

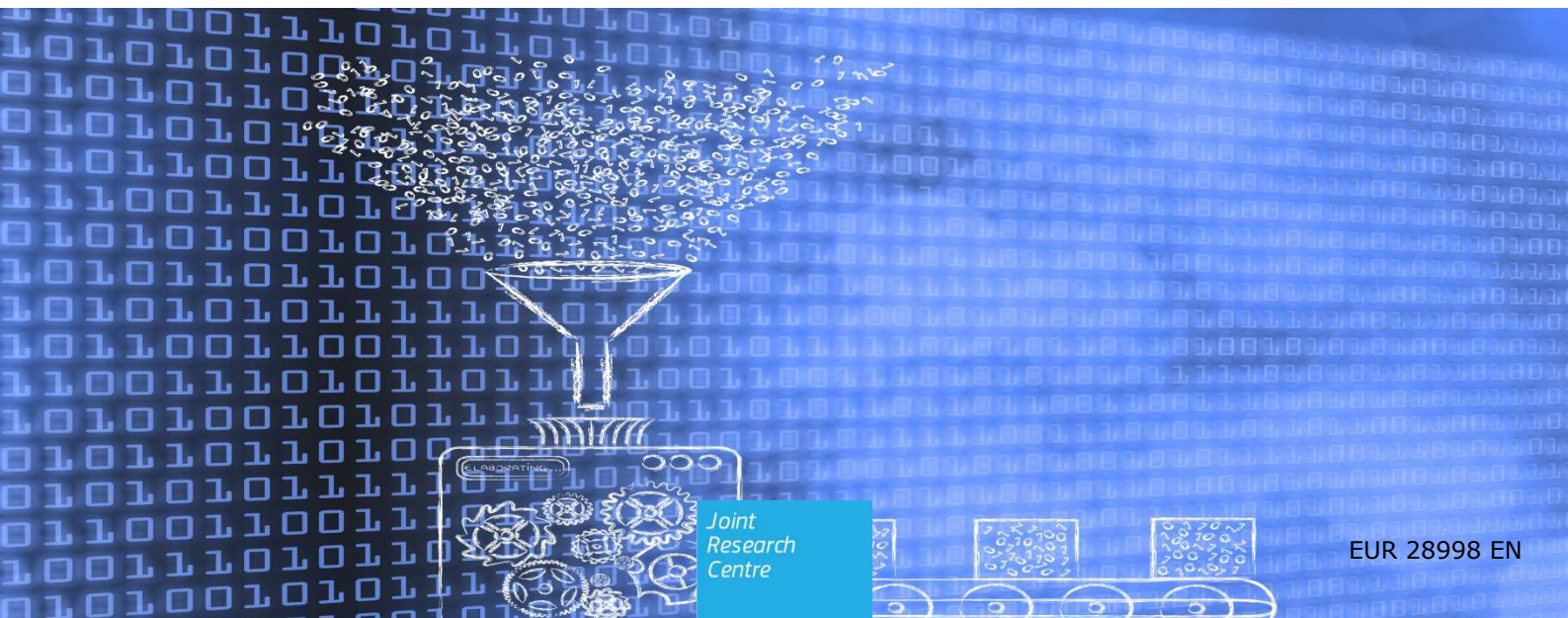


JRC TECHNICAL REPORTS

PREDICT 2017 Country Factsheets: EU Member States – Data in Current Prices

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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 [Digital Single Market](#) (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 'Data in Current Prices' and the second report on 'Purchasing Power Standard' 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 the value added in billion Euro. 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 value added 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 data in current prices for the EU Member States (market value or the price at which goods are currently being sold). Their equivalents in Purchasing Power Standard (PPS) are also available in a separate report.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share EU/EU 2014 ¹	EU2014vs EU2006 ³	EU2014vs 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	2008	2009	2010	2011	2012	2013	2014	Share EU/EU 2014 ¹	EU2014vs EU2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio EU/EU 2014 ²	EU2014vs EU2006 ³	EU2014vs 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

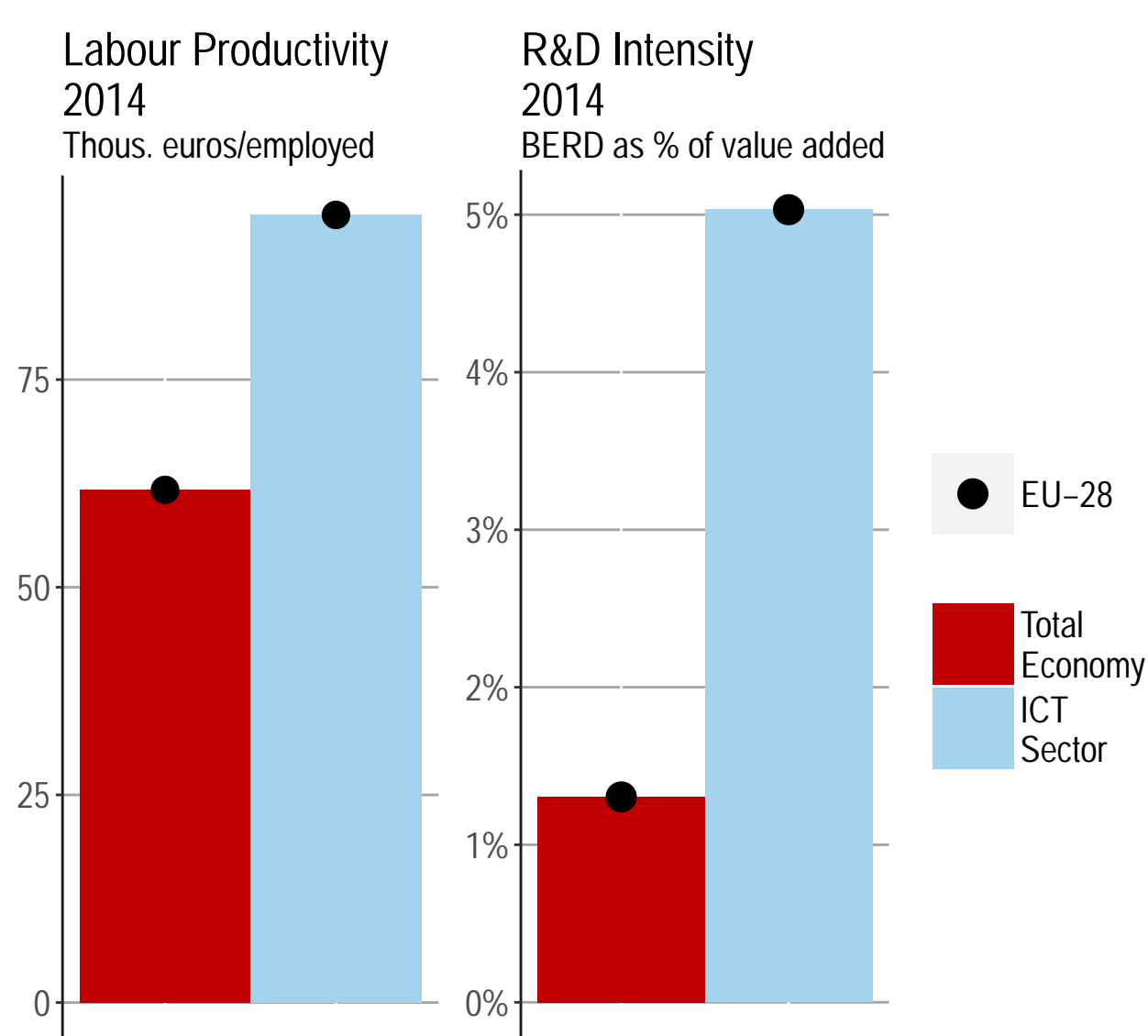
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

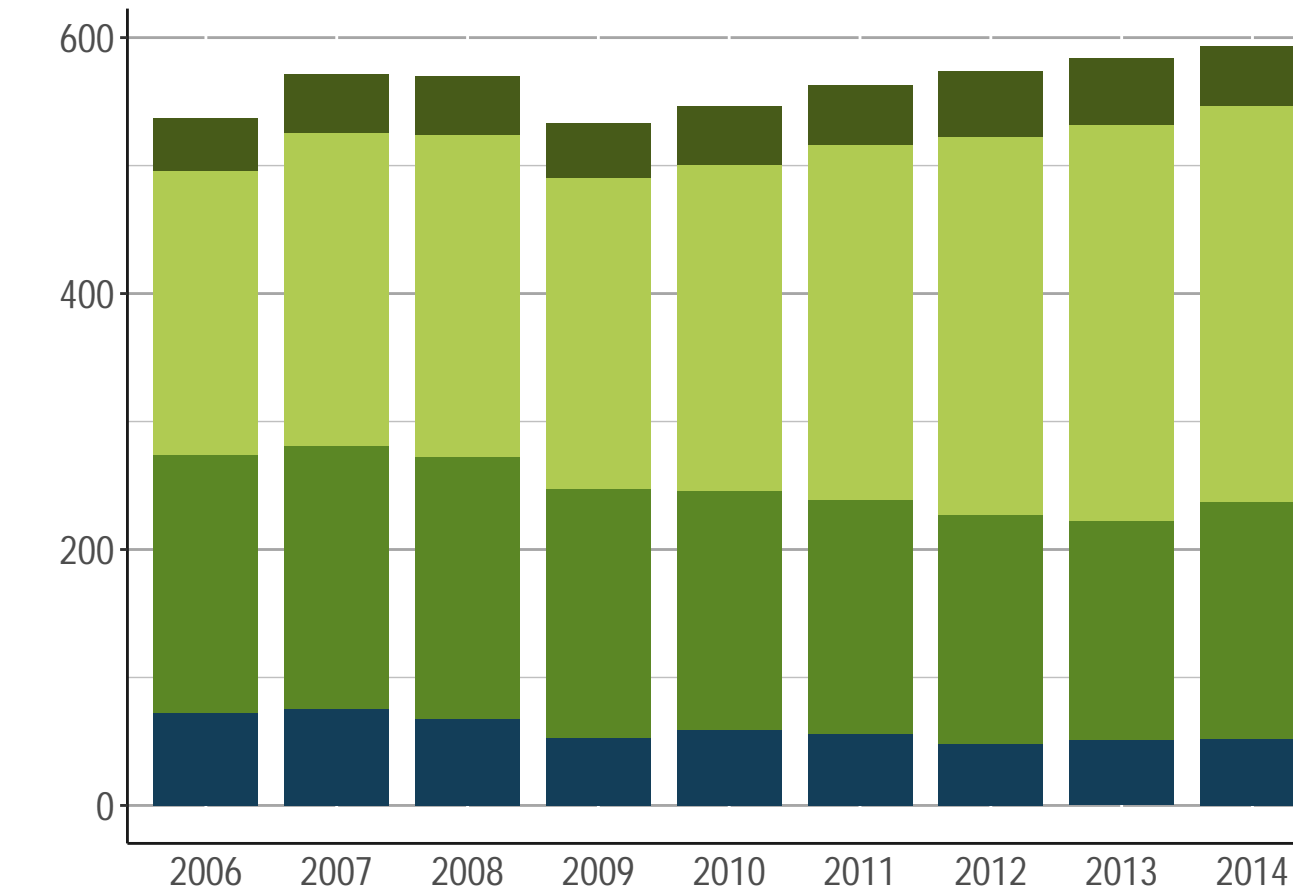
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share EU/EU 2014 ¹	EU2014vs EU2006 ³	EU2014vs EU2006 ³
Total economy	137165	146043	151703	146642	152764	164175	171736	174242	182452	100.0%	133	133
ICT sector	26078	26600	27000	25391	26299	27955	28810	28920	29839	100.0%	114	114
Manufacturing	13743	13194	13173	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)

