Services	25	25	58	110	82	99	187	260	303	2.1%	1209	180
Wholesale Trade	2	0	2	5	8	9	4	7	7	0.9%	463	155
ICT sector as a % of Total	11.6%	12.3%	13.8%	18.1%	14.8%	15.4%	19.2%	20.9%	22.4%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	HU2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	HU/EU 2014 ²	HU2006 ³	EU2006 ³
Total economy	0.5	0.5	0.5	0.7	0.7	0.7	0.8	1.0	1.0	(0.75)	205	117
ICT sector	1.0	1.1	1.3	2.2	2.0	2.1	3.1	3.8	4.3	(0.84)	445	104
Manufacturing	1.7	2.9	2.3	3.0	3.3	2.8	3.1	3.0	1.0	(0.05)	58	115
Telecommunications	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.3	2.7	(1.49)	3258	93
Computer Services	1.2	1.1	2.3	4.0	2.9	3.2	5.6	6.9	7.7	(1.66)	633	130
Wholesale Trade	0.6	0.2	0.6	1.5	1.8	1.9	0.8	1.3	1.6	(0.94)	260	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

IRELAND (IE)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IE/EU 2014 ¹	IE2014vs IE2006 ³	EU2014vs EU2006 ³
Total economy	153	167	154	143	151	157	161	162	173	1.2%	113	114
ICT sector	12	13	13	13	16	17	19	21	21	3.5%	173	110
Manufacturing	4	3	2	3	2	2	2	2	2	4.0%	56	72
Telecommunications	2	2	2	2	2	3	3	2	2	1.2%	124	92
Computer Services	6	7	7	8	10	11	13	15	15	4.9%	271	139
Wholesale Trade	1	1	1	1	1	1	2	2	2	3.2%	149	113
ICT sector as a % of Total	7.9%	7.6%	8.3%	9.3%	10.6%	11.0%	12.0%	12.7%	12.1%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	IE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	IE/EU 2014 ¹	IE2006 ³	EU2006 ³
Total economy	2053	2143	2129	1962	1883	1872	1862	1908	1940	0.9%	94	101
ICT sector	92	90	94	94	93	77	80	79	81	1.3%	88	107
Manufacturing	28	25	27	24	22	17	14	12	13	2.0%	47	72
Telecommunications	21	21	21	21	20	14	14	11	10	0.9%	49	93
Computer Services	39	39	42	44	46	39	43	46	48	1.2%	122	124
Wholesale Trade	4	5	5	4	5	7	10	10	10	1.7%	224	97
ICT sector as a % of Total	4.5%	4.2%	4.4%	4.8%	4.9%	4.1%	4.3%	4.1%	4.2%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	IE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	IE/EU 2014 ²	IE2006 ³	EU2006 ³
Total economy	75	78	72	73	80	84	86	85	89	(1.45)	120	113
ICT sector	132	141	136	143	173	225	240	260	261	(2.75)	198	104
Manufacturing	134	120	90	110	105	137	159	177	160	(2.03)	119	101
Telecommunications	87	90	107	102	120	178	196	202	222	(1.36)	255	99
Computer Services	143	172	178	177	214	287	300	318	319	(4.01)	223	112
Wholesale Trade	229	240	159	188	317	188	156	154	152	(1.85)	67	116

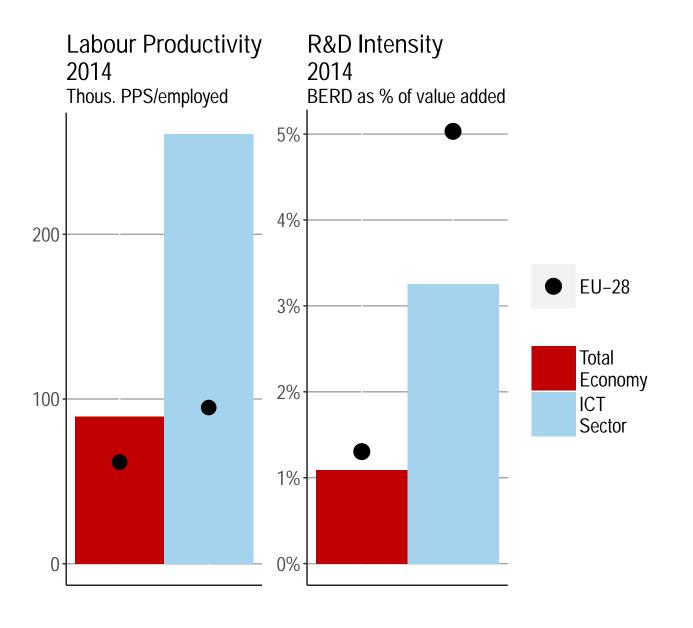
R&D performance

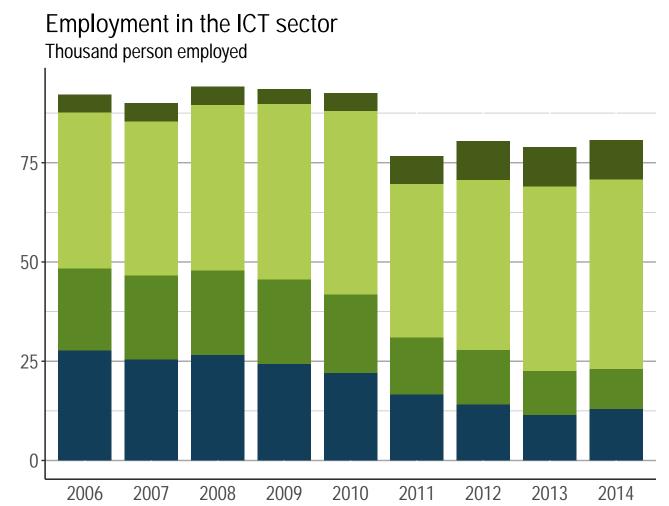
Business expenditure in R&D (BERD – PPS mln)

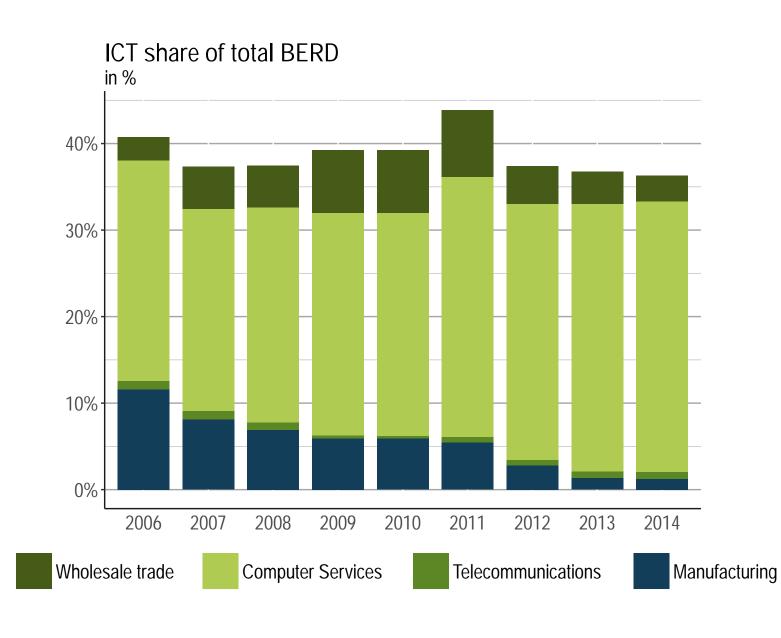
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	IE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	IE/EU 2014 ¹	IE2006 ³	EU2006 ³
Total economy	1213	1357	1385	1575	1660	1686	1793	1820	1891	1.0%	156	133
ICT sector	494	506	519	618	651	740	670	669	685	2.3%	139	114
Manufacturing	140	111	96	93	98	92	50	25	24	0.2%	17	83
Telecommunications	12	13	11	5	6	11	12	13	14	0.4%	122	86
Computer Services	309	317	345	405	427	507	530	563	591	4.1%	191	180
Wholesale Trade	33	66	67	114	121	130	78	68	56	7.2%	172	155
ICT sector as a % of Total	40.7%	37.3%	37.5%	39.2%	39.2%	43.9%	37.4%	36.7%	36.3%			

R&D Intensity (BERD as a % of value added)

	•											
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	IE2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	IE/EU 2014 ²	IE2006 ³	EU2006 ³
Total economy	0.8	0.8	0.9	1.1	1.1	1.1	1.1	1.1	1.1	(0.84)	138	117
ICT sector	4.1	4.0	4.0	4.6	4.1	4.3	3.5	3.2	3.3	(0.65)	80	104
Manufacturing	3.8	3.6	4.0	3.5	4.2	4.0	2.2	1.2	1.2	(0.05)	31	115
Telecommunications	0.7	0.7	0.5	0.2	0.2	0.4	0.4	0.6	0.6	(0.36)	98	93
Computer Services	5.5	4.8	4.6	5.2	4.3	4.6	4.1	3.8	3.9	(0.84)	70	130
Wholesale Trade	3.2	6.0	9.0	16.2	8.4	9.9	5.1	4.4	3.7	(2.22)	115	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

ITALY (IT)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IT/EU 2014 ¹	IT2014vs IT2006 ³	EU2014vs EU2006 ³
Total economy	1512	1599	1616	1518	1569	1607	1617	1587	1611	11.5%	106	114
ICT sector	58	60	60	58	58	59	58	54	54	9.1%	94	110
Manufacturing	5	5	5	4	5	5	5	4	4	8.1%	83	72
Telecommunications	27	27	27	25	25	24	23	19	18	9.8%	66	92
Computer Services	22	24	24	24	25	26	26	26	27	8.9%	124	139
Wholesale Trade	3	4	4	4	3	3	4	4	4	8.8%	138	113
ICT sector as a % of Total	3.8%	3.8%	3.7%	3.8%	3.7%	3.7%	3.6%	3.4%	3.3%			

Employment (thous. person employed)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	IT2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	IT/EU 2014 ¹	IT2006 ³	EU2006 ³
Total economy	24984	25295	25349	24926	24766	24843	24765	24323	24339	10.7%	97	101
ICT sector	665	660	652	653	637	637	636	626	614	9.8%	92	107
Manufacturing	90	88	84	79	75	77	76	66	60	9.0%	66	72
Telecommunications	121	118	116	113	108	104	99	95	89	7.9%	74	93
Computer Services	388	387	389	400	394	397	401	407	408	10.5%	105	124
Wholesale Trade	66	67	62	61	59	59	59	58	57	10.0%	86	97
ICT sector as a % of Total	2.7%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%	2.5%			

Productivity of labour (thous. PPS / person employed)

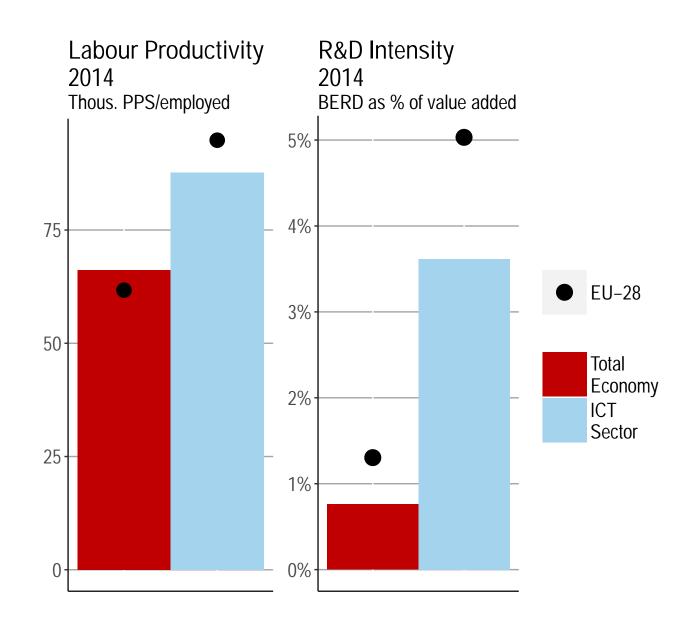
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	IT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	IT/EU 2014 ²	IT2006 ³	EU2006 ³
Total economy	61	63	64	61	63	65	65	65	66	(1.07)	109	113
ICT sector	86	92	92	89	92	92	92	86	88	(0.92)	101	104
Manufacturing	57	60	59	55	65	69	68	67	71	(0.90)	125	101
Telecommunications	226	232	231	224	230	232	230	203	202	(1.24)	90	99
Computer Services	57	62	63	61	64	65	66	65	67	(0.85)	118	112
Wholesale Trade	45	58	61	61	58	58	66	70	72	(0.88)	161	116

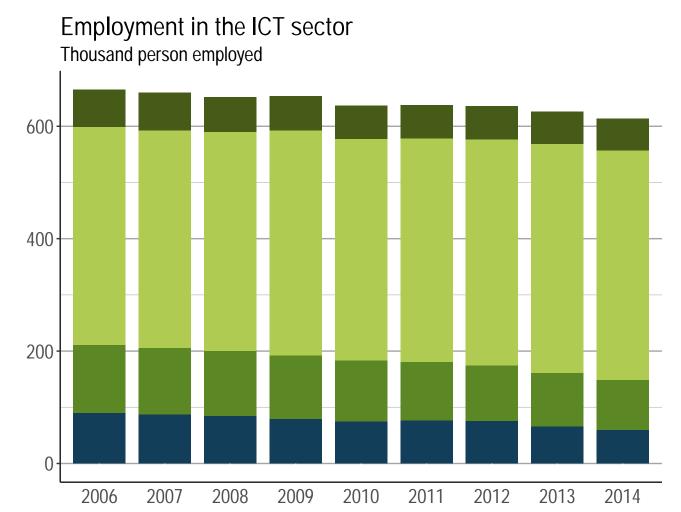
R&D performance

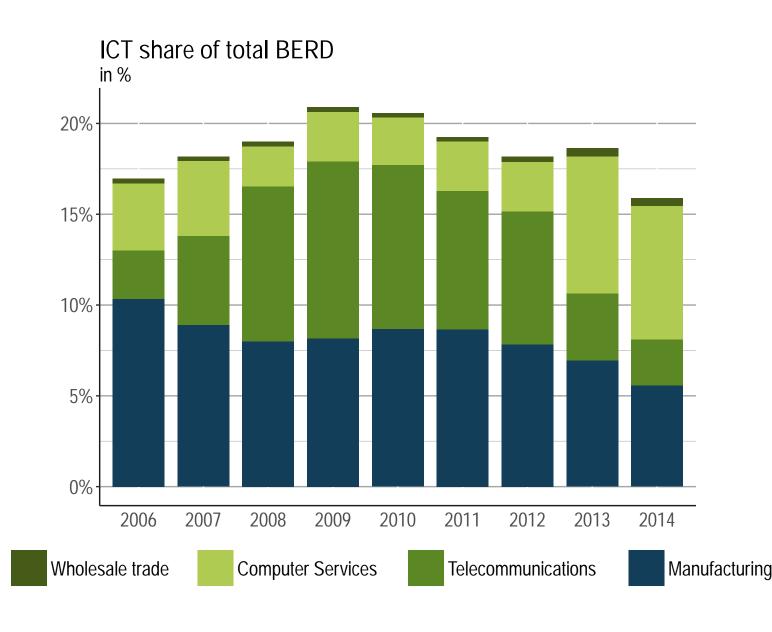
Business expenditure in R&D (BERD – PPS mln)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	IT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	IT/EU 2014 ¹	IT2006 ³	EU2006 ³
Total economy	8018	9390	10074	9881	10347	10623	11130	11358	12269	6.7%	153	133
ICT sector	1360	1706	1915	2065	2129	2043	2022	2115	1947	6.5%	143	114
Manufacturing	829	837	805	806	900	919	872	788	685	6.0%	83	83
Telecommunications	215	459	859	963	935	812	815	422	310	9.3%	144	86
Computer Services	296	387	224	271	271	288	302	856	901	6.3%	305	180
Wholesale Trade	20	23	27	26	24	24	33	50	52	6.6%	256	155
ICT sector as a % of Total	17.0%	18.2%	19.0%	20.9%	20.6%	19.2%	18.2%	18.6%	15.9%			