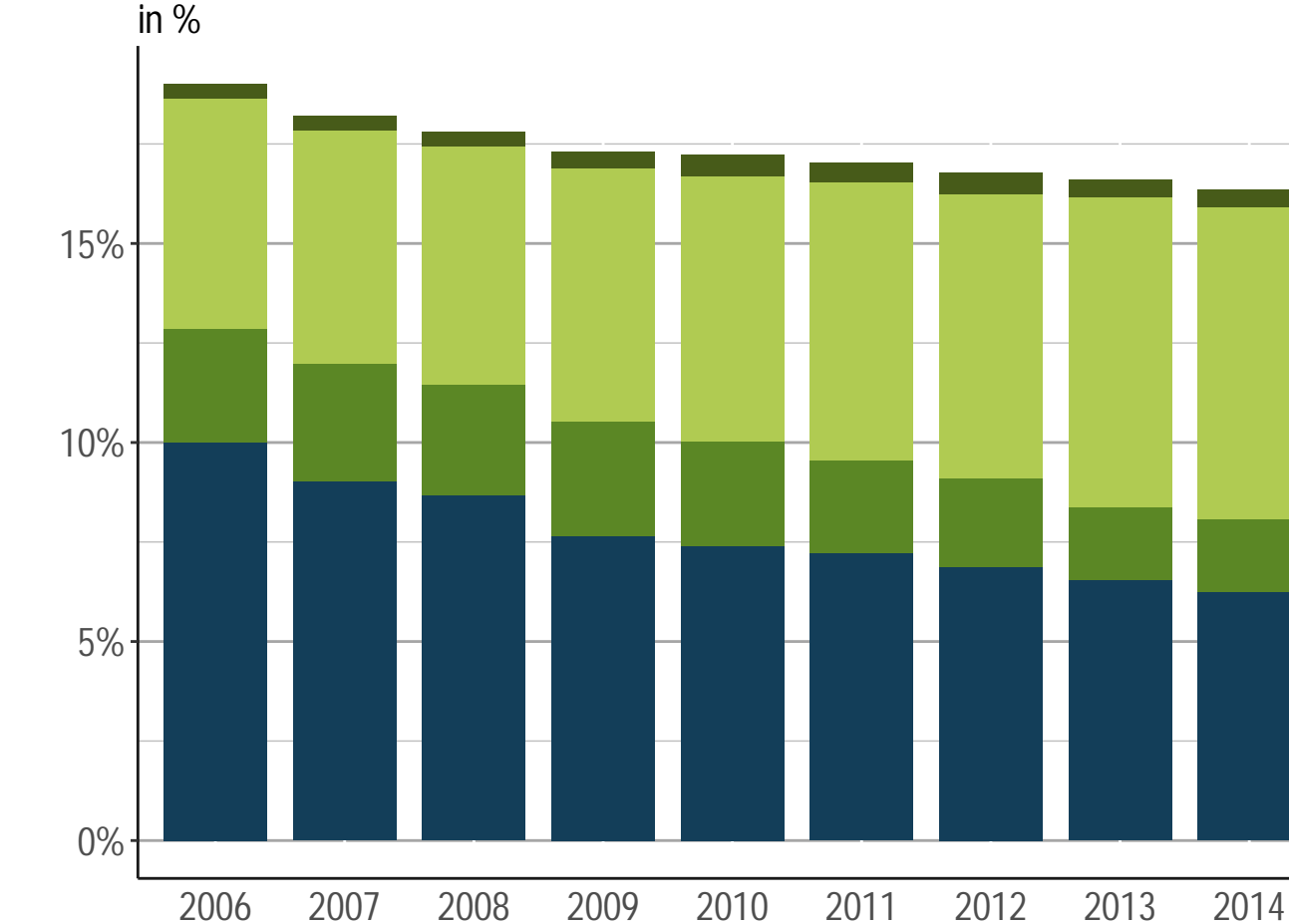
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio EU/EU 2014 ²	EU2014vs EU2006 ³	EU2014vs EU2006 ³
Total economy	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	(1.00)	117	117
ICT sector	4.9	4.7	4.7	4.8	4.8	5.0	5.0	5.0	5.0	(1.00)	104	104
Manufacturing	19.0	17.5	19.4	21.2	19.2	21.2	24.5	22.2	21.8	(1.00)	115	115
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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share AT/EU 2014 ¹	AT2014vs AT2006 ³	EU2014vs EU2006 ³
Total economy	266	282	292	286	295	309	317	323	330	2.4%	124	114
ICT sector	11	10	9	9	9	10	10	10	11	1.8%	101	110
Manufacturing	3	2	2	2	1	2	2	2	2	3.2%	56	72
Telecommunications	3	3	3	3	3	3	3	2	3	1.4%	82	92
Computer Services	3	4	4	4	4	5	5	5	6	1.9%	165	139
Wholesale Trade	1	1	1	1	1	1	1	1	1	1.8%	77	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	2009	2010	2011	2012	2013	2014	Share AT/EU 2014 ¹	AT2014vs AT2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio AT/EU 2014 ²	AT2014vs AT2006 ³	EU2014vs EU2006 ³
Total economy	68	70	71	70	72	74	75	76	78	(1.26)	115	113
ICT sector	103	99	96	93	95	101	98	100	103	(1.08)	100	104
Manufacturing	118	108	96	92	117	139	130	135	131	(1.66)	111	101
Telecommunications	161	160	160	162	159	153	148	145	163	(1.00)	101	99
Computer Services	70	70	72	70	69	77	77	82	84	(1.06)	120	112
Wholesale Trade	108	113	94	90	100	108	106	97	97	(1.17)	90	116

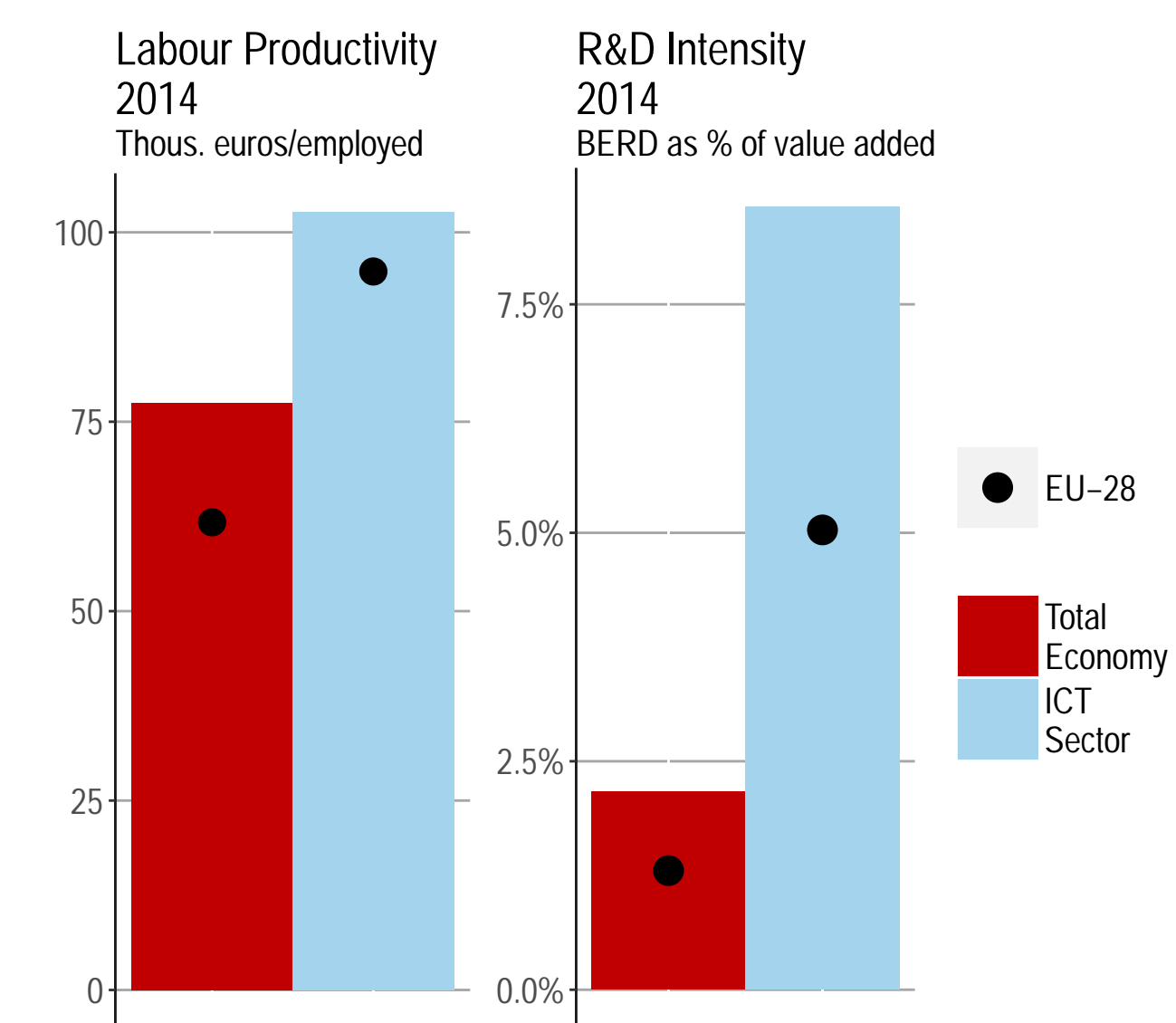
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

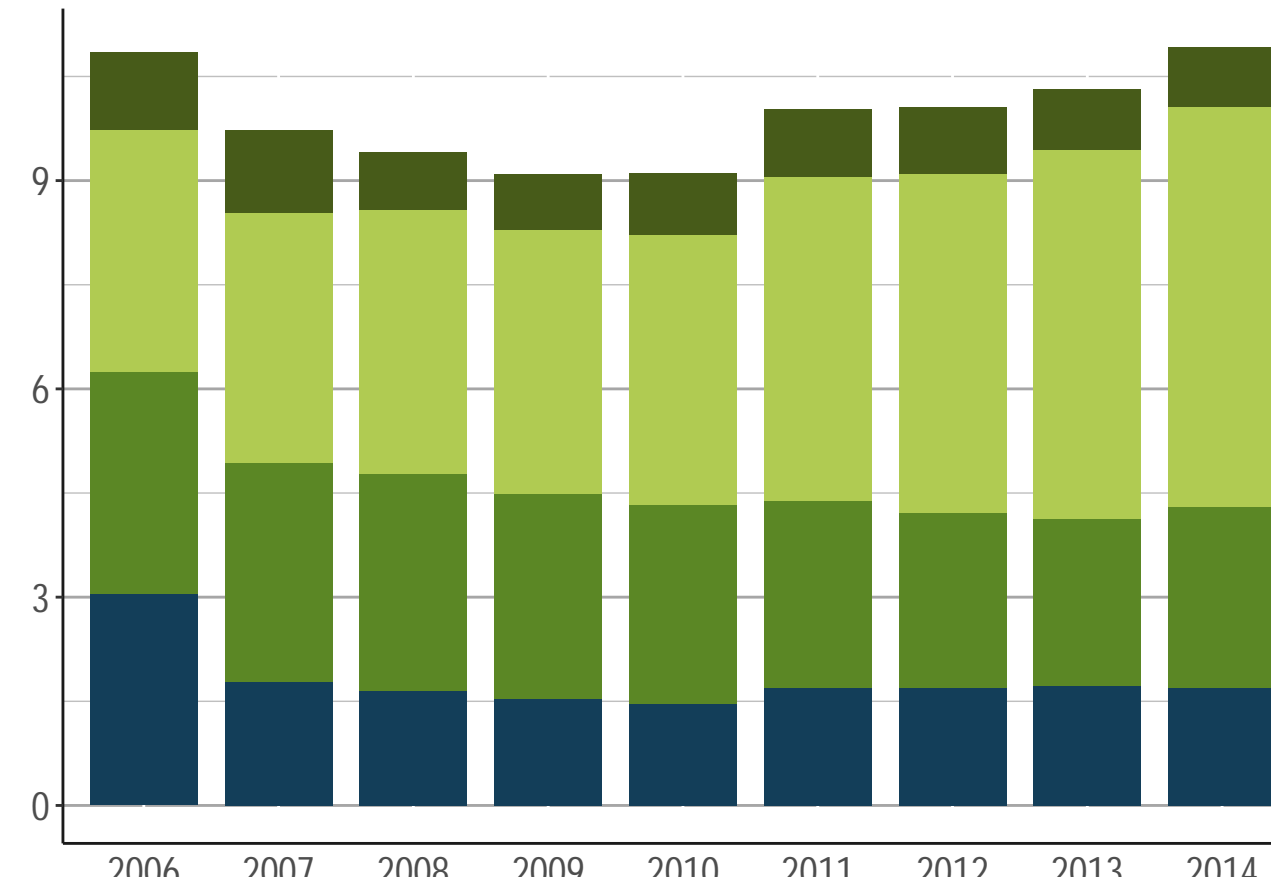
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share AT/EU 2014 ¹	AT2014vs AT2006 ³	EU2014vs EU2006 ³
Total economy	4449	4846	5233	5093	5520	5693	6540	6778	7153	3.9%	161	133
ICT sector	1079	718	638	634	702	732	848	886	936	3.1%	87	114
Manufacturing	830	412	348	402	424	370	423	436	461	4.0%	56	83
Telecommunications	39	43	47	45	49	50	48	38	40	1.2%	103	86
Computer Services	198	252	232	176	215	293	355	386	406	2.8%	206	180
Wholesale Trade	12	10	10	11	14	19	23	25	28	3.6%	243	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)

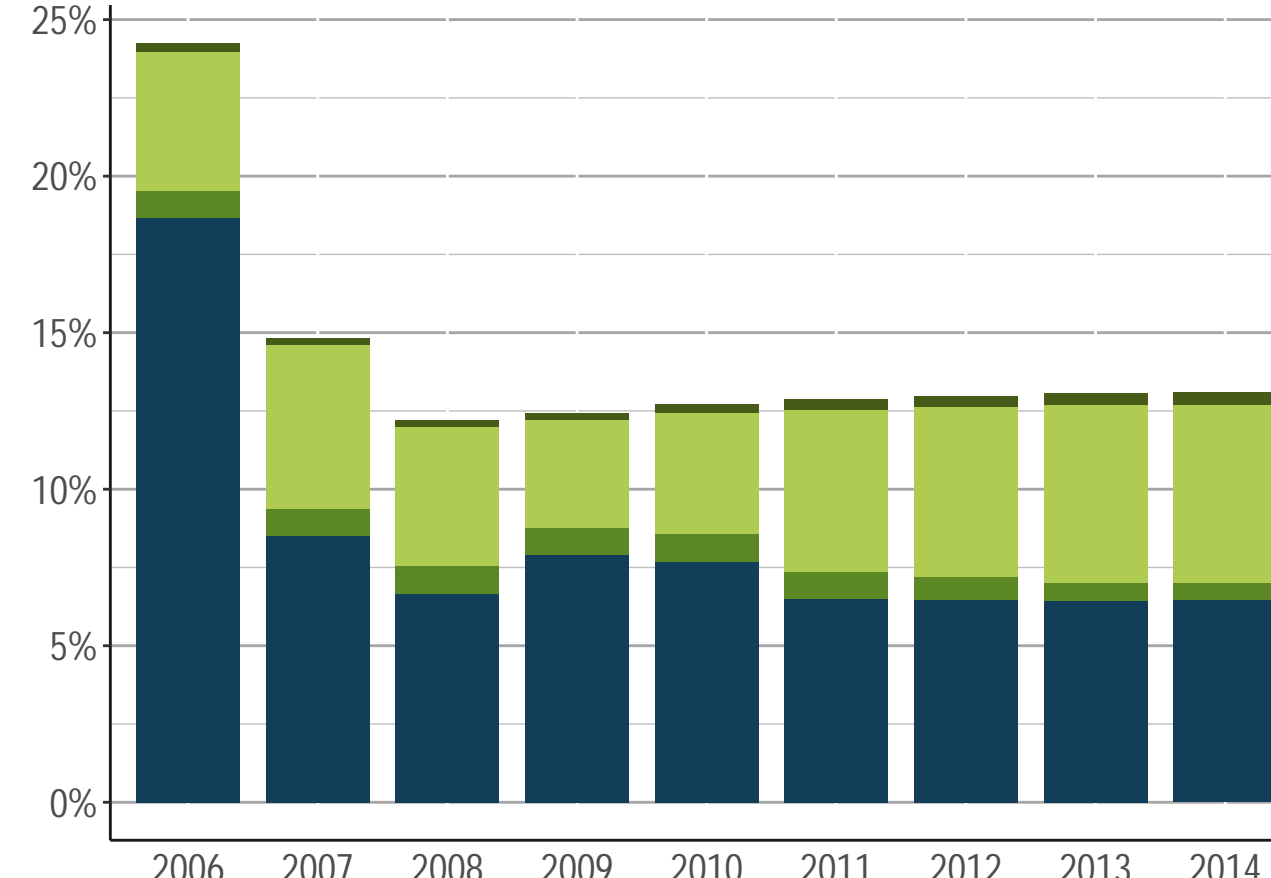
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio AT/EU 2014 ²	AT2014vs AT2006 ³	EU2014vs EU2006 ³
Total economy	1.7	1.7	1.8	1.8	1.9	1.8	2.1	2.1	2.2	(1.66)	130	117
ICT sector	9.9	7.4	6.8	7.0	7.7	7.3	8.4	8.6	8.6	(1.70)	86	104
Manufacturing	27.2	23.1	21.1	26.2	29.1	21.9	25.0	25.3	27.2	(1.25)	100	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BE/EU 2014 ¹	BE2014vs BE2006 ³	EU2014vs EU2006 ³
Total economy	327	345	354	349	365	379	387	393	400	2.9%	123	114
ICT sector	13	14	14	13	14	14	14	14	14	2.4%	113	110
Manufacturing	2	2	1	1	1	1	1	1	1	1.6%	54	72
Telecommunications	5	5	5	6	6	5	6	5	5	2.7%	93	92
Computer Services	4	5	5	5	6	6	7	6	7	2.2%	165	139
Wholesale Trade	1	2	2	1	2	2	1	2	1	3.1%	99	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)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BE/EU 2014 ¹	BE2014vs BE2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio BE/EU 2014 ²	BE2014vs BE2006 ³	EU2014vs EU2006 ³
Total economy	76	79	80	78	82	84	85	87	88	(1.43)	116	113
ICT sector	125	129	126	121	131	131	135	132	135	(1.43)	108	104
Manufacturing	116	119	110	91	106	102	107	110	121	(1.54)	105	101
Telecommunications	195	195	187	200	200	192	197	186	187	(1.15)	96	99
Computer Services	92	98	100	93	99	105	112	110	115	(1.45)	124	112
Wholesale Trade	103	117	114	92	130	129	115	132	130	(1.58)	127	116