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	IT2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	IT/EU 2014 ²	IT2006 ³	EU2006 ³
Total economy	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	(0.58)	144	117
ICT sector	2.4	2.8	3.2	3.6	3.7	3.5	3.5	3.9	3.6	(0.72)	153	104
Manufacturing	16.3	16.0	16.1	18.5	18.3	17.4	16.9	17.9	16.2	(0.74)	100	115
Telecommunications	0.8	1.7	3.2	3.8	3.7	3.4	3.6	2.2	1.7	(0.95)	218	93
Computer Services	1.3	1.6	0.9	1.1	1.1	1.1	1.1	3.2	3.3	(0.71)	245	130
Wholesale Trade	0.7	0.6	0.7	0.7	0.7	0.7	0.8	1.3	1.3	(0.75)	185	137







Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

LATVIA (LV)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LV/EU 2014 ¹	LV2014vs LV2006 ³	EU2014vs EU2006 ³
Total economy	30	34	34	27	28	30	33	34	35	0.2%	116	114
ICT sector	1	1	1	1	1	1	1	1	1	0.2%	136	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.2%	202	72
Telecommunications	1	1	1	1	1	1	1	0	0	0.3%	72	92
Computer Services	0	0	0	0	0	0	1	1	1	0.2%	327	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.3%	113	113
ICT sector as a % of Total	3.5%	3.2%	3.5%	3.9%	4.1%	4.0%	4.0%	4.4%	4.1%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LV/EU 2014 ¹	LV2014vs LV2006 ³	EU2014vs EU2006 ³
Total economy	1025	1064	1055	904	844	856	869	889	877	0.4%	86	101
ICT sector	17	19	20	19	19	21	21	24	25	0.4%	148	107
Manufacturing	1	1	1	1	1	1	1	1	1	0.2%	98	72
Telecommunications	6	6	6	6	6	6	5	6	6	0.5%	102	93
Computer Services	6	8	9	8	10	12	12	14	15	0.4%	240	124
Wholesale Trade	3	3	4	3	2	2	2	2	2	0.4%	77	97
ICT sector as a % of Total	1.6%	1.8%	1.9%	2.1%	2.2%	2.4%	2.4%	2.7%	2.8%			

Productivity of labour (thous. PPS / person employed)

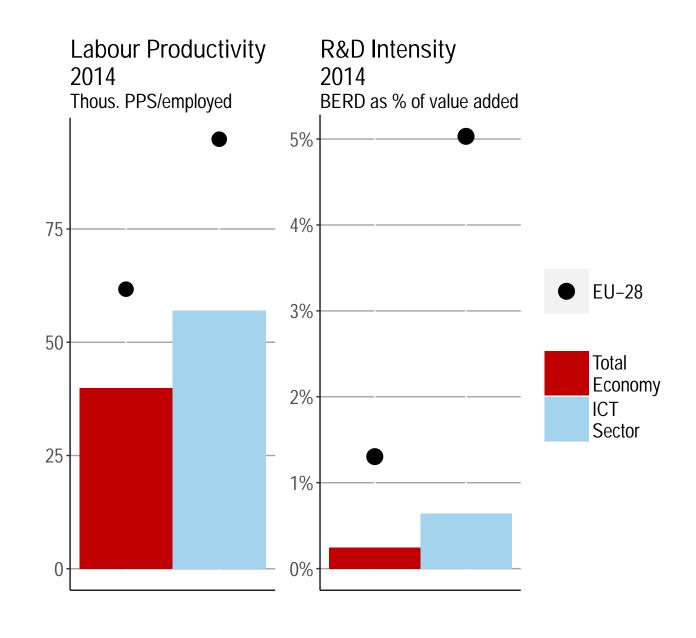
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	LV2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	LV/EU 2014 ²	LV2006 ³	EU2006 ³
Total economy	29	32	32	30	33	35	37	38	40	(0.65)	136	113
ICT sector	62	57	59	58	62	58	62	61	57	(0.60)	92	104
Manufacturing	28	37	47	37	76	115	52	74	58	(0.74)	207	101
Telecommunications	110	101	102	90	96	89	102	82	77	(0.47)	70	99
Computer Services	36	34	38	43	43	39	47	50	49	(0.61)	136	112
Wholesale Trade	40	41	45	47	47	58	58	64	59	(0.71)	147	116

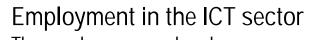
R&D performance

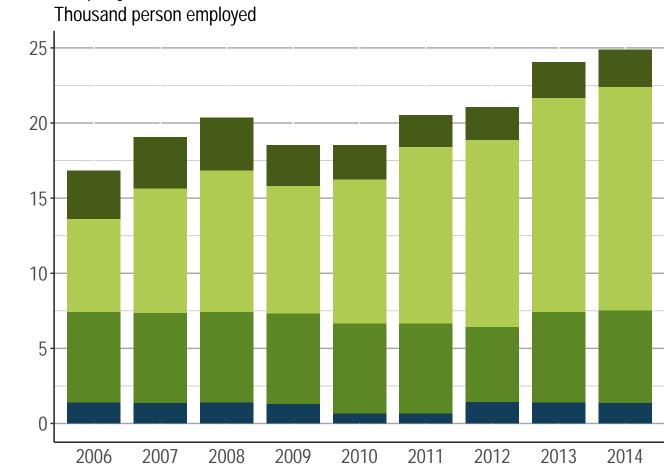
Business expenditure in R&D (BERD – PPS mln)

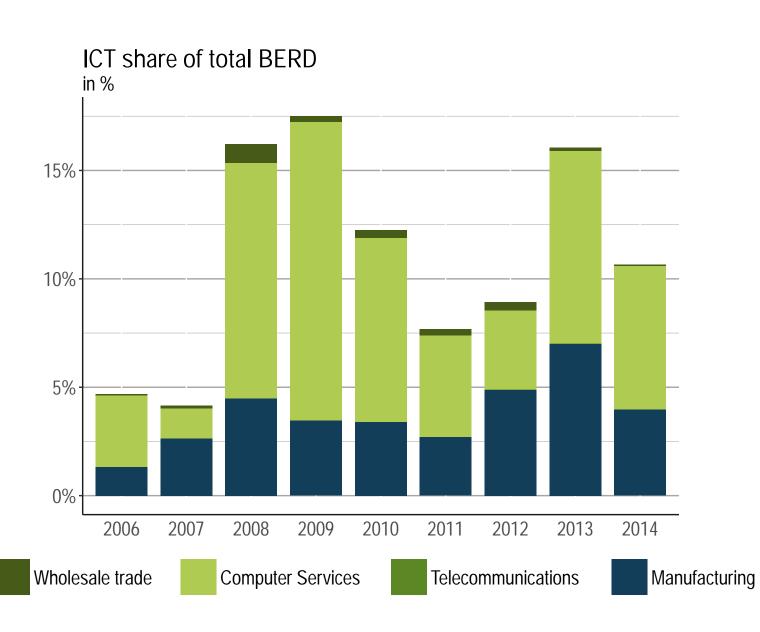
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	LV2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	LV/EU 2014 ¹	LV2006 ³	EU2006 ³
Total economy	98	61	49	45	63	59	49	58	86	0.0%	87	133
ICT sector	5	3	8	8	8	4	4	9	9	0.0%	198	114
Manufacturing	1	2	2	2	2	2	2	4	3	0.0%	262	83
Telecommunications	0	0	0	0	0	0	0	0	0	0.0%	_	86
Computer Services	3	1	5	6	5	3	2	5	6	0.0%	174	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	88	155
ICT sector as a % of Total	4.7%	4.2%	16.2%	17.5%	12.3%	7.7%	8.9%	16.1%	10.7%			

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio LV/EU 2014 ²	LV2014vs LV2006 ³	EU2014vs EU2006 ³
Total economy	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	(0.19)	75	117
ICT sector	0.4	0.2	0.7	0.7	0.7	0.4	0.3	0.6	0.6	(0.13)	146	104
Manufacturing	3.3	3.1	3.3	3.2	4.2	2.0	3.2	3.9	4.3	(0.20)	130	115
Telecommunications	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	(0.00)	-	93
Computer Services	1.5	0.3	1.5	1.7	1.3	0.6	0.3	0.7	0.8	(0.17)	53	130
Wholesale Trade	0.1	0.1	0.3	0.1	0.2	0.1	0.2	0.1	0.0	(0.02)	78	137









Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

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^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

LITHUANIA (LT)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LT/EU 2014 ¹	LT2014vs LT2006 ³	EU2014vs EU2006 ³
Total economy	45	51	52	43	47	52	55	58	61	0.4%	136	114
ICT sector	2	2	2	2	2	1	2	2	2	0.3%	117	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.1%	38	72
Telecommunications	1	1	1	1	1	1	1	1	1	0.4%	77	92
Computer Services	0	0	0	0	0	0	1	1	1	0.2%	268	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.5%	219	113
ICT sector as a % of Total	3.5%	3.3%	3.0%	3.5%	3.4%	2.9%	2.9%	3.0%	3.0%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	LT2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	LT/EU 2014 ¹	LT2006 ³	EU2006 ³
Total economy	1416	1445	1426	1317	1247	1253	1275	1292	1318	0.6%	93	101
ICT sector	17	19	22	19	20	25	26	23	23	0.4%	133	107
Manufacturing	3	3	3	2	2	2	2	1	2	0.3%	50	72
Telecommunications	4	5	7	4	5	7	7	7	7	0.6%	149	93
Computer Services	8	9	10	10	11	13	15	13	12	0.3%	159	124
Wholesale Trade	2	2	2	2	2	2	2	3	3	0.5%	137	97
ICT sector as a % of Total	1.2%	1.3%	1.5%	1.4%	1.6%	2.0%	2.0%	1.8%	1.8%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	LT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	LT/EU 2014 ²	LT2006 ³	EU2006 ³
Total economy	31	35	36	33	38	41	43	45	46	(0.75)	146	113
ICT sector	90	85	70	79	78	60	62	75	79	(0.83)	88	104
Manufacturing	51	45	49	45	54	50	54	43	39	(0.49)	77	101
Telecommunications	231	202	145	222	174	109	116	123	120	(0.73)	52	99
Computer Services	36	37	28	32	40	34	35	52	61	(0.77)	169	112
Wholesale Trade	53	55	57	57	56	63	77	86	86	(1.04)	160	116

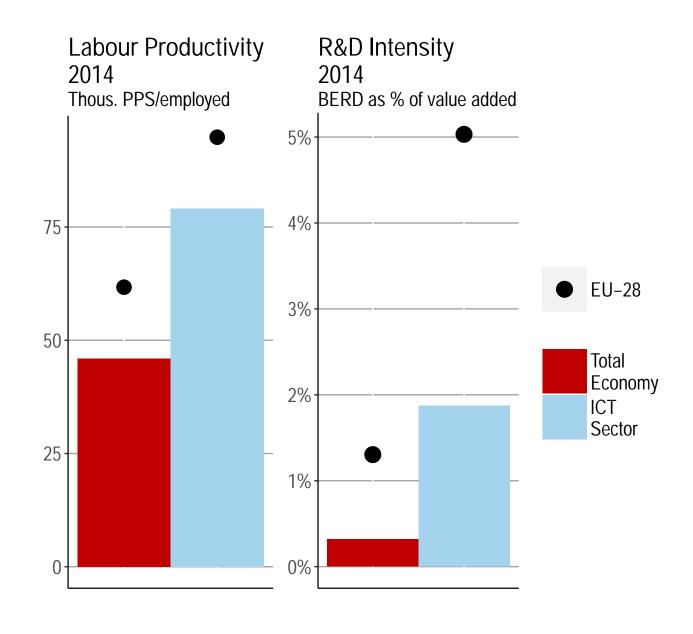
R&D performance

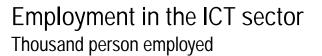
Business expenditure in R&D (BERD – PPS mln)

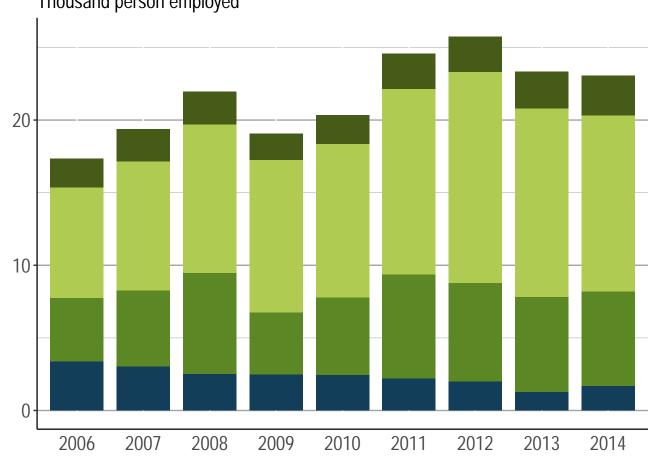
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	LT2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	LT/EU 2014 ¹	LT2006 ³	EU2006 ³
Total economy	98	115	97	88	109	122	133	140	193	0.1%	196	133
ICT sector	8	6	7	9	27	46	20	28	34	0.1%	412	114
Manufacturing	0	3	3	3	2	2	1	2	3	0.0%	1374	83
Telecommunications	0	1	1	0	11	30	6	9	8	0.2%	7777	86
Computer Services	8	2	3	5	13	12	13	15	21	0.1%	268	180
Wholesale Trade	0	0	0	1	1	1	1	2	2	0.3%	904	155
ICT sector as a % of Total	8.4%	5.3%	7.3%	10.5%	24.6%	37.4%	15.2%	20.2%	17.7%			