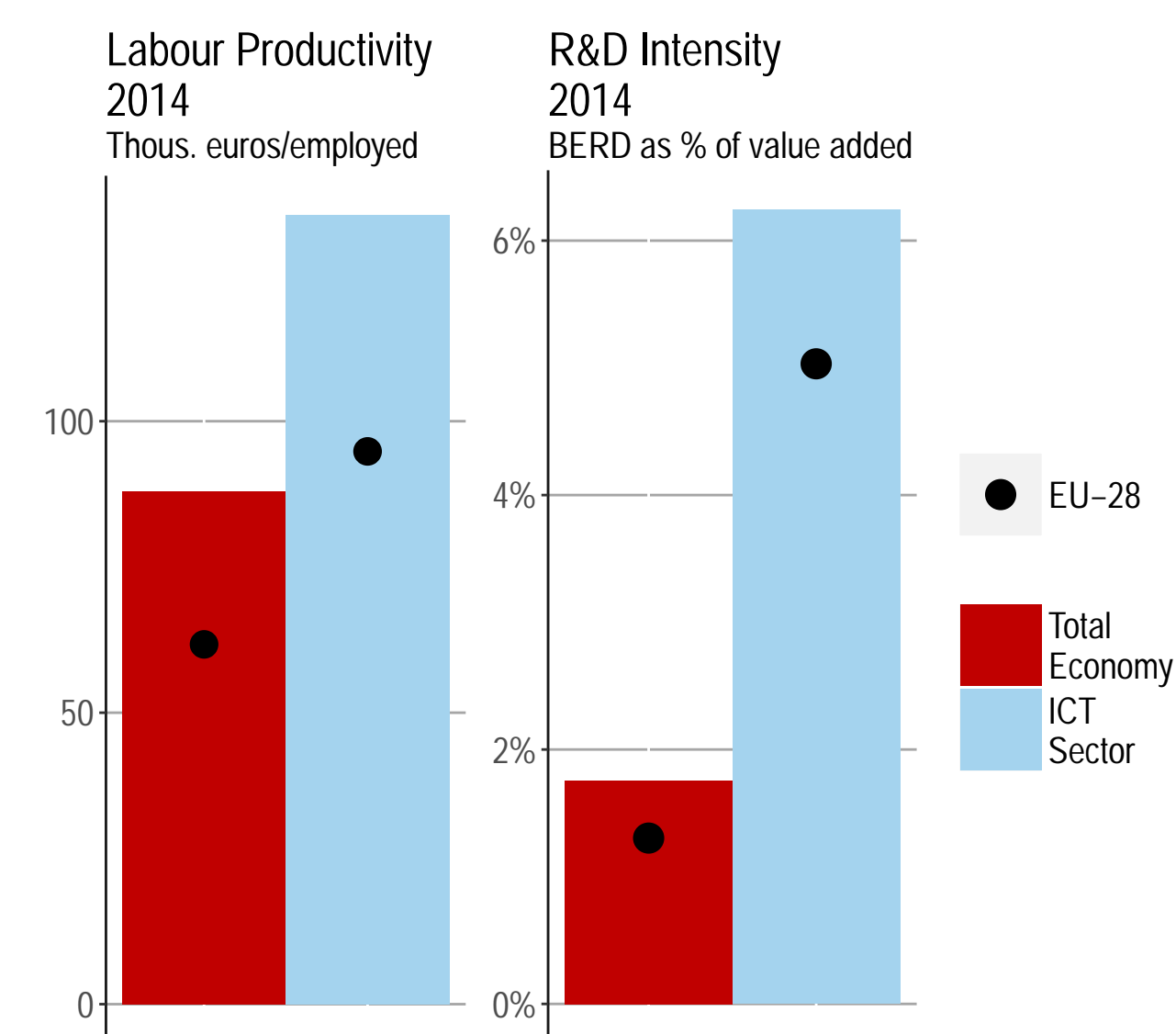
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

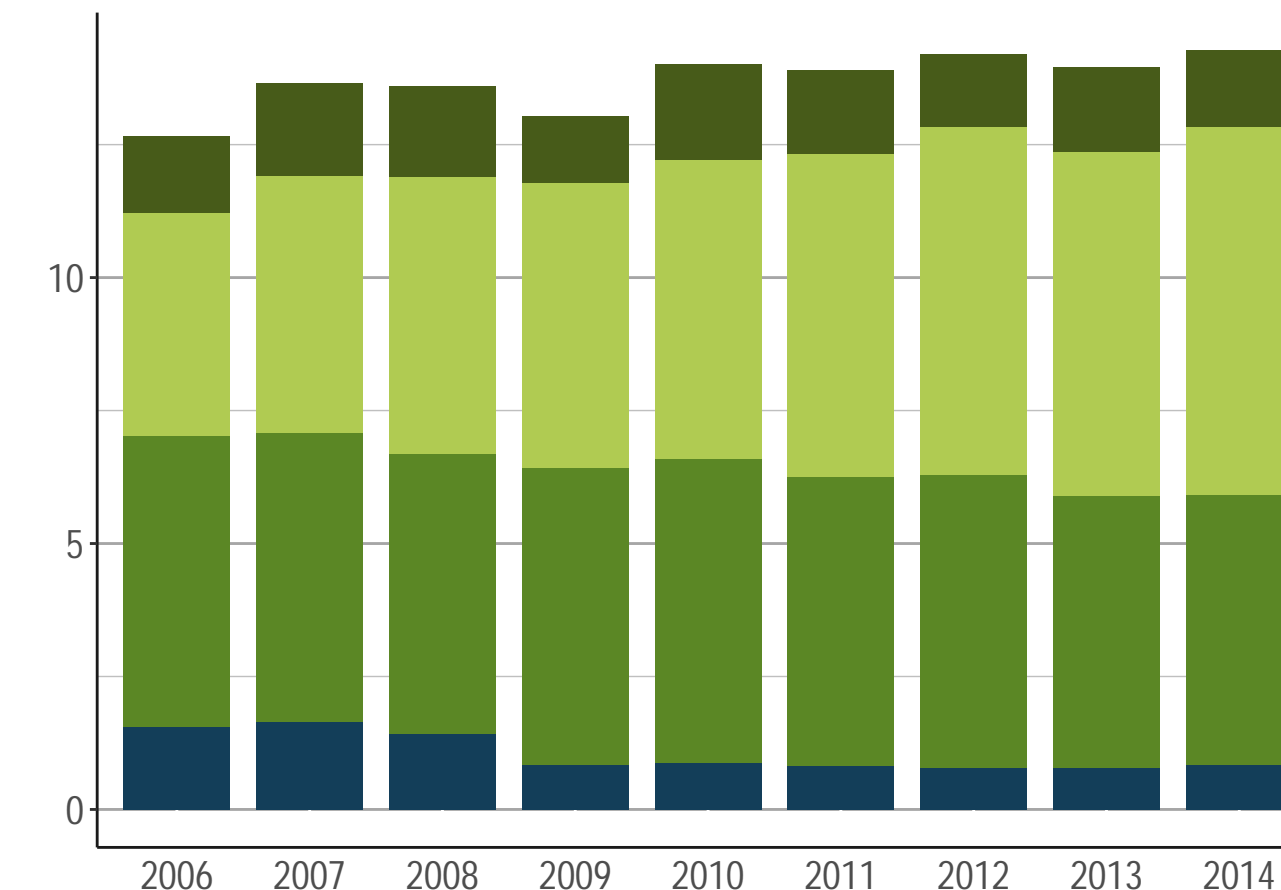
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BE/EU 2014 ¹	BE2014vs BE2006 ³	EU2014vs EU2006 ³
Total economy	4106	4420	4650	4575	5028	5613	6493	6746	7033	3.9%	171	133
ICT sector	690	739	674	666	792	863	870	876	890	3.0%	129	114
Manufacturing	309	362	320	307	322	333	343	349	364	3.2%	118	83
Telecommunications	166	158	123	119	173	208	92	76	63	1.9%	38	86
Computer Services	213	215	225	234	297	322	425	440	455	3.2%	214	180
Wholesale Trade	3	3	5	5	0	0	10	10	9	1.2%	336	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%			

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

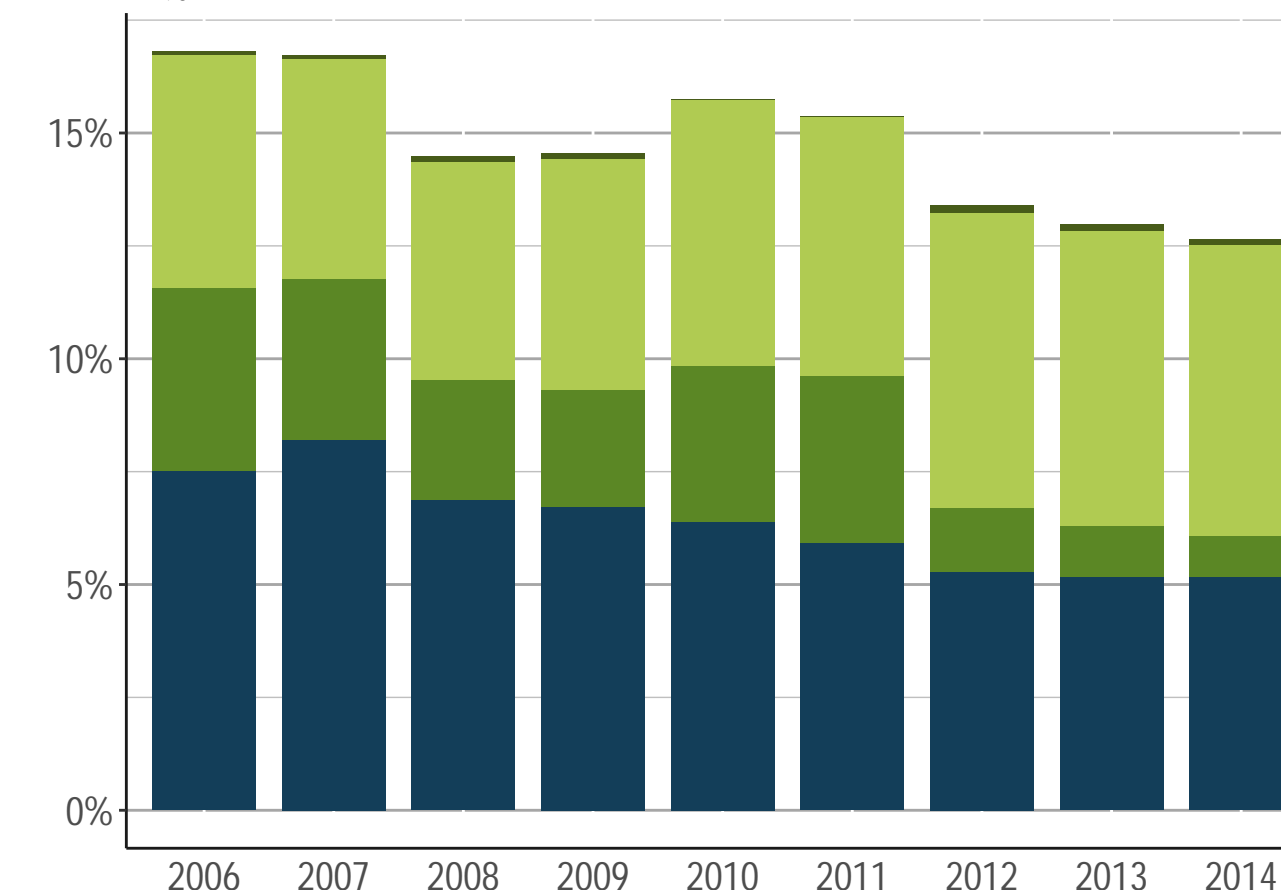
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio BE/EU 2014 ²	BE2014vs BE2006 ³	EU2014vs EU2006 ³
Total economy	1.3	1.3	1.3	1.3	1.4	1.5	1.7	1.7	1.8	(1.35)	140	117
ICT sector	5.5	5.4	5.0	5.1	5.7	6.2	6.1	6.3	6.2	(1.24)	115	104
Manufacturing	19.8	22.1	22.5	36.7	36.8	40.8	43.8	44.0	42.9	(1.97)	216	115
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