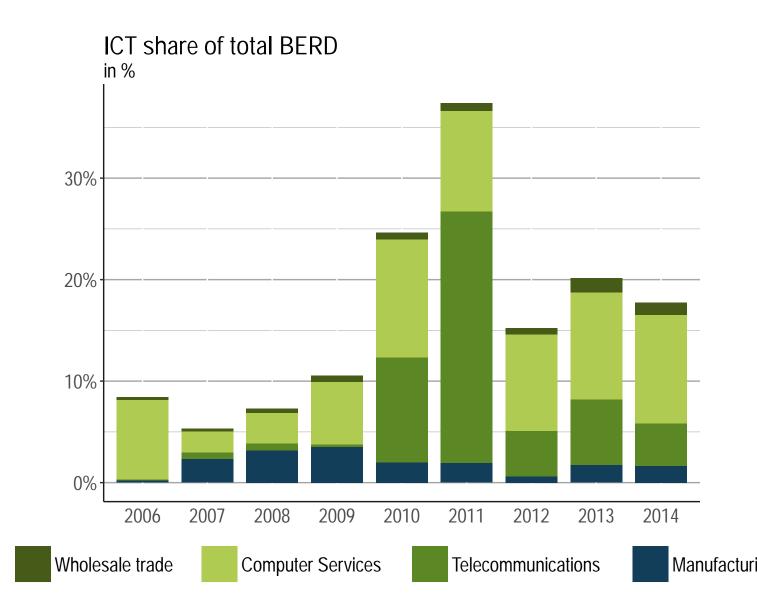
R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	LT2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	LT/EU 2014 ²	LT2006 ³	EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	(0.24)	144	117
ICT sector	0.5	0.4	0.5	0.6	1.7	3.1	1.3	1.6	1.9	(0.37)	353	104
Manufacturing	0.1	2.0	2.5	2.8	1.6	2.1	0.7	4.5	4.8	(0.22)	3586	115
Telecommunications	0.0	0.1	0.1	0.0	1.2	3.9	0.8	1.1	1.0	(0.57)	10053	93
Computer Services	2.8	0.7	1.0	1.6	3.0	2.8	2.5	2.2	2.8	(0.60)	100	130
Wholesale Trade	0.2	0.3	0.3	0.5	0.7	0.6	0.4	0.9	1.0	(0.58)	412	137









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²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

LUXEMBOURG (LU)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	LU2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	LU/EU 2014 ¹	LU2006 ³	EU2006 ³
Total economy	30	32	32	30	33	36	37	38	41	0.3%	138	114
ICT sector	1	2	2	2	2	2	2	2	2	0.4%	169	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	158	72
Telecommunications	1	1	1	1	1	1	1	1	1	0.6%	126	92
Computer Services	0	0	1	0	1	0	0	0	1	0.2%	123	139
Wholesale Trade	0	0	0	0	0	0	0	1	1	1.5%	977	113
ICT sector as a % of Total	4 8%	4 8%	5.2%	5 5%	5.7%	5 3%	5.6%	5.4%	5 9%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LU/EU 2014 ¹	LU2014vs LU2006 ³	EU2014vs EU2006 ³
Total economy	319	333	349	353	359	370	379	386	396	0.2%	124	101
ICT sector	10	12	13	13	13	14	16	16	17	0.3%	167	107
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	_	72
Telecommunications	3	3	3	3	3	3	5	5	5	0.4%	184	93
Computer Services	6	7	8	8	8	9	9	10	10	0.3%	167	124
Wholesale Trade	1	2	2	2	2	2	2	2	2	0.3%	129	97
ICT sector as a % of Total	3.2%	3.5%	3.6%	3.7%	3.7%	3.8%	4.1%	4.2%	4.3%			

Productivity of labour (thous. PPS / person employed)

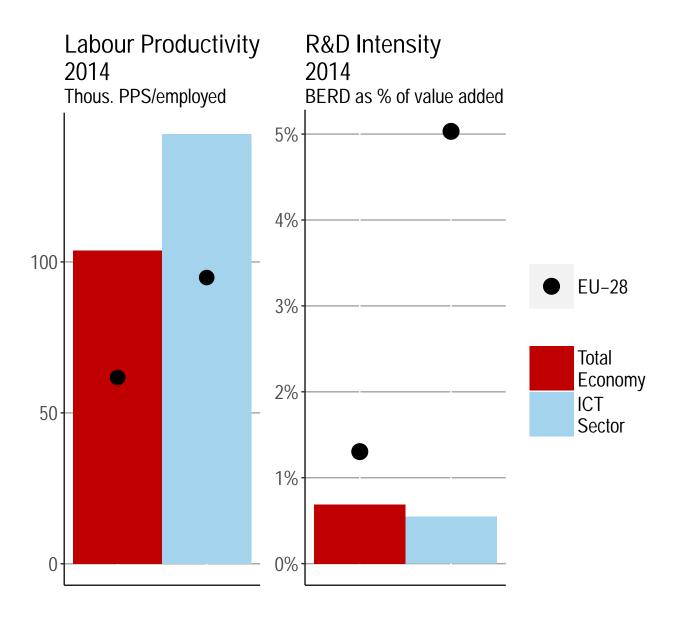
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	LU2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	LU/EU 2014 ²	LU2006 ³	EU2006 ³
Total economy	93	97	93	85	92	98	97	99	104	(1.68)	112	113
ICT sector	141	132	133	126	142	137	130	127	142	(1.50)	101	104
Manufacturing	_	83	25	37	44	44	42	47	45	(0.57)	_	101
Telecommunications	352	367	366	347	379	384	287	237	240	(1.47)	68	99
Computer Services	69	64	67	59	63	37	37	44	51	(0.65)	74	112
Wholesale Trade	52	51	66	72	99	182	206	298	398	(4.83)	760	116

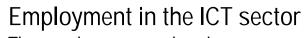
R&D performance

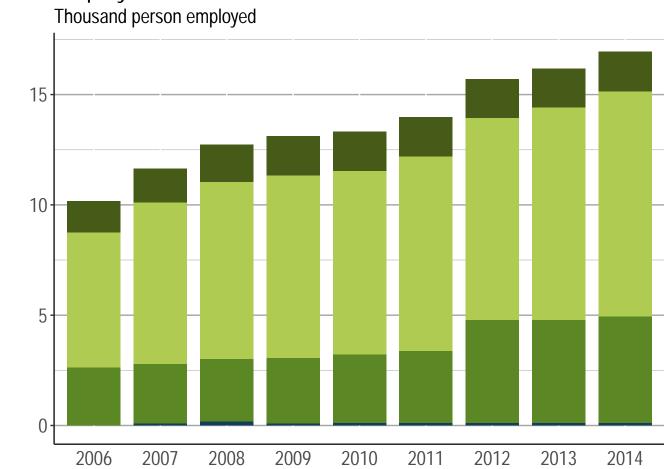
Business expenditure in R&D (BERD – PPS mln)

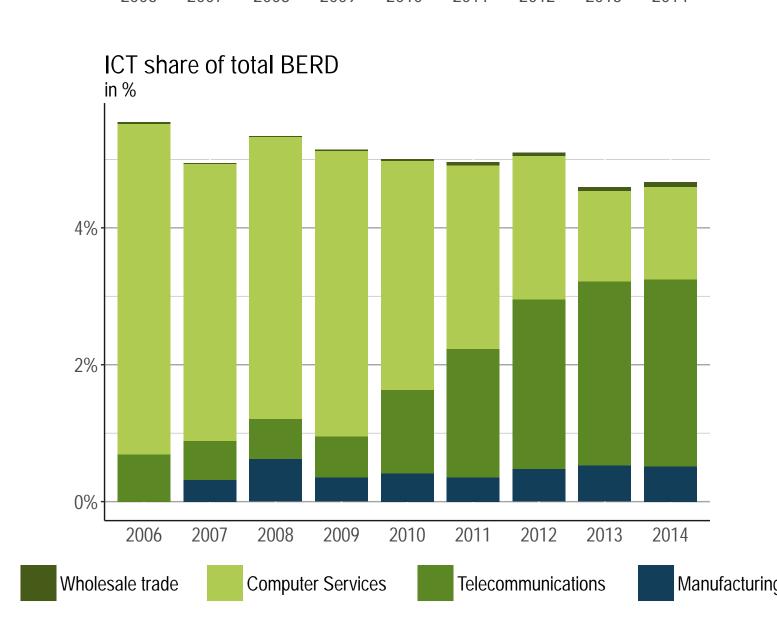
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	LU2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	LU/EU 2014 ¹	LU2006 ³	EU2006 ³
Total economy	432	434	415	390	331	351	260	263	282	0.2%	65	133
ICT sector	24	21	22	20	17	17	13	12	13	0.0%	55	114
Manufacturing	0	1	3	1	1	1	1	1	1	0.0%	_	83
Telecommunications	3	2	2	2	4	7	6	7	8	0.2%	260	86
Computer Services	21	18	17	16	11	9	5	3	4	0.0%	18	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	168	155
ICT sector as a % of Total	5.5%	4.9%	5.3%	5.1%	5.0%	5.0%	5.1%	4.6%	4.7%			

	3		•									
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	LU2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	LU/EU 2014 ²	LU2006 ³	EU2006 ³
Total economy	1.5	1.3	1.3	1.3	1.0	1.0	0.7	0.7	0.7	(0.53)	47	117
ICT sector	1.7	1.4	1.3	1.2	0.9	0.9	0.6	0.6	0.5	(0.11)	33	104
Manufacturing	0.0	16.6	53.8	39.0	28.7	26.2	26.3	27.1	30.1	(1.38)	_	115
Telecommunications	0.3	0.3	0.2	0.2	0.3	0.5	0.5	0.6	0.7	(0.37)	207	93
Computer Services	4.9	3.8	3.2	3.3	2.1	2.9	1.6	0.8	0.7	(0.16)	15	130
Wholesale Trade	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	(0.02)	17	137









Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

MALTA (MT)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share MT/EU 2014 ¹	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	8	8	9	8	9	9	9	10	10	0.1%	129	114
ICT sector	1	1	1	0	1	1	1	1	1	0.1%	109	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.1%	44	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.1%	85	92
Computer Services	0	0	0	0	0	0	0	0	0	0.1%	220	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	143	113
ICT sector as a % of Total	6.5%	6.2%	6.0%	5.7%	6.7%	7.5%	7.2%	5.7%	5.5%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share MT/EU 2014 ¹	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	154	157	161	161	164	169	173	179	188	0.1%	123	101
ICT sector	6	7	7	6	6	7	7	7	8	0.1%	128	107
Manufacturing	3	3	3	2	2	2	2	2	2	0.2%	55	72
Telecommunications	2	2	2	2	2	2	2	2	2	0.2%	96	93
Computer Services	1	1	2	2	2	3	3	4	4	0.1%	301	124
Wholesale Trade	0	0	0	0	0	1	1	1	1	0.1%	366	97
ICT sector as a % of Total	4.1%	4.2%	4.1%	3.9%	3.7%	4.2%	4.1%	4.1%	4.3%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	MT2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	MT/EU 2014 ²	MT2006 ³	EU2006 ³
Total economy	51	52	53	52	55	54	54	54	53	(0.87)	105	113
ICT sector	81	78	77	77	101	96	95	75	69	(0.72)	85	104
Manufacturing	54	64	65	62	119	118	117	69	44	(0.56)	81	101
Telecommunications	111	105	106	96	102	96	98	99	98	(0.60)	89	99
Computer Services	100	79	71	80	94	100	94	75	73	(0.92)	73	112
Wholesale Trade	37	26	37	35	37	21	16	15	14	(0.18)	39	116

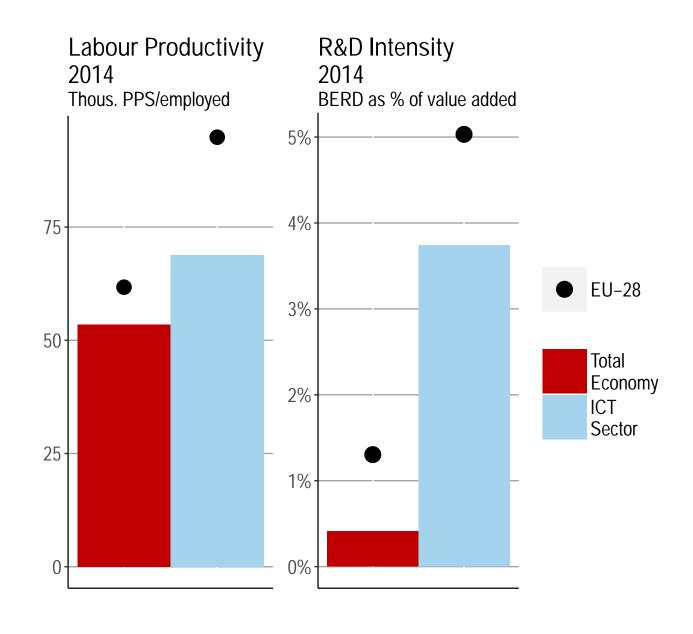
R&D performance

Business expenditure in R&D (BERD – PPS mln)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	MT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	MT/EU 2014 ¹	MT2006 ³	EU2006 ³
Total economy	30	30	30	28	34	40	44	39	42	0.0%	139	133
ICT sector	10	14	12	11	10	15	18	19	21	0.1%	217	114
Manufacturing	5	7	5	5	2	2	2	2	3	0.0%	50	83
Telecommunications	0	0	0	0	0	0	0	0	0	0.0%	132	86
Computer Services	4	7	7	6	9	14	16	17	18	0.1%	428	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	_	155
ICT sector as a % of Total	31.7%	47.3%	40.7%	40.4%	30.6%	38.3%	41.0%	49.7%	49.5%			

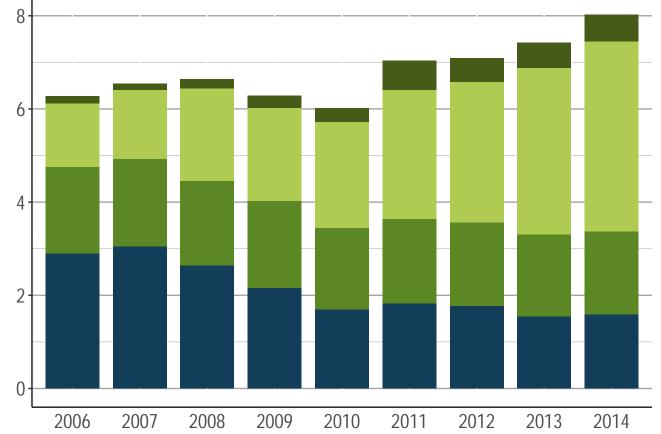
R&D Intensity (BERD as a % of value added)