Value added of the ICT sector
in bn euros



ICT share of total BERD
in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BG/EU 2014 ¹	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	27	32	37	37	38	41	42	42	43	0.3%	157	114
ICT sector	1	1	2	2	2	2	2	2	2	0.3%	244	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.2%	161	72
Telecommunications	0	1	1	1	1	1	1	1	1	0.5%	181	92
Computer Services	0	0	0	1	1	1	1	1	1	0.3%	541	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.2%	96	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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio BG/EU 2014 ²	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	8	9	10	10	11	12	12	12	12	(0.20)	165	113
ICT sector	15	17	31	30	25	26	25	27	27	(0.28)	178	104
Manufacturing	7	8	6	7	9	8	10	9	12	(0.15)	166	101
Telecommunications	19	22	46	40	42	40	35	37	38	(0.24)	201	99
Computer Services	12	15	28	31	20	21	22	24	23	(0.29)	198	112
Wholesale Trade	15	14	16	14	10	14	17	23	20	(0.24)	136	116

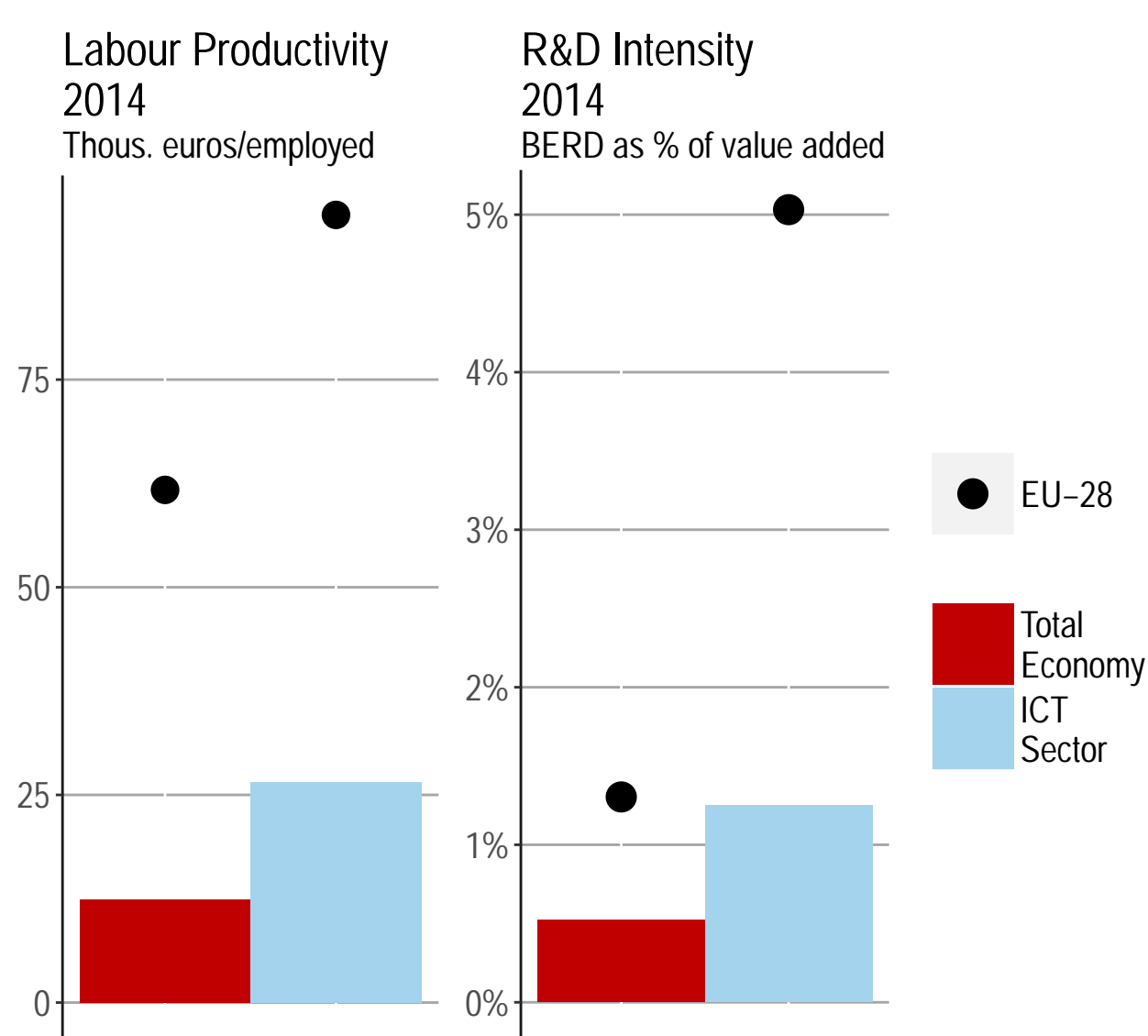
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

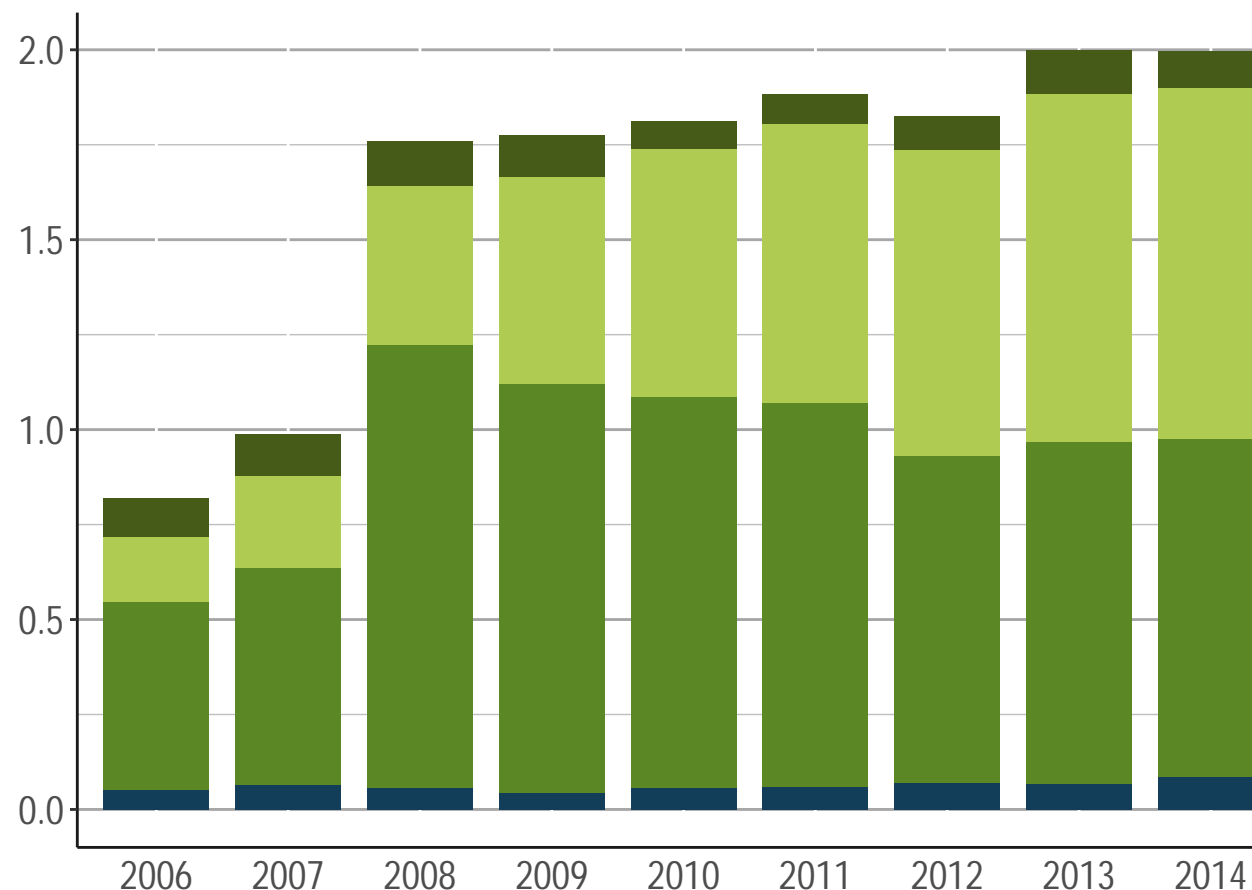
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share BG/EU 2014 ¹	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	31	43	52	55	108	117	154	163	223	0.1%	723	133
ICT sector	11	16	13	8	7	3	8	10	25	0.1%	232	114
Manufacturing	1	1	1	0	1	0	2	1	4	0.0%	684	83
Telecommunications	4	5	3	2	0	0	0	0	0	0.0%	0	86
Computer Services	6	10	8	5	5	3	6	8	20	0.1%	349	180
Wholesale Trade	0	0	0	1	1	0	0	0	1	0.1%	1647	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)