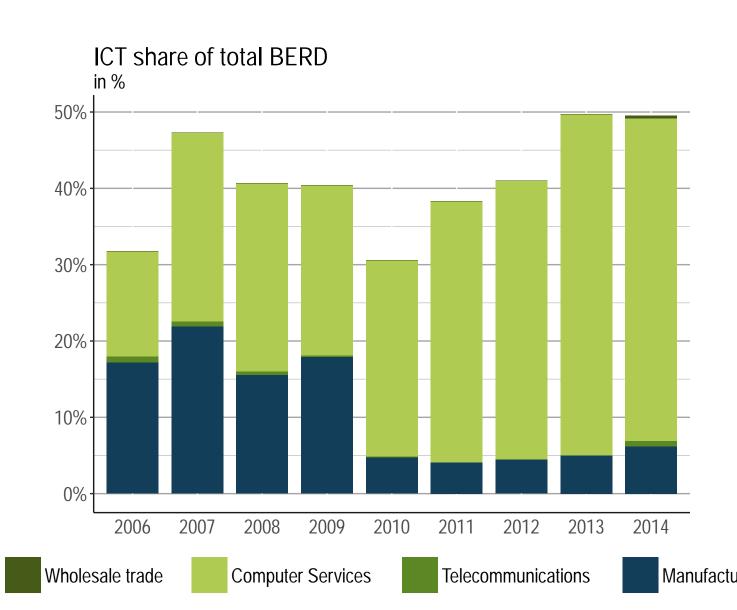
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio MT/EU 2014 ²	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.4	(0.32)	108	117
ICT sector	1.9	2.8	2.4	2.3	1.7	2.2	2.7	3.5	3.7	(0.74)	199	104
Manufacturing	3.3	3.4	2.7	3.7	0.8	0.7	1.0	1.8	3.7	(0.17)	112	115
Telecommunications	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	(0.10)	156	93
Computer Services	3.0	6.3	5.2	3.9	4.0	4.9	5.7	6.5	5.9	(1.27)	195	130
Wholesale Trade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	2.0	(1.19)	_	137



Employment in the ICT sector

Thousand person employed





Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

NETHERLANDS (NL)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share NL/EU 2014 ¹	NL2014vs NL2006 ³	EU2014vs EU2006 ³
Total economy	543	580	593	552	567	584	589	596	606	4.3%	112	114
ICT sector	27	29	29	26	28	28	29	30	29	4.9%	107	110
Manufacturing	2	2	1	1	2	2	1	2	2	3.3%	116	72
Telecommunications	9	9	9	8	8	8	8	7	7	3.9%	79	92
Computer Services	11	12	13	12	12	13	13	14	14	4.6%	133	139
Wholesale Trade	6	6	6	5	6	6	7	7	6	12.3%	101	113
ICT sector as a % of Total	5.0%	5.1%	4.9%	4.7%	4.9%	4.9%	4.9%	5.0%	4.8%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	NL2014vs	EU2014vs
	2000	2007	2000	2007	20.0	_0	_0	_0.0		NL/EU 2014 ¹	NL2006 ³	EU2006 ³
Total economy	8519	8771	8914	8838	8778	8854	8836	8732	8711	3.8%	102	101
ICT sector	257	268	276	269	261	264	270	269	270	4.3%	105	107
Manufacturing	19	19	18	14	11	11	10	10	10	1.5%	52	72
Telecommunications	42	41	39	36	33	32	32	31	31	2.7%	74	93
Computer Services	140	152	163	164	162	166	171	171	176	4.5%	126	124
Wholesale Trade	56	57	56	56	55	55	57	57	53	9.3%	95	97
ICT sector as a % of Total	3.0%	3.1%	3.1%	3.0%	3.0%	3.0%	3.1%	3.1%	3.1%			

Productivity of labour (thous. PPS / person employed)

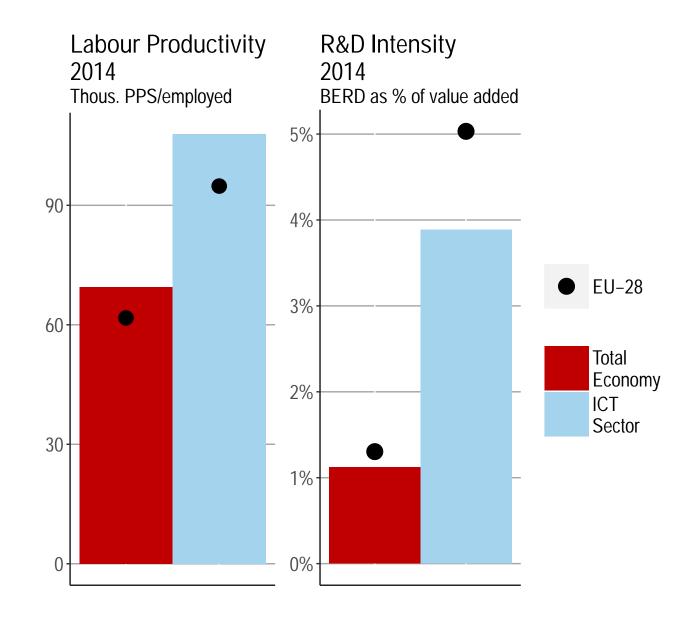
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	NL2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	NL/EU 2014 ²	NL2006 ³	EU2006 ³
Total economy	64	66	66	62	65	66	67	68	70	(1.13)	109	113
ICT sector	106	110	106	97	107	107	108	111	108	(1.14)	102	104
Manufacturing	80	81	62	87	146	149	150	160	178	(2.26)	223	101
Telecommunications	219	231	229	225	249	259	248	242	234	(1.44)	107	99
Computer Services	77	81	80	73	76	76	76	80	81	(1.02)	106	112
Wholesale Trade	102	110	110	89	105	106	115	124	109	(1.32)	107	116

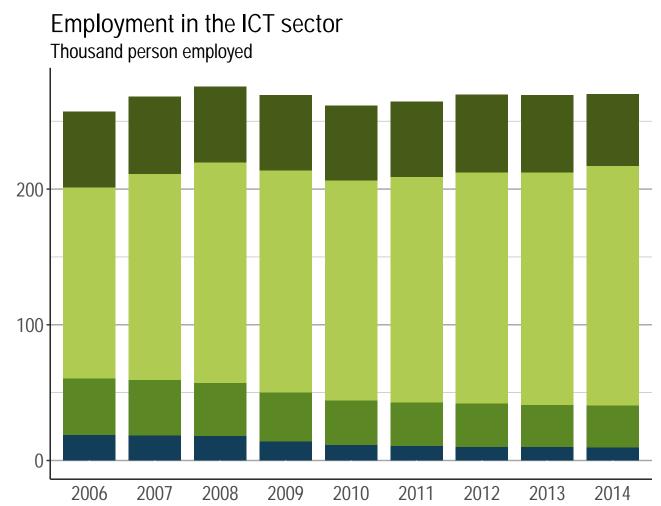
R&D performance

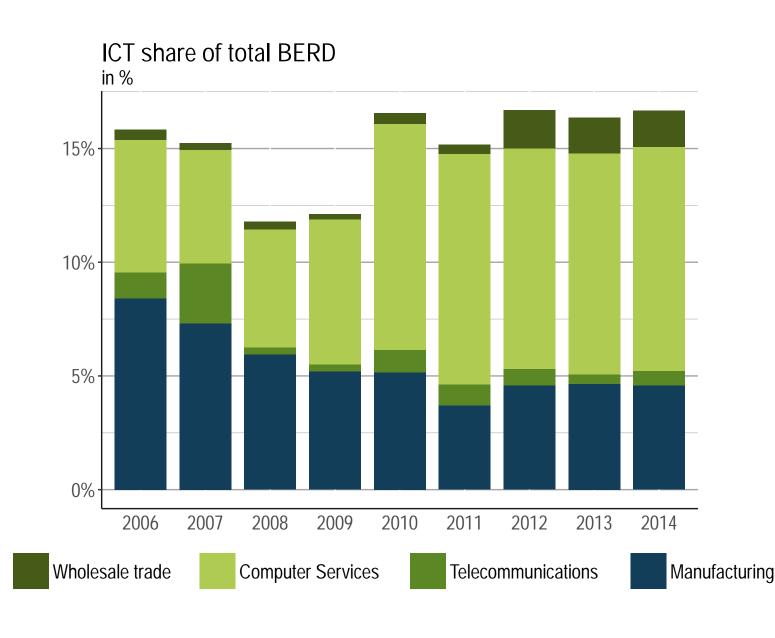
Business expenditure in R&D (BERD – PPS mln)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	NL2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	NL/EU 2014 ¹	NL2006 ³	EU2006 ³
Total economy	5138	5200	4881	4380	4688	6289	6457	6483	6792	3.7%	132	133
ICT sector	814	793	575	531	776	955	1078	1060	1131	3.8%	139	114
Manufacturing	432	380	290	227	242	233	296	301	311	2.7%	72	83
Telecommunications	59	138	15	14	47	58	46	28	44	1.3%	75	86
Computer Services	299	260	253	279	465	638	627	629	668	4.7%	223	180
Wholesale Trade	24	15	17	10	23	26	109	102	108	13.8%	456	155
ICT sector as a % of Total	15.8%	15.2%	11.8%	12.1%	16.6%	15.2%	16.7%	16.3%	16.7%			

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	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	NL2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	NL/EU 2014 ²	NL2006 ³	EU2006 ³
Total economy	0.9	0.9	0.8	0.8	0.8	1.1	1.1	1.1	1.1	(0.86)	119	117
ICT sector	3.0	2.7	2.0	2.0	2.8	3.4	3.7	3.5	3.9	(0.77)	130	104
Manufacturing	28.8	25.1	25.8	18.6	14.6	14.5	19.9	18.6	17.8	(0.82)	62	115
Telecommunications	0.6	1.5	0.2	0.2	0.6	0.7	0.6	0.4	0.6	(0.34)	95	93
Computer Services	2.8	2.1	2.0	2.3	3.8	5.1	4.8	4.6	4.7	(1.01)	168	130
Wholesale Trade	0.4	0.2	0.3	0.2	0.4	0.4	1.7	1.4	1.9	(1.12)	451	137







Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

POLAND (PL)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share PL/EU 2014 ¹	PL2014vs PL2006 ³	EU2014vs EU2006 ³
Total economy	472	523	541	554	606	647	679	688	715	5.1%	151	114
ICT sector	16	16	17	19	19	19	21	23	25	4.1%	155	110
Manufacturing	2	2	2	3	2	2	2	2	2	3.9%	109	72
Telecommunications	9	8	9	9	9	8	8	8	8	4.4%	90	92
Computer Services	5	5	6	6	7	8	10	11	13	4.1%	273	139
Wholesale Trade	0	0	1	1	1	1	1	2	2	3.9%	558	113
ICT sector as a % of Total	3.3%	3.0%	3.2%	3.4%	3.1%	3.0%	3.2%	3.4%	3.4%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	PL2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	PL/EU 2014 ¹	PL2006 ³	EU2006 ³
Total economy	14504	15156	15732	15789	15370	15457	15475	15464	15731	6.9%	108	101
ICT sector	263	294	309	320	312	313	336	351	369	5.9%	140	107
Manufacturing	67	71	75	68	67	66	67	61	58	8.8%	88	72
Telecommunications	94	102	101	104	100	95	93	97	100	8.8%	107	93
Computer Services	99	117	126	141	135	140	164	178	197	5.1%	199	124
Wholesale Trade	4	5	7	8	10	12	12	14	14	2.4%	329	97
ICT sector as a % of Total	1.8%	1.9%	2.0%	2.0%	2.0%	2.0%	2.2%	2.3%	2.3%			

Productivity of labour (thous. PPS / person employed)

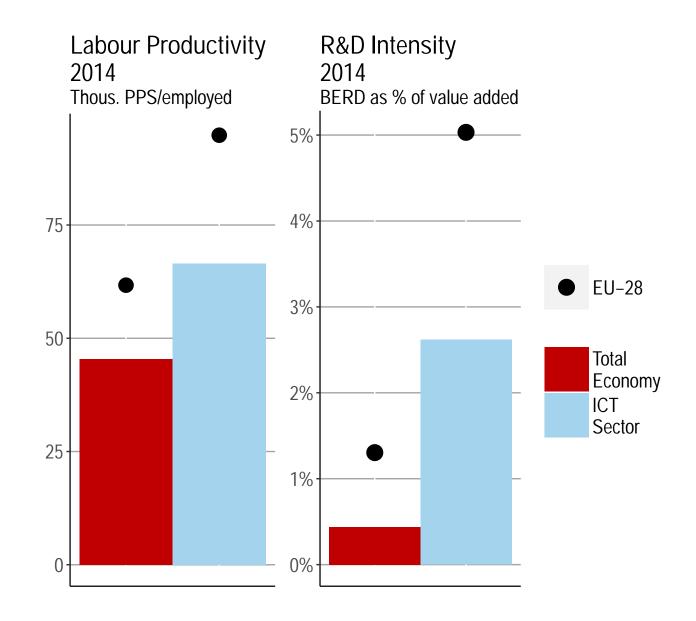
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	PL2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	PL/EU 2014 ²	PL2006 ³	EU2006 ³
Total economy	33	34	34	35	39	42	44	44	45	(0.74)	140	113
ICT sector	60	53	55	59	60	62	64	66	67	(0.70)	111	104
Manufacturing	28	23	26	44	35	32	32	32	35	(0.44)	124	101
Telecommunications	96	82	86	86	86	86	91	81	81	(0.50)	84	99
Computer Services	47	45	47	46	51	56	60	64	64	(0.80)	137	112
Wholesale Trade	79	79	85	73	101	98	94	145	134	(1.63)	170	116

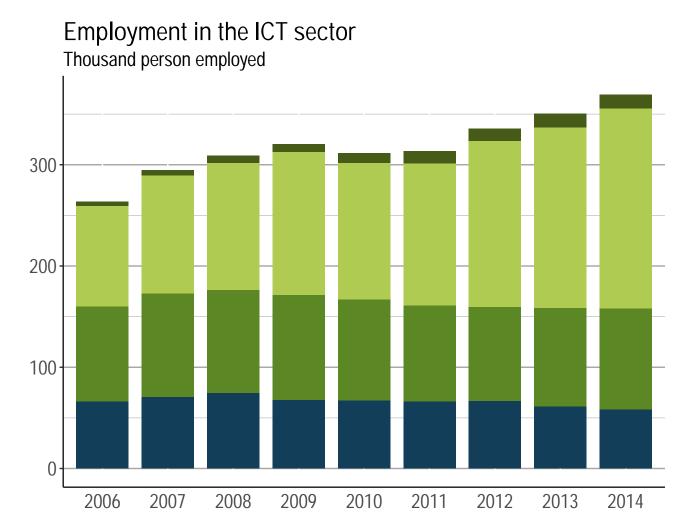
R&D performance

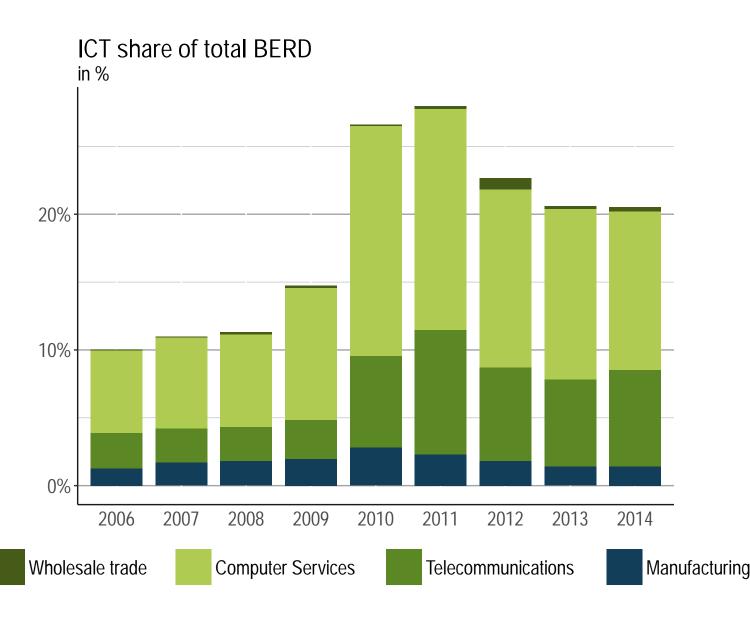
Business expenditure in R&D (BERD – PPS mln)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	PL2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	PL/EU 2014 ¹	PL2006 ³	EU2006 ³
Total economy	820	892	1003	1043	1163	1454	2227	2612	3131	1.7%	382	133
ICT sector	82	98	113	154	310	407	504	538	643	2.2%	781	114
Manufacturing	10	15	18	21	33	33	40	37	44	0.4%	429	83
Telecommunications	22	22	25	30	78	133	154	167	222	6.7%	1028	86
Computer Services	50	60	68	101	197	237	292	328	366	2.6%	734	180
Wholesale Trade	0	1	2	2	1	3	18	5	10	1.3%	2437	155
ICT sector as a % of Total	10.0%	11.0%	11.3%	14.7%	26.6%	28.0%	22.6%	20.6%	20.6%			

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio PL/EU 2014 ²	PL2014vs PL2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	(0.34)	252	117
ICT sector	0.5	0.6	0.7	0.8	1.6	2.1	2.3	2.3	2.6	(0.52)	503	104
Manufacturing	0.6	0.9	1.0	0.7	1.4	1.6	1.9	1.9	2.2	(0.10)	394	115
Telecommunications	0.2	0.3	0.3	0.3	0.9	1.6	1.8	2.1	2.8	(1.52)	1145	93
Computer Services	1.1	1.1	1.2	1.6	2.8	3.0	3.0	2.9	2.9	(0.63)	268	130
Wholesale Trade	0.1	0.1	0.3	0.3	0.1	0.2	1.6	0.3	0.6	(0.33)	436	137







Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

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²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

PORTUGAL (PT)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share PT/EU 2014 ¹	PT2014vs PT2006 ³	EU2014vs EU2006 ³
Total economy	204	216	215	208	217	215	216	216	222	1.6%	109	114
ICT sector	7	7	7	7	7	7	7	7	7	1.2%	100	110
Manufacturing	1	1	1	0	1	0	0	0	0	0.8%	54	72
Telecommunications	4	4	4	4	4	4	4	3	3	1.7%	76	92
Computer Services	2	2	2	2	2	2	2	2	3	0.8%	162	139
Wholesale Trade	0	1	1	1	1	1	1	1	1	1.5%	200	113
ICT sector as a % of Total	3.4%	3.5%	3.4%	3.4%	3.2%	3.3%	3.3%	3.2%	3.1%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	PT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	PT/EU 2014 ¹	PT2006 ³	EU2006 ³
Total economy	5061	5062	5080	4942	4871	4777	4581	4450	4513	2.0%	89	101
ICT sector	57	62	65	67	68	72	74	75	79	1.3%	140	107
Manufacturing	11	11	10	9	8	8	8	8	8	1.2%	72	72
Telecommunications	14	13	14	14	14	14	15	15	15	1.3%	107	93
Computer Services	27	31	34	37	39	42	44	46	50	1.3%	185	124
Wholesale Trade	5	7	8	8	8	8	8	7	7	1.2%	139	97
ICT sector as a % of Total	1.1%	1.2%	1.3%	1.4%	1.4%	1.5%	1.6%	1.7%	1.8%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	PT2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	PT/EU 2014 ²	PT2006 ³	EU2006 ³
Total economy	40	43	42	42	45	45	47	48	49	(0.80)	122	113
ICT sector	122	121	114	106	103	98	96	91	87	(0.92)	71	104
Manufacturing	75	84	77	56	76	59	54	56	55	(0.70)	74	101
Telecommunications	301	322	302	288	260	270	249	224	215	(1.32)	71	99
Computer Services	60	58	57	55	55	53	54	52	52	(0.66)	87	112
Wholesale Trade	72	84	76	82	82	80	89	108	103	(1.25)	144	116

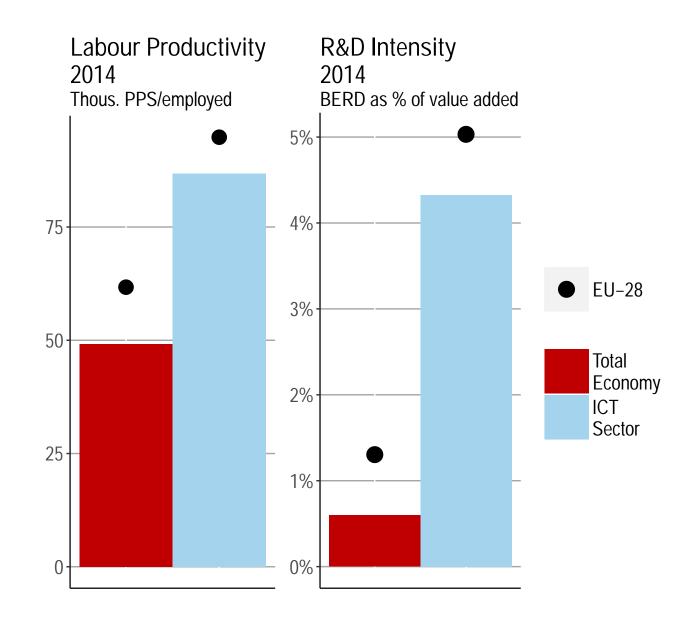
R&D performance

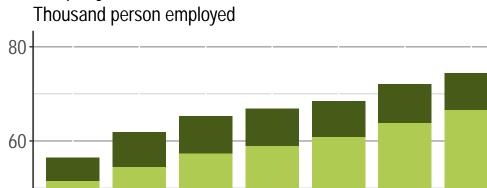
Business expenditure in R&D (BERD – PPS mln)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	PT2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	PT/EU 2014 ¹	PT2006 ³	EU2006 ³
Total economy	906	1243	1558	1557	1529	1481	1477	1358	1329	0.7%	147	133
ICT sector	223	306	386	460	481	490	437	354	298	1.0%	134	114
Manufacturing	58	33	34	22	20	27	29	26	31	0.3%	54	83
Telecommunications	83	147	180	259	221	257	175	136	64	1.9%	76	86
Computer Services	78	122	170	179	174	138	166	166	183	1.3%	234	180
Wholesale Trade	4	3	3	1	66	67	67	26	20	2.6%	566	155
ICT sector as a % of Total	24.7%	24.6%	24.7%	29.5%	31.4%	33.1%	29.6%	26.1%	22.4%			

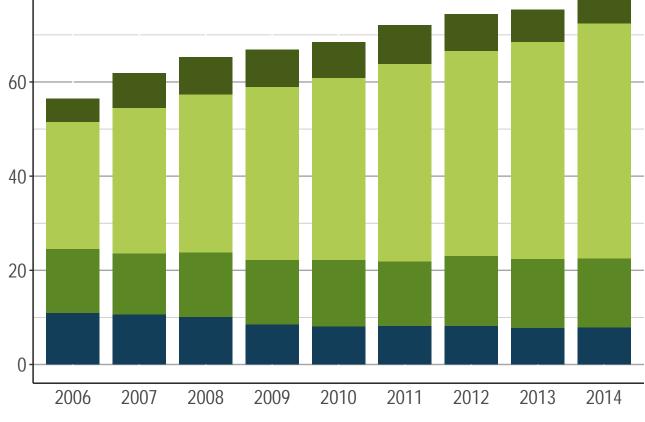
R&D Intensity (BERD as a % of value added)

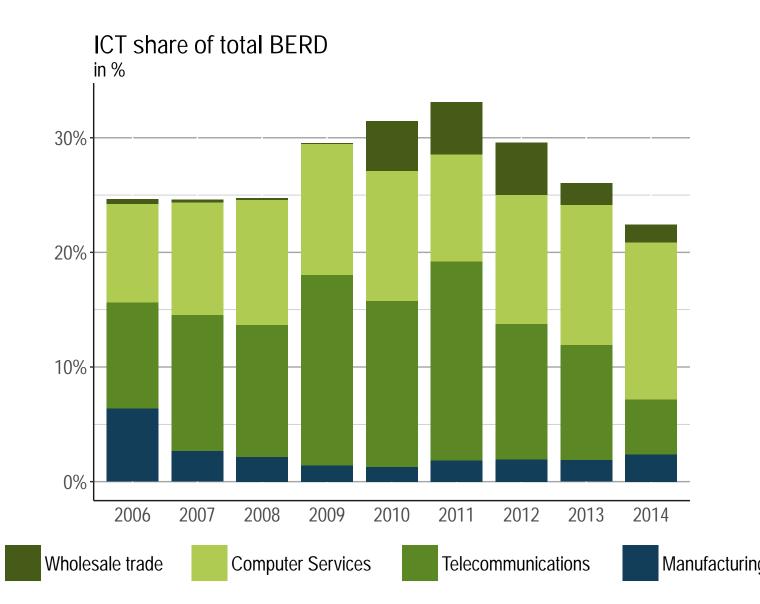
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	PT2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	PT/EU 2014 ²	PT2006 ³	EU2006 ³
Total economy	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	(0.46)	135	117
ICT sector	3.2	4.1	5.2	6.5	6.8	6.9	6.1	5.2	4.3	(0.86)	133	104
Manufacturing	7.1	3.7	4.3	4.5	3.3	5.7	6.4	5.9	7.2	(0.33)	101	115
Telecommunications	2.0	3.5	4.3	6.6	6.0	6.9	4.8	4.2	2.0	(1.13)	100	93
Computer Services	4.9	6.8	8.9	8.9	8.1	6.2	7.1	6.9	7.0	(1.51)	144	130
Wholesale Trade	1.0	0.5	0.4	0.2	10.6	10.2	9.6	3.5	2.8	(1.70)	283	137





Employment in the ICT sector





Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

ROMANIA (RO)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share RO/EU 2014 ¹	RO2014vs RO2006 ³	EU2014vs EU2006 ³
Total economy	197	224	257	242	256	268	287	289	302	2.2%	153	114
ICT sector	8	12	14	12	14	13	13	16	17	2.9%	204	110
Manufacturing	1	1	1	2	3	2	1	1	1	2.3%	142	72
Telecommunications	5	6	6	6	5	5	4	5	5	2.9%	104	92
Computer Services	2	5	6	4	6	6	7	9	10	3.2%	483	139
Wholesale Trade	0	0	0	0	0	0	1	1	1	1.5%	213	113
ICT sector as a % of Total	4.2%	5.3%	5.4%	5.0%	5.3%	5.0%	4.4%	5.4%	5.6%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	RO2014vs	EU2014vs
	2000	2007	2000	_00,	_0.0	_0	_0	_0.0	_0	RO/EU 2014 ¹	RO2006 ³	EU2006 ³
Total economy	9331	9365	9366	9181	9156	9082	8645	8569	8638	3.8%	93	101
ICT sector	159	168	159	142	133	145	169	173	177	2.8%	111	107
Manufacturing	52	58	55	37	28	31	33	37	38	5.7%	72	72
Telecommunications	68	68	66	44	41	40	54	52	54	4.8%	80	93
Computer Services	28	30	24	51	58	68	75	76	77	2.0%	276	124
Wholesale Trade	11	13	14	11	6	7	7	7	8	1.3%	72	97
ICT sector as a % of Total	1.7%	1.8%	1.7%	1.5%	1.4%	1.6%	2.0%	2.0%	2.0%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	RO2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	RO/EU 2014 ²	RO2006 ³	EU2006 ³
Total economy	21	24	27	26	28	29	33	34	35	(0.57)	166	113
ICT sector	53	71	87	86	103	93	75	91	96	(1.02)	183	104
Manufacturing	16	19	24	42	100	73	25	37	32	(0.41)	196	101
Telecommunications	76	83	90	134	111	115	75	92	99	(0.61)	130	99
Computer Services	72	163	259	87	105	95	95	116	126	(1.59)	175	112
Wholesale Trade	31	33	34	40	27	25	92	81	91	(1.10)	296	116

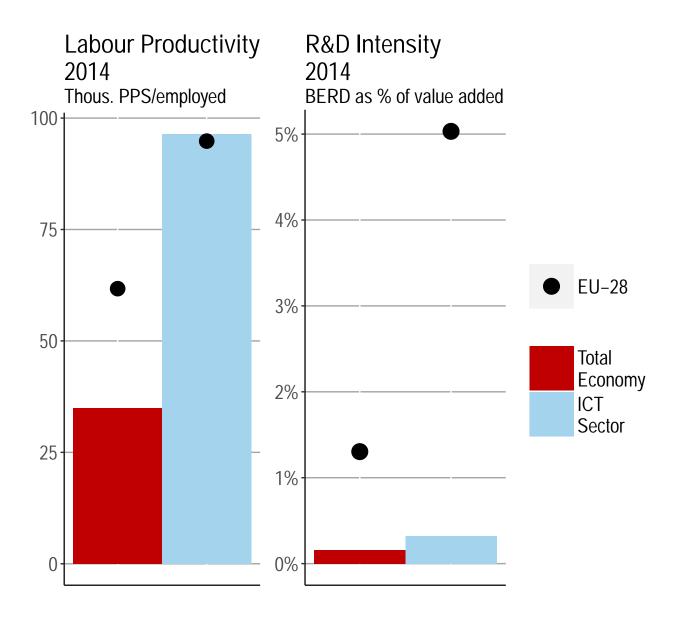
R&D performance

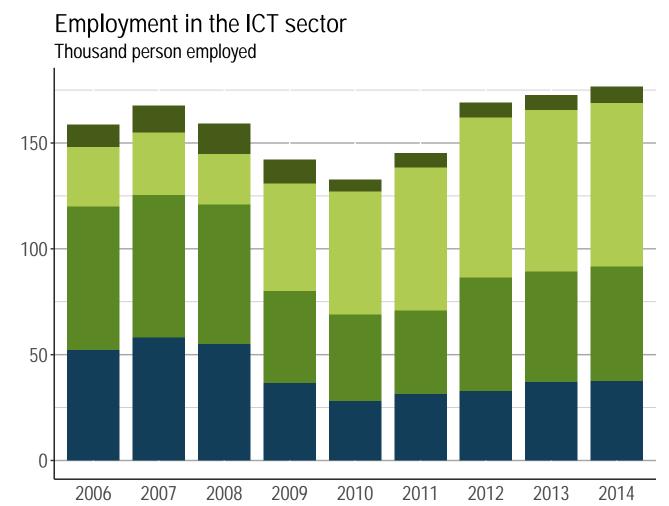
Business expenditure in R&D (BERD – PPS mln)