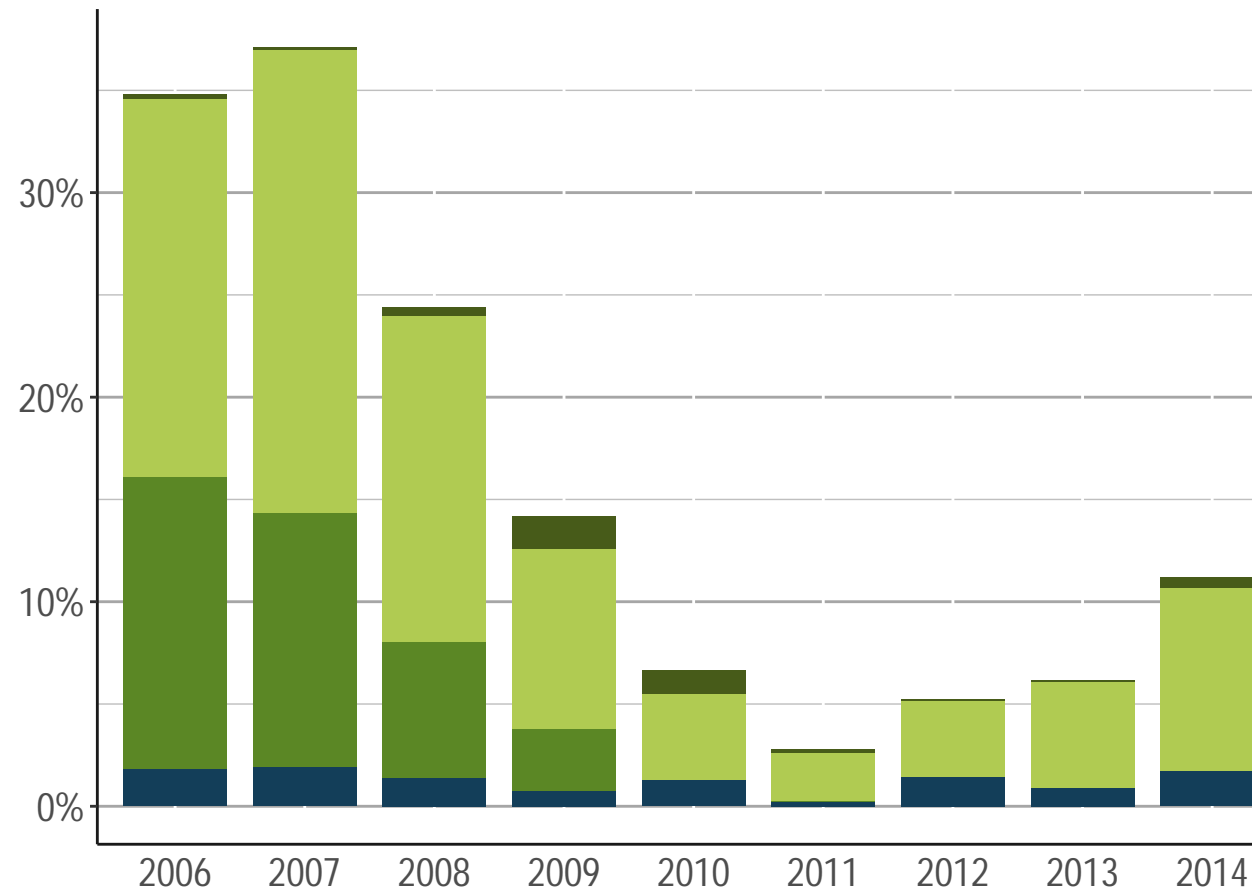
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio BG/EU 2014 ²	BG2014vs BG2006 ³	EU2014vs EU2006 ³
Total economy	0.1	0.1	0.1	0.1	0.3	0.3	0.4	0.4	0.5	(0.40)	460	117
ICT sector	1.3	1.6	0.7	0.4	0.4	0.2	0.4	0.5	1.2	(0.25)	95	104
Manufacturing	1.1	1.3	1.2	1.0	2.5	0.5	3.1	2.1	4.6	(0.21)	426	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Legend: Wholesale trade (Dark Green), Computer Services (Light Green), Telecommunications (Medium Green), Manufacturing (Dark Blue)

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share HR/EU 2014 ¹	HR2014vs HR2006 ³	EU2014vs EU2006 ³
Total economy	40	44	48	45	45	45	44	43	43	0.3%	107	114
ICT sector	2	2	2	2	2	2	2	2	2	0.3%	99	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.3%	63	72
Telecommunications	1	1	1	1	1	1	1	1	1	0.5%	85	92
Computer Services	0	0	0	0	0	0	0	1	0	0.2%	171	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.3%	112	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 HR/EU 2014 ¹	HR2014vs HR2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio HR/EU 2014 ²	HR2014vs HR2006 ³	EU2014vs EU2006 ³
Total economy	26	26	27	26	26	27	28	28	27	(0.44)	106	113
ICT sector	64	60	70	67	62	57	62	55	48	(0.50)	75	104
Manufacturing	36	39	38	83	87	73	59	60	59	(0.75)	163	101
Telecommunications	96	86	107	100	103	103	146	120	87	(0.53)	90	99
Computer Services	40	38	48	32	27	26	28	27	25	(0.32)	62	112
Wholesale Trade	58	58	60	53	63	63	57	74	63	(0.77)	109	116

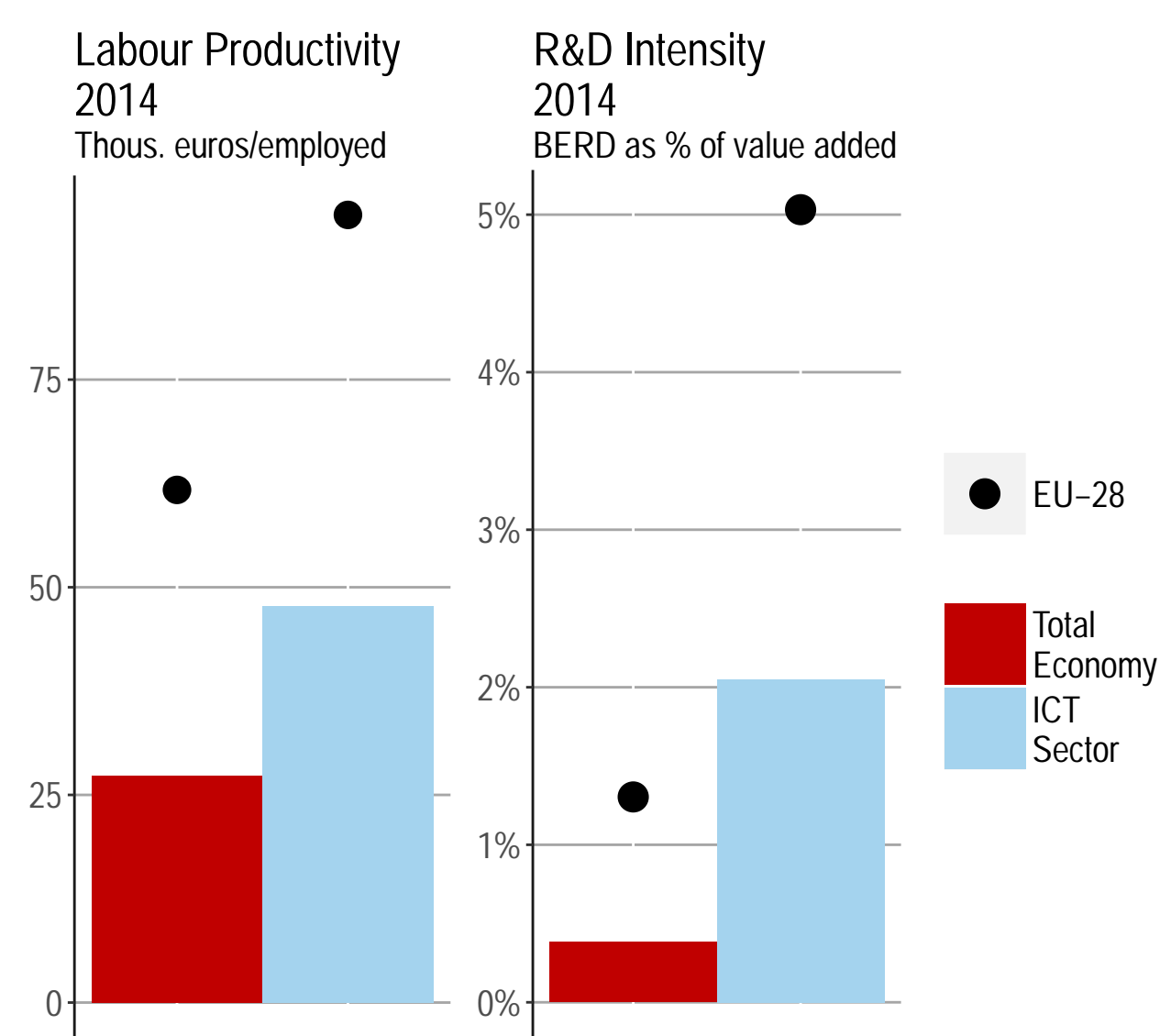
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