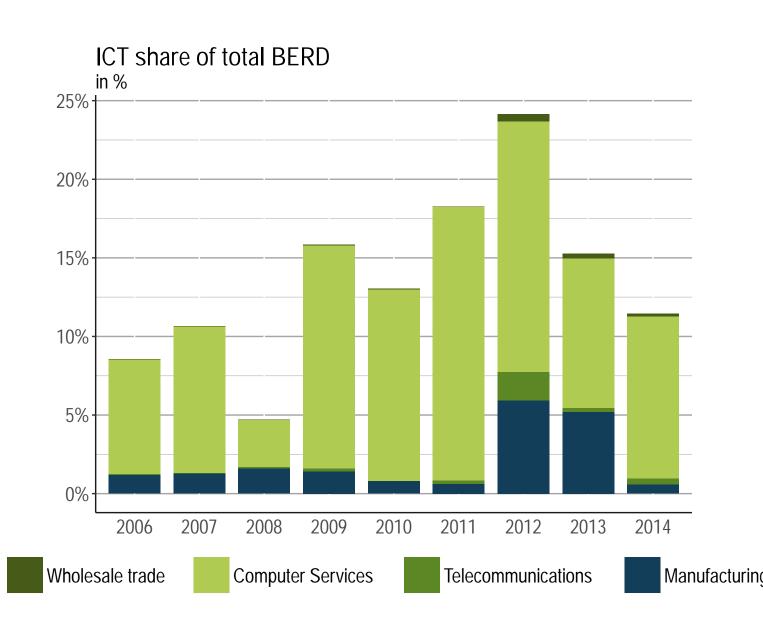
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	RO2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	RO/EU 2014 ¹	RO2006 ³	EU2006 ³
Total economy	431	486	437	450	443	476	539	342	479	0.3%	111	133
ICT sector	37	52	20	71	58	87	130	52	55	0.2%	149	114
Manufacturing	5	6	7	6	4	3	32	18	3	0.0%	55	83
Telecommunications	0	0	0	1	0	1	10	1	2	0.1%	602	86
Computer Services	31	45	13	64	54	83	86	33	49	0.3%	158	180
Wholesale Trade	0	0	0	0	0	0	2	1	1	0.1%	_	155
ICT sector as a % of Total	8.5%	10.6%	4.7%	15.8%	13.0%	18.3%	24.2%	15.3%	11.5%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio RO/EU 2014 ²	RO2014vs RO2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	(0.12)	72	117
ICT sector	0.4	0.4	0.1	0.6	0.4	0.6	1.0	0.3	0.3	(0.06)	73	104
Manufacturing	0.6	0.6	0.5	0.4	0.1	0.1	3.8	1.3	0.2	(0.01)	39	115
Telecommunications	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	(0.02)	580	93
Computer Services	1.5	0.9	0.2	1.4	0.9	1.3	1.2	0.4	0.5	(0.11)	33	130
Wholesale Trade	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.2	0.1	(0.07)	-	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

SLOVAKIA (SK)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SK/EU 2014 ¹	SK2014vs SK2006 ³	EU2014vs EU2006 ³
Total economy	83	94	100	94	101	103	107	110	115	0.8%	139	114
ICT sector	4	4	5	4	5	5	5	5	5	0.8%	137	110
Manufacturing	1	1	1	1	1	1	1	1	1	1.6%	140	72
Telecommunications	2	2	2	2	2	2	2	2	2	0.9%	108	92
Computer Services	1	2	2	2	2	2	2	2	2	0.7%	176	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.6%	112	113
ICT sector as a % of Total	4.3%	4.4%	4.8%	4.7%	4.7%	4.6%	4.7%	4.4%	4.3%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	SK2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	SK/EU 2014 ¹	SK2006 ³	EU2006 ³
Total economy	2132	2177	2247	2203	2170	2208	2209	2192	2223	1.0%	104	101
ICT sector	57	61	66	69	60	63	62	64	65	1.0%	114	107
Manufacturing	16	17	20	20	18	15	14	14	13	1.9%	82	72
Telecommunications	10	9	10	10	10	10	10	11	11	1.0%	115	93
Computer Services	26	28	32	33	30	34	35	37	37	1.0%	143	124
Wholesale Trade	5	6	5	6	3	3	3	3	3	0.6%	62	97
ICT sector as a % of Total	2.7%	2.8%	2.9%	3.1%	2.8%	2.8%	2.8%	2.9%	2.9%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	SK2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	SK/EU 2014 ²	SK2006 ³	EU2006 ³
Total economy	39	43	45	43	47	47	48	50	52	(0.84)	133	113
ICT sector	63	68	73	64	79	76	82	77	76	(0.80)	120	104
Manufacturing	38	30	51	30	52	57	60	53	65	(0.83)	171	101
Telecommunications	154	169	174	170	175	164	167	150	145	(0.89)	94	99
Computer Services	47	59	57	55	63	60	68	64	58	(0.73)	123	112
Wholesale Trade	46	63	69	51	90	57	69	82	83	(1.01)	181	116

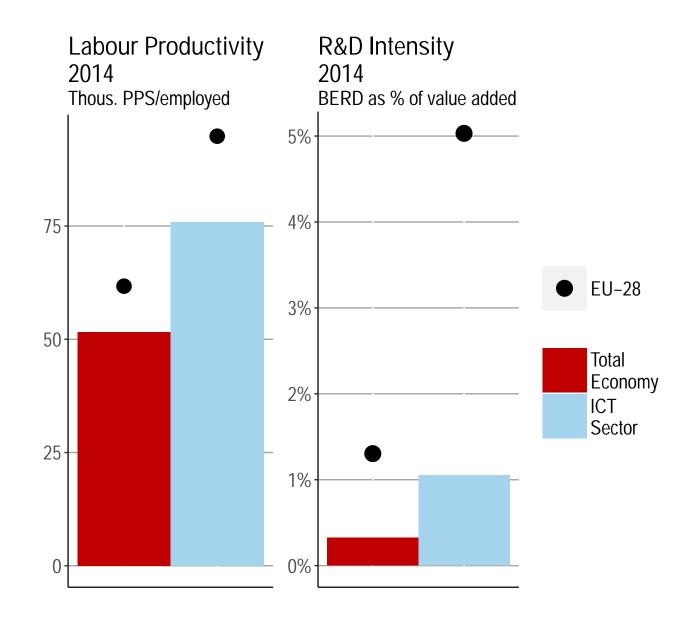
R&D performance

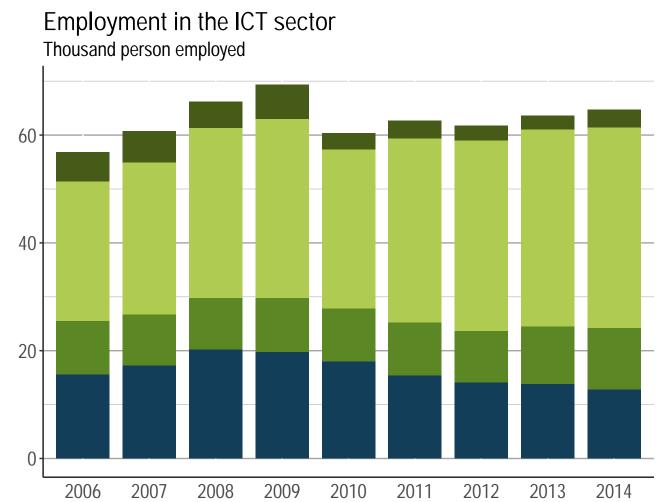
Business expenditure in R&D (BERD – PPS mln)

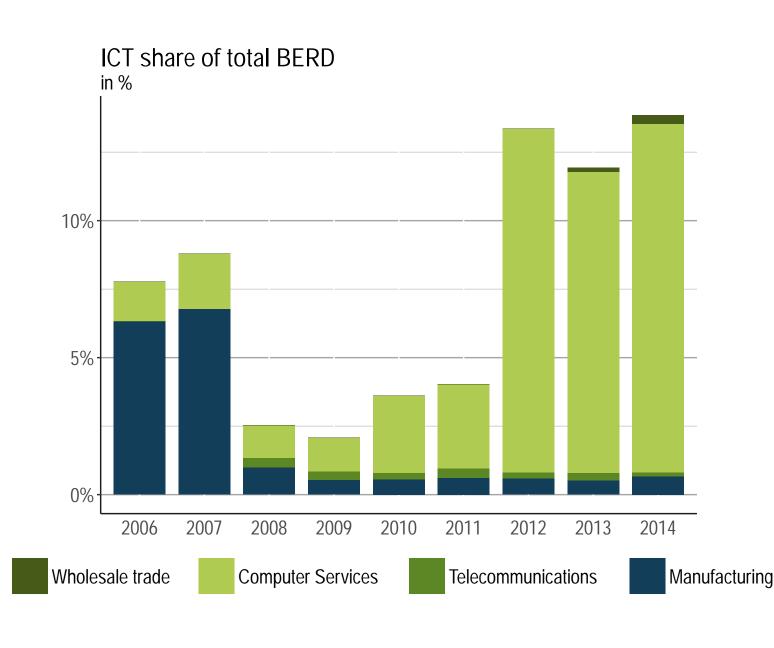
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	SK2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	SK/EU 2014 ¹	SK2006 ³	EU2006 ³
Total economy	169	166	199	183	262	253	357	419	373	0.2%	221	133
ICT sector	13	15	5	4	9	10	48	50	52	0.2%	393	114
Manufacturing	11	11	2	1	1	2	2	2	3	0.0%	24	83
Telecommunications	0	0	1	1	1	1	1	1	0	0.0%	_	86
Computer Services	2	3	2	2	7	8	45	46	47	0.3%	1950	180
Wholesale Trade	0	0	0	0	0	0	0	1	1	0.2%	_	155
ICT sector as a % of Total	7.8%	8.8%	2.5%	2.1%	3.6%	4.0%	13.3%	11.9%	13.9%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SK/EU 2014 ²	SK2014vs SK2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.3	(0.25)	159	117
ICT sector	0.4	0.4	0.1	0.1	0.2	0.2	0.9	1.0	1.1	(0.21)	287	104
Manufacturing	1.8	2.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	(0.01)	17	115
Telecommunications	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	(0.02)	-	93
Computer Services	0.2	0.2	0.1	0.1	0.4	0.4	1.9	2.0	2.2	(0.48)	1106	130
Wholesale Trade	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	(0.26)	-	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

SLOVENIA (SI)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SI/EU 2014 ¹	SI2014vs SI2006 ³	EU2014vs EU2006 ³
Total economy	42	45	47	42	43	44	44	44	47	0.3%	110	114
ICT sector	1	2	2	1	1	2	2	2	2	0.3%	118	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.4%	86	72
Telecommunications	1	1	1	1	1	1	1	1	1	0.4%	94	92
Computer Services	0	1	1	1	1	1	1	1	1	0.2%	163	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.1%	157	113
ICT sector as a % of Total	3.4%	3.4%	3.4%	3.3%	3.5%	3.4%	3.5%	3.5%	3.6%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	SI2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	SI/EU 2014 ¹	SI2006 ³	EU2006 ³
Total economy	944	976	1001	983	962	946	937	927	931	0.4%	99	101
ICT sector	20	22	23	24	24	23	24	24	25	0.4%	122	107
Manufacturing	5	5	5	5	5	4	4	4	4	0.6%	76	72
Telecommunications	5	5	5	5	5	5	5	5	5	0.5%	108	93
Computer Services	9	10	12	12	13	13	14	14	15	0.4%	158	124
Wholesale Trade	1	1	1	1	1	1	1	1	1	0.2%	88	97
ICT sector as a % of Total	2.2%	2.2%	2.3%	2.5%	2.5%	2.5%	2.5%	2.6%	2.7%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	SI2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	SI/EU 2014 ²	SI2006 ³	EU2006 ³
Total economy	45	46	47	43	45	47	47	48	50	(0.81)	112	113
ICT sector	69	70	70	57	63	65	66	64	67	(0.71)	97	104
Manufacturing	41	41	42	29	40	42	39	41	46	(0.58)	112	101
Telecommunications	143	145	141	115	125	132	133	126	125	(0.77)	87	99
Computer Services	50	52	51	46	48	49	50	49	52	(0.66)	103	112
Wholesale Trade	36	45	65	43	51	42	51	52	64	(0.78)	179	116

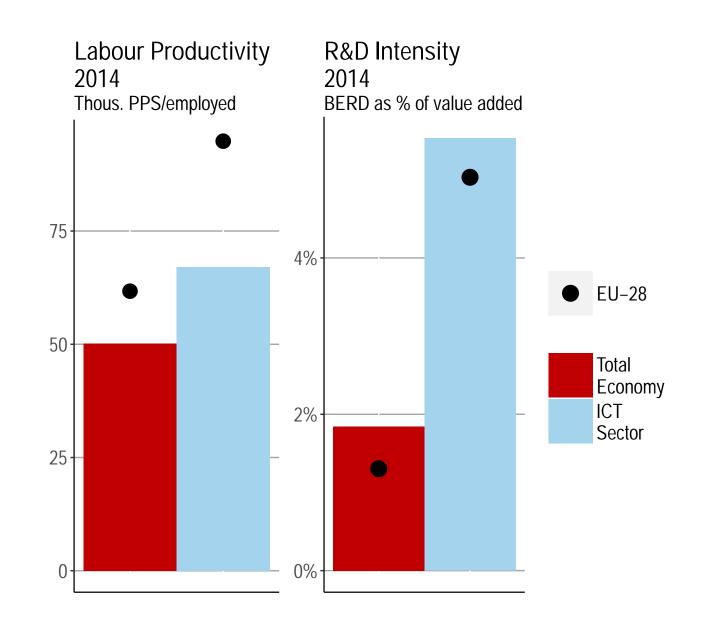
R&D performance

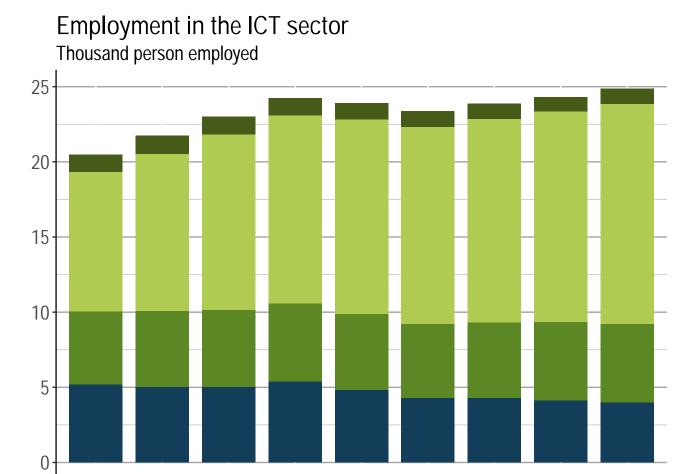
Business expenditure in R&D (BERD – PPS mln)