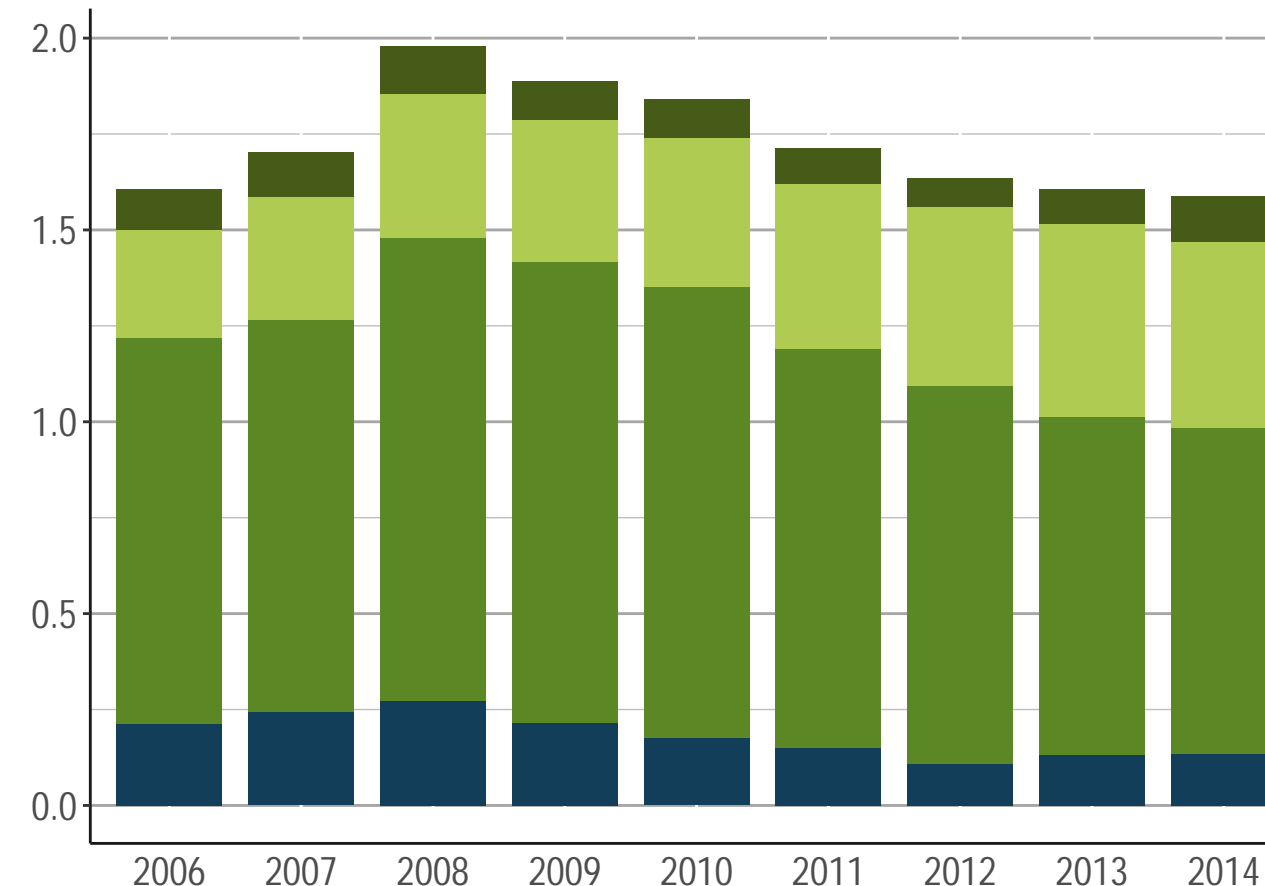
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share HR/EU 2014 ¹	HR2014vs HR2006 ³	EU2014vs EU2006 ³
Total economy	109	141	188	154	148	150	151	178	164	0.1%	150	133
ICT sector	22	31	31	43	37	30	31	37	33	0.1%	149	114
Manufacturing	2	2	1	2	2	2	1	2	2	0.0%	70	83
Telecommunications	18	28	28	32	26	21	23	30	27	0.8%	148	86
Computer Services	1	1	1	9	8	7	7	5	4	0.0%	309	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)

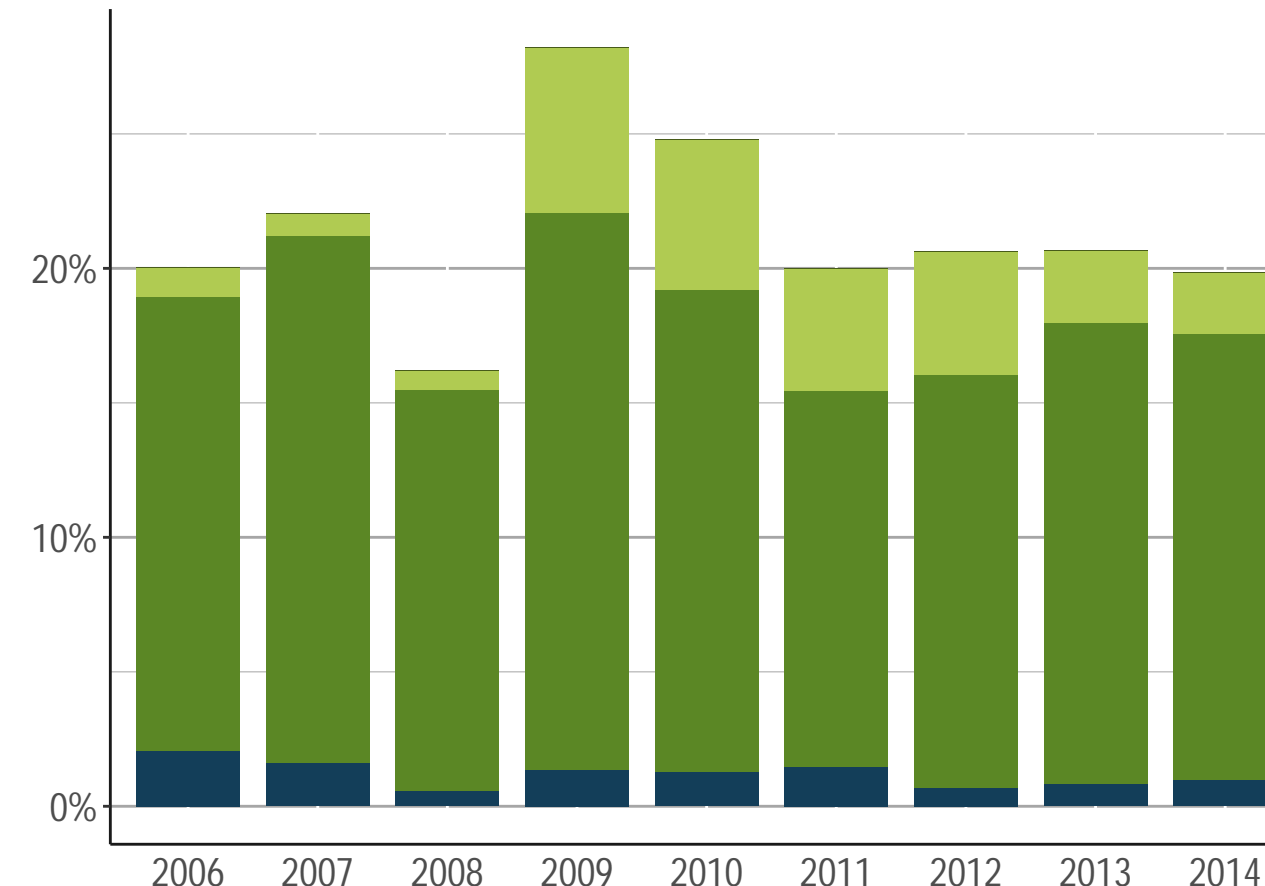
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio HR/EU 2014 ²	HR2014vs HR2006 ³	EU2014vs EU2006 ³
Total economy	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	(0.29)	140	117
ICT sector	1.4	1.8	1.5	2.3	2.0	1.8	1.9	2.3	2.0	(0.41)	151	104
Manufacturing	1.1	0.9	0.4	1.0	1.1	1.4	1.0	1.1	1.2	(0.05)	111	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CY/EU 2014 ¹	CY2014vs CY2006 ³	EU2014vs EU2006 ³
Total economy	16	18	19	19	19	20	19	18	18	0.1%	108	114
ICT sector	0	0	0	0	1	1	1	1	1	0.1%	163	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	183	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.2%	115	92
Computer Services	0	0	0	0	0	0	0	0	0	0.1%	331	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.1%	76	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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio CY/EU 2014 ²	CY2014vs CY2006 ³	EU2014vs EU2006 ³
Total economy	44	45	47	46	48	49	50	49	48	(0.79)	111	113
ICT sector	68	68	71	70	72	73	73	85	89	(0.94)	130	104
Manufacturing	-	79	88	66	30	13	20	203	330	(4.18)	-	101
Telecommunications	92	97	99	100	108	98	90	92	93	(0.57)	100	99
Computer Services	43	42	47	42	46	59	64	87	94	(1.19)	219	112
Wholesale Trade	39	37	38	37	30	33	39	35	32	(0.38)	82	116

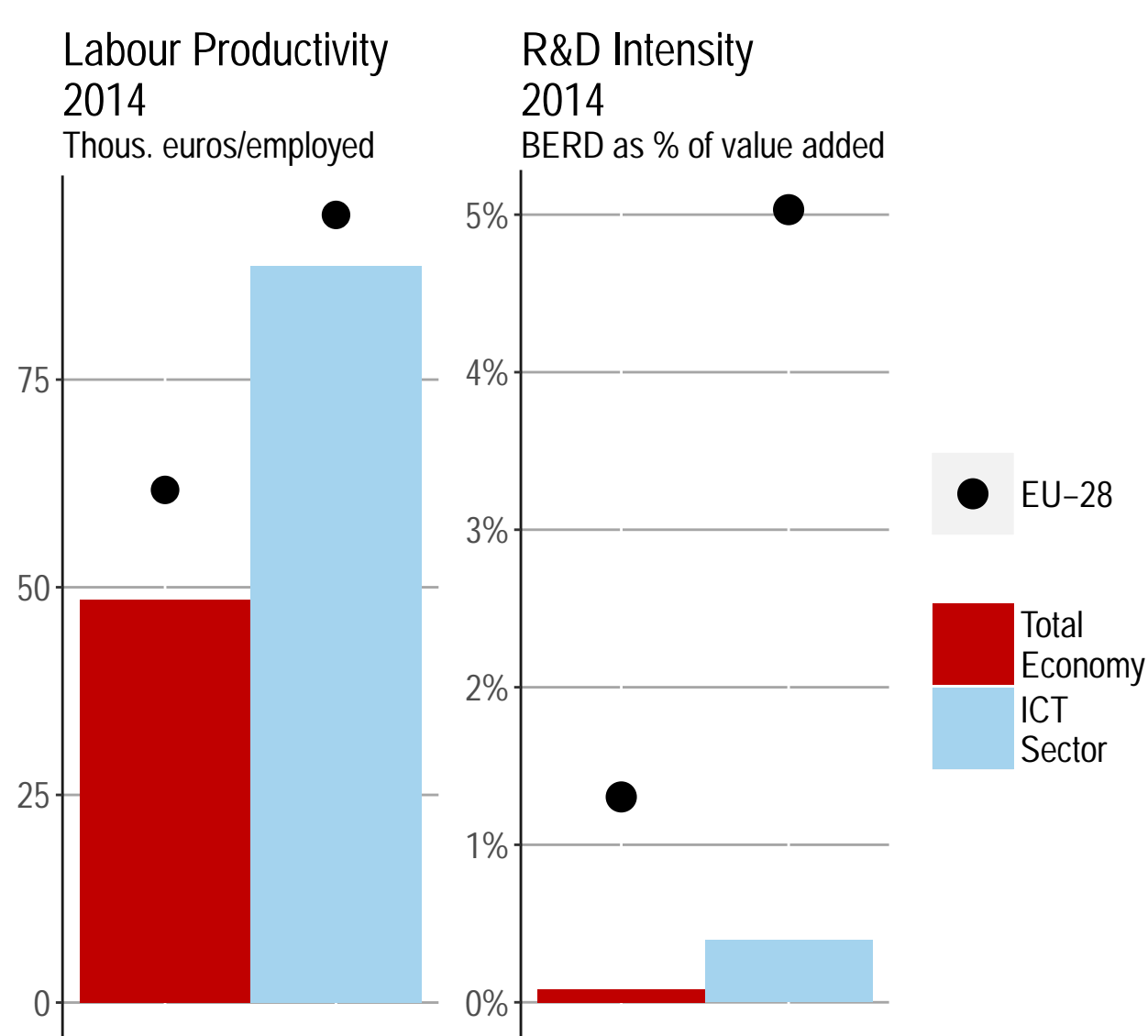
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