	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	SI2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	SI/EU 2014 ¹	SI2006 ³	EU2006 ³
Total economy	390	386	490	495	602	790	866	882	861	0.5%	221	133
ICT sector	51	52	59	57	65	86	76	74	92	0.3%	180	114
Manufacturing	43	42	40	31	33	36	34	35	34	0.3%	78	83
Telecommunications	0	0	1	2	6	3	2	2	9	0.3%	_	86
Computer Services	8	10	18	22	24	46	39	36	48	0.3%	624	180
Wholesale Trade	0	0	0	3	2	2	1	1	1	0.1%	_	155
ICT sector as a % of Total	13.1%	13.6%	12.1%	11.6%	10.7%	10.9%	8.8%	8.4%	10.7%			

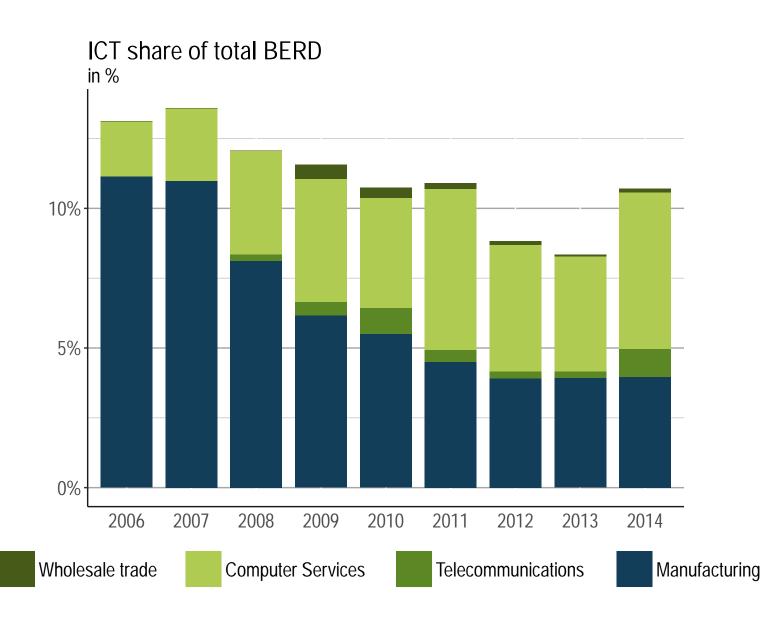
R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SI/EU 2014 ²	SI2014vs SI2006 ³	EU2014vs EU2006 ³
Total economy	0.9	0.9	1.0	1.2	1.4	1.8	2.0	2.0	1.8	(1.41)	200	117
ICT sector	3.6	3.4	3.7	4.2	4.3	5.7	4.9	4.7	5.5	(1.10)	153	104
Manufacturing	20.3	20.6	19.1	19.3	17.3	20.0	20.1	20.5	18.6	(0.85)	91	115
Telecommunications	0.0	0.0	0.2	0.4	0.9	0.5	0.3	0.3	1.3	(0.73)	_	93
Computer Services	1.7	1.9	3.0	3.8	3.8	7.2	5.8	5.3	6.3	(1.36)	383	130
Wholesale Trade	0.0	0.0	0.0	5.1	3.9	3.8	2.3	1.2	1.8	(1.09)	_	137





2006 2007 2008 2009 2010 2011 2012 2013 2014



¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

SPAIN (ES)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	ES2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2013	2014	ES/EU 2014 ¹	ES2006 ³	EU2006 ³
Total economy	1115	1204	1211	1144	1150	1147	1137	1124	1158	8.3%	104	114
ICT sector	40	44	45	44	42	43	43	43	43	7.2%	107	110
Manufacturing	2	2	2	2	2	2	2	2	2	3.4%	88	72
Telecommunications	21	22	22	22	21	20	20	19	18	9.9%	88	92
Computer Services	14	15	16	16	16	17	18	18	19	6.2%	137	139
Wholesale Trade	3	3	4	4	3	4	4	4	4	7.5%	110	113
ICT sector as a % of Total	3.6%	3.6%	3.7%	3.9%	3.7%	3.7%	3.8%	3.8%	3.7%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	ES2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	ES/EU 2014 ¹	ES2006 ³	EU2006 ³
Total economy	20609	21285	21324	19987	19640	19112	18343	17862	18022	8.0%	87	101
ICT sector	404	414	440	429	437	446	435	430	416	6.6%	103	107
Manufacturing	37	38	33	30	31	29	26	24	23	3.5%	62	72
Telecommunications	66	65	74	75	77	76	72	69	68	6.0%	104	93
Computer Services	244	248	259	258	266	276	275	277	267	6.9%	109	124
Wholesale Trade	57	64	74	66	64	65	63	60	57	10.1%	101	97
ICT sector as a % of Total	2.0%	1.9%	2.1%	2.1%	2.2%	2.3%	2.4%	2.4%	2.3%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	ES2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	ES/EU 2014 ²	ES2006 ³	EU2006 ³
Total economy	54	57	57	57	59	60	62	63	64	(1.04)	119	113
ICT sector	99	105	102	103	97	95	99	100	103	(1.09)	104	104
Manufacturing	54	60	69	69	66	61	63	69	77	(0.97)	143	101
Telecommunications	317	345	303	293	277	270	282	281	268	(1.64)	84	99
Computer Services	58	62	63	64	60	60	64	66	72	(0.91)	125	112
Wholesale Trade	57	54	55	56	54	56	58	61	61	(0.75)	108	116

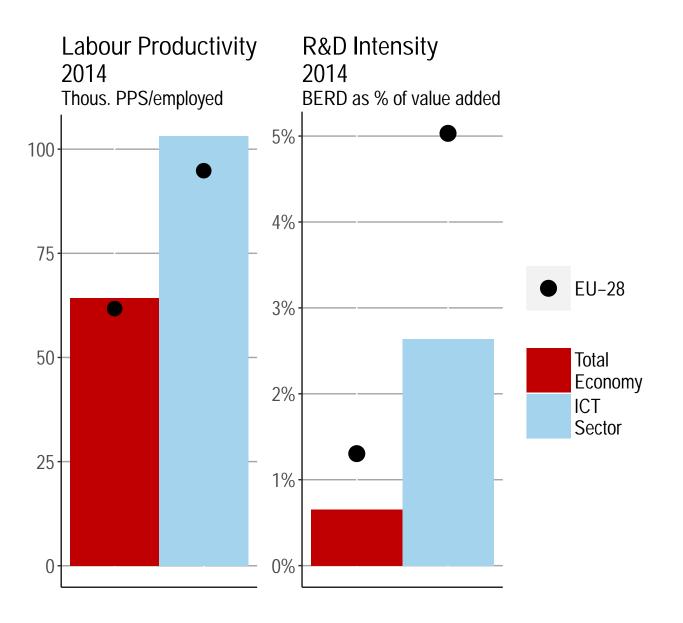
R&D performance

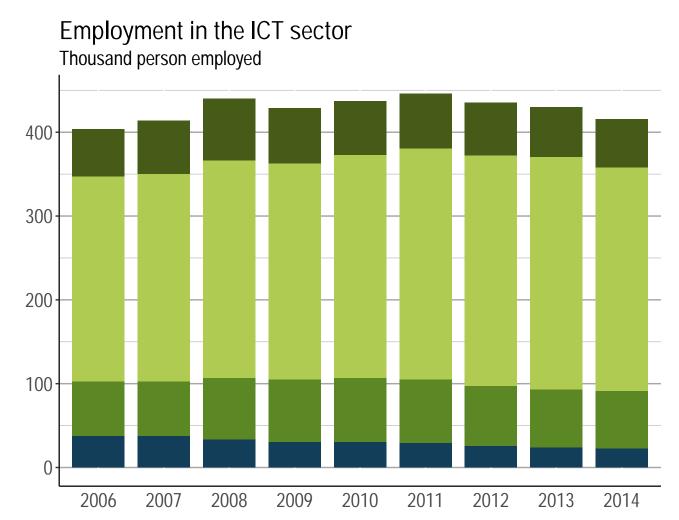
Business expenditure in R&D (BERD – PPS mln)

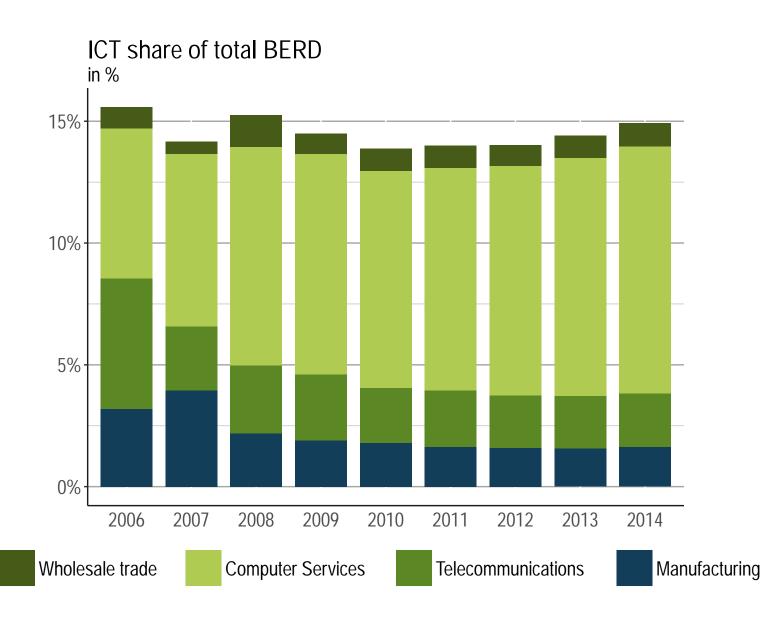
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	ES2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	ES/EU 2014 ¹	ES2006 ³	EU2006 ³
Total economy	7255	8302	8758	8023	7985	7926	7757	7568	7578	4.2%	104	133
ICT sector	1131	1175	1336	1163	1108	1110	1088	1090	1131	3.8%	100	114
Manufacturing	231	328	191	152	143	129	123	119	124	1.1%	54	83
Telecommunications	388	219	245	218	182	184	168	164	166	5.0%	43	86
Computer Services	447	586	784	726	711	725	731	738	769	5.4%	172	180
Wholesale Trade	64	42	115	67	74	72	67	69	72	9.2%	113	155
ICT sector as a % of Total	15.6%	14.2%	15.3%	14.5%	13.9%	14.0%	14.0%	14.4%	14.9%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio ES/EU 2014 ²	ES2014vs ES2006 ³	EU2014vs EU2006 ³
Total economy	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	(0.50)	101	117
ICT sector	2.8	2.7	3.0	2.6	2.6	2.6	2.5	2.5	2.6	(0.52)	94	104
Manufacturing	11.6	14.6	8.4	7.2	7.1	7.3	7.6	7.1	7.0	(0.32)	61	115
Telecommunications	1.9	1.0	1.1	1.0	0.9	0.9	0.8	0.8	0.9	(0.50)	49	93
Computer Services	3.2	3.8	4.8	4.4	4.5	4.3	4.2	4.0	4.0	(0.86)	125	130
Wholesale Trade	2.0	1.2	2.9	1.8	2.1	2.0	1.8	1.9	2.0	(1.22)	103	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

SWEDEN (SE)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SE/EU 2014 ¹	SE2014vs SE2006 ³	EU2014vs EU2006 ³
Total economy	278	301	302	277	299	312	320	319	328	2.3%	118	114
ICT sector	17	18	18	17	18	19	19	20	21	3.5%	122	110
Manufacturing	5	5	5	5	6	5	5	5	5	10.3%	101	72
Telecommunications	3	3	3	3	3	3	4	3	4	2.0%	116	92
Computer Services	7	8	8	8	8	9	9	10	10	3.3%	144	139
Wholesale Trade	1	1	1	1	1	1	1	1	1	2.8%	102	113
ICT sector as a % of Total	6.1%	5.9%	6.0%	6.0%	6.1%	6.1%	5.9%	6.1%	6.3%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	SE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	SE/EU 2014 ¹	SE2006 ³	EU2006 ³
Total economy	4423	4524	4565	4455	4498	4594	4627	4672	4737	2.1%	107	101
ICT sector	173	176	182	176	174	175	181	182	185	3.0%	107	107
Manufacturing	30	30	32	31	31	30	31	31	31	4.6%	103	72
Telecommunications	27	26	25	24	22	21	21	21	22	1.9%	82	93
Computer Services	94	99	105	102	103	106	110	111	114	2.9%	121	124
Wholesale Trade	22	21	21	19	18	18	19	19	18	3.2%	82	97
ICT sector as a % of Total	3.9%	3.9%	4.0%	4.0%	3.9%	3.8%	3.9%	3.9%	3.9%			

Productivity of labour (thous. PPS / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	SE2014vs	EU2014vs
	2000	2007	2000	2009	2010	2011	2012	2013	2014	SE/EU 2014 ²	SE2006 ³	EU2006 ³
Total economy	63	67	66	62	66	68	69	68	69	(1.12)	110	113
ICT sector	98	101	100	94	105	108	105	108	112	(1.18)	114	104
Manufacturing	181	177	165	146	180	175	148	166	177	(2.25)	98	101
Telecommunications	115	121	123	127	153	162	167	164	164	(1.01)	142	99
Computer Services	76	79	80	76	79	84	86	87	90	(1.14)	119	112
Wholesale Trade	59	68	72	61	67	72	74	70	73	(0.88)	124	116

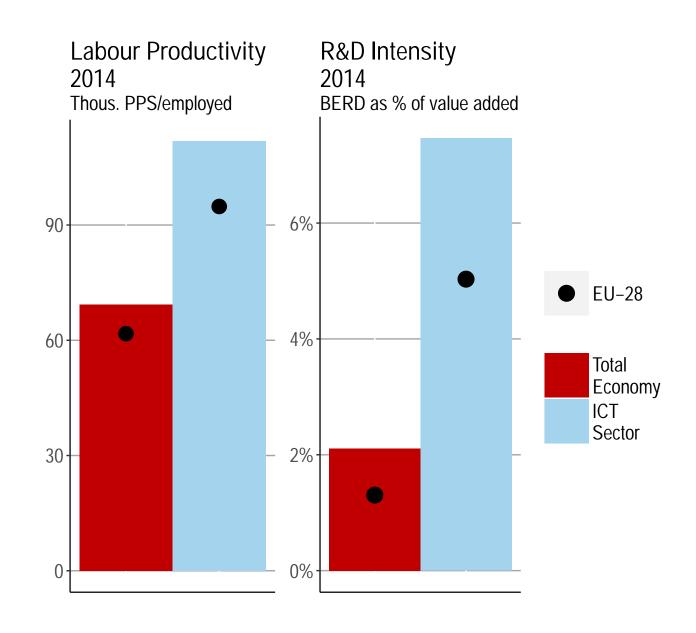
R&D performance

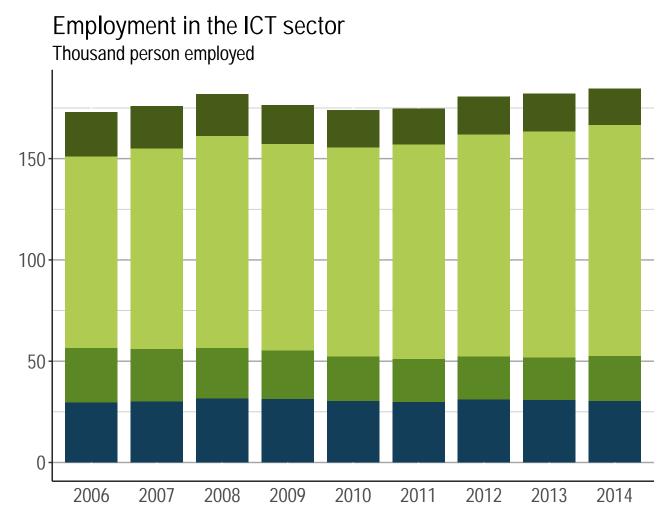
Business expenditure in R&D (BERD – PPS mln)

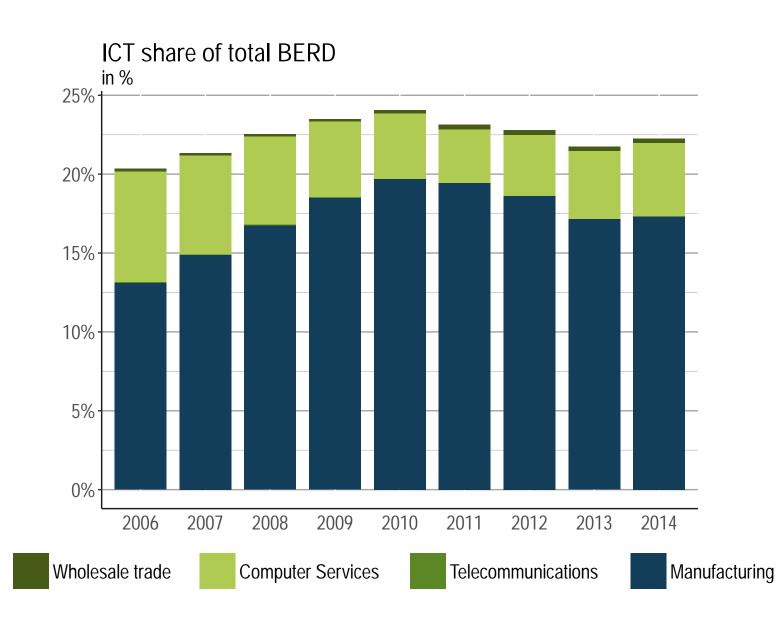
	2004	2007	2000	2000	2010	2011	2012	2012	2014	Share	SE2014vs	EU2014vs
	2006	2007	2008	2009	2010	2011	2012	2013	2014	SE/EU 2014 ¹	SE2006 ³	EU2006 ³
Total economy	7259	7155	7807	6788	6603	6993	7116	7279	6926	3.8%	95	133
ICT sector	1478	1526	1760	1595	1589	1619	1622	1583	1541	5.2%	104	114
Manufacturing	952	1065	1309	1256	1300	1359	1324	1250	1199	10.5%	126	83
Telecommunications	4	3	3	2	2	1	1	1	1	0.0%	35	86
Computer Services	511	448	437	328	273	238	276	312	321	2.2%	63	180
Wholesale Trade	12	11	11	9	14	21	21	21	19	2.5%	165	155
ICT sector as a % of Total	20.4%	21.3%	22.5%	23.5%	24.1%	23.1%	22.8%	21.8%	22.2%			

R&D Intensity (BERD as a % of value added)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SE/EU 2014 ²	SE2014vs SE2006 ³	EU2014vs EU2006 ³
Total economy	2.6	2.4	2.6	2.4	2.2	2.2	2.2	2.3	2.1	(1.62)	81	117
ICT sector	8.7	8.6	9.7	9.7	8.7	8.6	8.5	8.1	7.5	(1.48)	86	104
Manufacturing	17.7	20.0	25.1	27.4	23.6	25.8	28.5	24.3	22.2	(1.02)	125	115
Telecommunications	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	(0.02)	31	93
Computer Services	7.1	5.7	5.2	4.2	3.4	2.7	2.9	3.2	3.1	(0.67)	44	130
Wholesale Trade	0.9	0.8	0.8	0.8	1.1	1.7	1.5	1.6	1.5	(0.88)	163	137







¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

UNITED KINGDOM (UK)

Economic and industry trends

Value added (PPS bn)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share UK/EU 2014 ¹	UK2014vs UK2006 ³	EU2014vs EU2006 ³
Total economy	1890	1925	1877	1742	1736	1756	1821	1856	1939	13.9%	103	114
ICT sector	86	89	88	81	80	83	87	91	90	15.2%	105	110
Manufacturing	5	4	4	4	4	4	4	4	4	7.4%	86	72
Telecommunications	30	31	31	30	27	27	28	30	31	16.7%	105	92
Computer Services	46	47	47	42	42	46	47	48	51	16.5%	112	139
Wholesale Trade	6	7	5	5	6	6	8	9	5	10.0%	72	113
ICT sector as a % of Total	4.6%	4.6%	4.7%	4.6%	4.6%	4.7%	4.8%	4.9%	4.7%			

Employment (thous. person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share	UK2014vs	EU2014vs
	2000	2007	2000	2007	2010	2011	2012	2010	2011	UK/EU 2014 ¹	UK2006 ³	EU2006 ³
Total economy	29141	29379	29628	29154	29227	29374	29694	30042	30754	13.6%	106	101
ICT sector	989	1002	994	973	959	1004	991	1044	1098	17.6%	111	107
Manufacturing	85	85	80	62	59	59	59	60	56	8.4%	66	72
Telecommunications	220	220	213	214	211	214	210	211	215	18.9%	97	93
Computer Services	593	615	619	614	610	656	647	691	752	19.3%	127	124
Wholesale Trade	90	82	81	83	79	75	74	82	76	13.3%	84	97
ICT sector as a % of Total	3.4%	3.4%	3.4%	3.3%	3.3%	3.4%	3.3%	3.5%	3.6%			

Productivity of labour (thous. PPS / person employed)

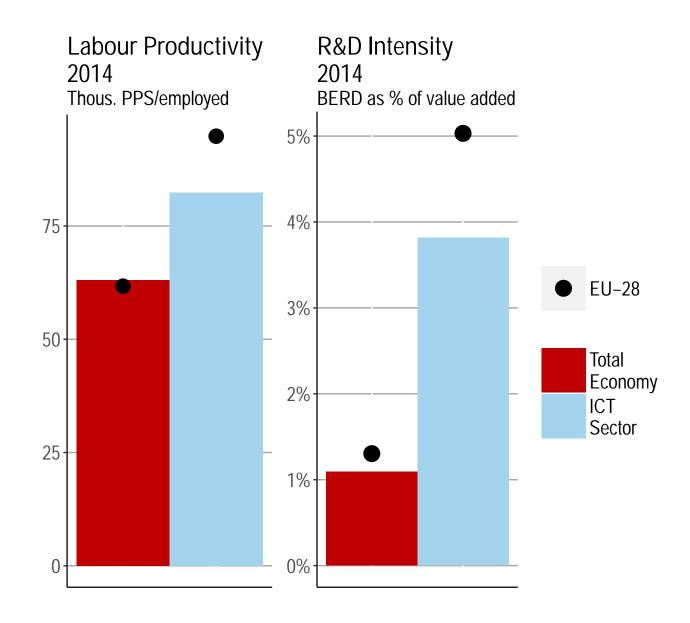
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	UK2014vs	EU2014vs
	2000	2007	2006	2009	2010	2011	2012	2013	2014	UK/EU 2014 ²	UK2006 ³	EU2006 ³
Total economy	65	66	63	60	59	60	61	62	63	(1.02)	97	113
ICT sector	87	89	89	83	83	83	88	87	82	(0.87)	94	104
Manufacturing	53	50	55	66	76	65	70	71	70	(0.88)	131	101
Telecommunications	134	141	146	141	129	128	134	141	144	(0.88)	107	99
Computer Services	77	76	76	68	69	70	72	70	68	(0.85)	88	112
Wholesale Trade	72	82	68	61	75	78	102	107	62	(0.75)	86	116

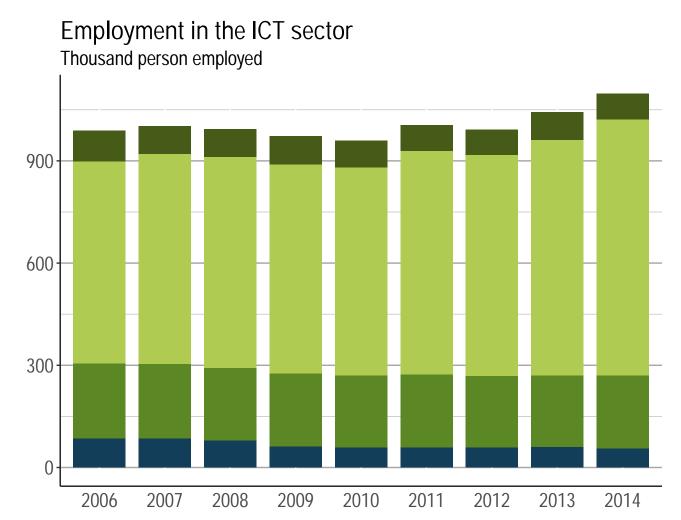
R&D performance

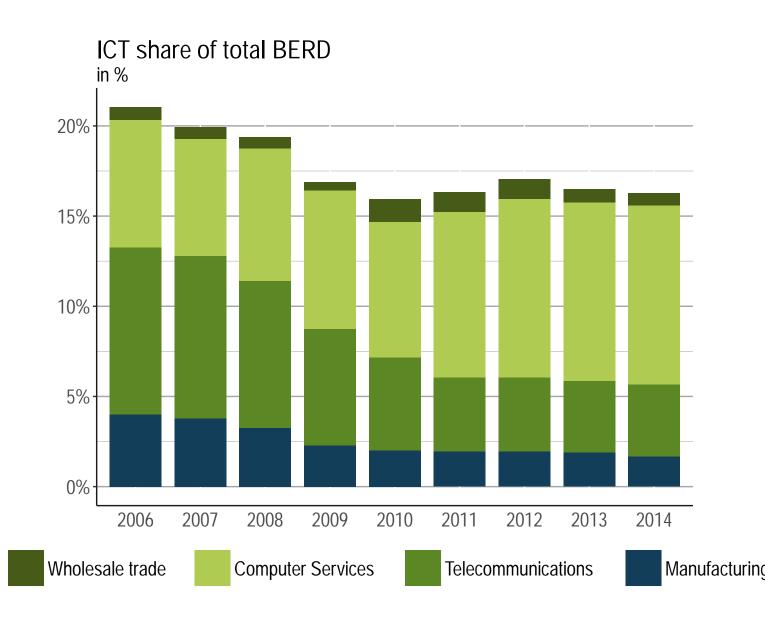
Business expenditure in R&D (BERD – PPS mln)

	2004	2007	2000	2000	2010	2011	2012	2013	2014	Share	UK2014vs	EU2014vs
2006	2000	2007	2008	2009						UK/EU 2014 ¹	UK2006 ³	EU2006 ³
Total economy	18580	19653	19078	17916	17740	18769	18594	19681	21212	11.6%	114	133
ICT sector	3910	3918	3698	3022	2827	3064	3169	3247	3451	11.6%	88	114
Manufacturing	744	742	619	409	357	364	364	374	358	3.1%	48	83
Telecommunications	1720	1775	1557	1161	911	775	762	781	847	25.4%	49	86
Computer Services	1315	1273	1400	1372	1337	1719	1840	1946	2103	14.7%	160	180
Wholesale Trade	131	129	122	80	222	206	203	145	143	18.3%	109	155
ICT sector as a % of Total	21.0%	19.9%	19.4%	16.9%	15.9%	16.3%	17.0%	16.5%	16.3%			

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	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio	UK2014vs	EU2014vs
										UK/EU 2014 ²	UK2006 ³	EU2006 ³
Total economy	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.1	(0.84)	111	117
ICT sector	4.5	4.4	4.2	3.7	3.5	3.7	3.6	3.6	3.8	(0.76)	84	104
Manufacturing	16.5	17.6	14.1	10.0	8.0	9.4	8.8	8.9	9.2	(0.42)	56	115
Telecommunications	5.8	5.7	5.0	3.9	3.3	2.8	2.7	2.6	2.7	(1.52)	47	93
Computer Services	2.9	2.7	3.0	3.3	3.2	3.7	3.9	4.0	4.1	(0.89)	143	130
Wholesale Trade	2.0	1.9	2.2	1.6	3.7	3.5	2.7	1.7	3.1	(1.84)	152	137







Note: All monetary variables are expressed in Purchasing Power Standards (PPS) at current prices.

¹⁾ Shares correspond to the percentage ratio between the value of a variable 'x' in country 'i' and in the EU economy [= x(i)/x(EU)]. Percentage shares portray the weight of each country in the EU aggregate, the EU being equal to 100%.

²⁾ Ratio portrays the performance vs. the EU aggregate. They are computed as a simple ratio, the EU level being equal to 1.

^{3) 2014} vs 2006 gives an indexed growth rate computed with 2006=100.

References

The 2017 PREDICT Report
Both the report and the database can be accessed through the following web page:

https://ec.europa.eu/jrc/en/predict/ict-sector-analysis-2017

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