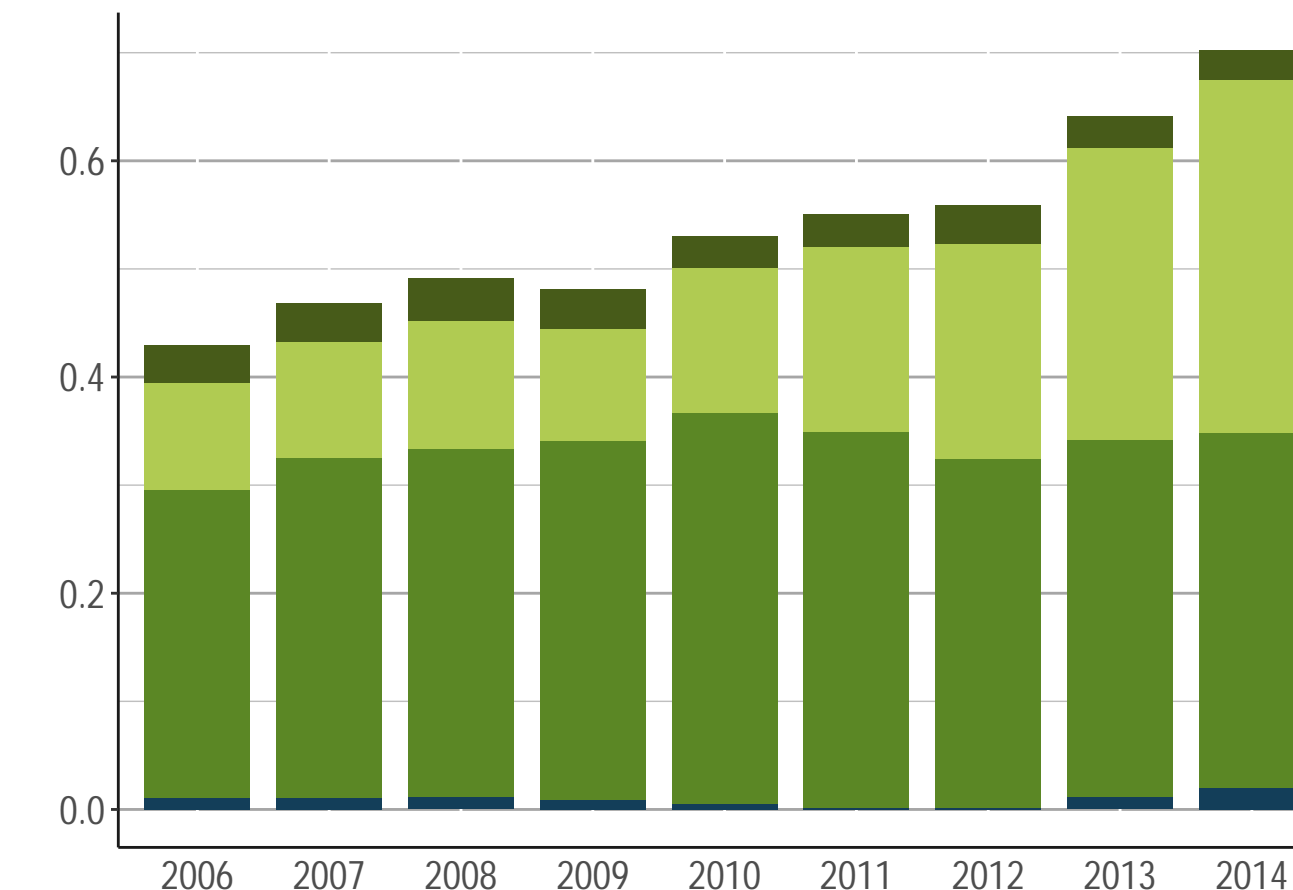
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CY/EU 2014 ¹	CY2014vs CY2006 ³	EU2014vs EU2006 ³
Total economy	14	16	17	16	15	13	12	13	15	0.0%	103	133
ICT sector	5	6	7	7	6	5	2	2	3	0.0%	50	114
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	0	83
Telecommunications	0	0	0	0	1	0	0	0	0	0.0%	559	86
Computer Services	5	6	7	7	5	4	2	2	2	0.0%	42	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)

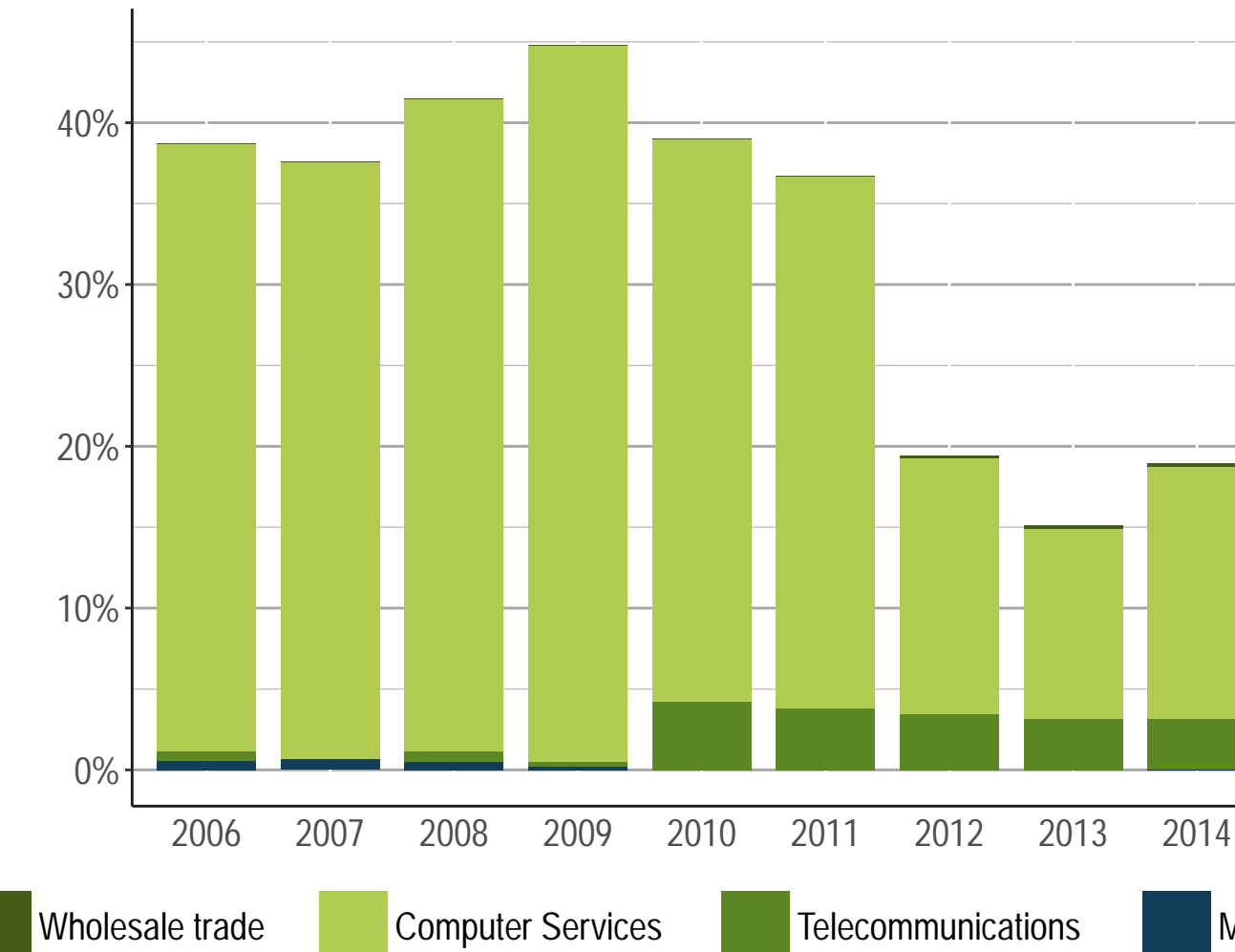
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio CY/EU 2014 ²	CY2014vs CY2006 ³	EU2014vs EU2006 ³
Total economy	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	(0.06)	95	117
ICT sector	1.3	1.3	1.4	1.5	1.1	0.8	0.4	0.3	0.4	(0.08)	31	104
Manufacturing	0.7	1.0	0.7	0.4	0.0	0.0	0.0	0.0	0.0	(0.00)	0	115
Telecommunications	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.1	(0.08)	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CZ/EU 2014 ¹	CZ2014vs CZ2006 ³	EU2014vs EU2006 ³
Total economy	124	138	161	148	156	164	161	158	157	1.1%	127	114
ICT sector	6	7	8	8	8	8	8	8	8	1.3%	125	110
Manufacturing	1	1	1	1	1	1	1	1	1	2.0%	92	72
Telecommunications	3	3	3	3	3	3	2	2	2	1.1%	76	92
Computer Services	2	3	3	3	3	4	4	4	4	1.4%	203	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.9%	140	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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio CZ/EU 2014 ²	CZ2014vs CZ2006 ³	EU2014vs EU2006 ³
Total economy	25	27	31	29	31	33	32	31	31	(0.50)	124	113
ICT sector	47	49	52	49	53	56	54	51	50	(0.53)	108	104
Manufacturing	31	32	32	32	43	41	38	35	41	(0.52)	133	101
Telecommunications	110	126	139	127	136	131	123	112	105	(0.64)	95	99
Computer Services	33	37	40	37	38	46	45	44	44	(0.55)	132	112
Wholesale Trade	32	30	38	34	34	38	40	40	36	(0.43)	112	116

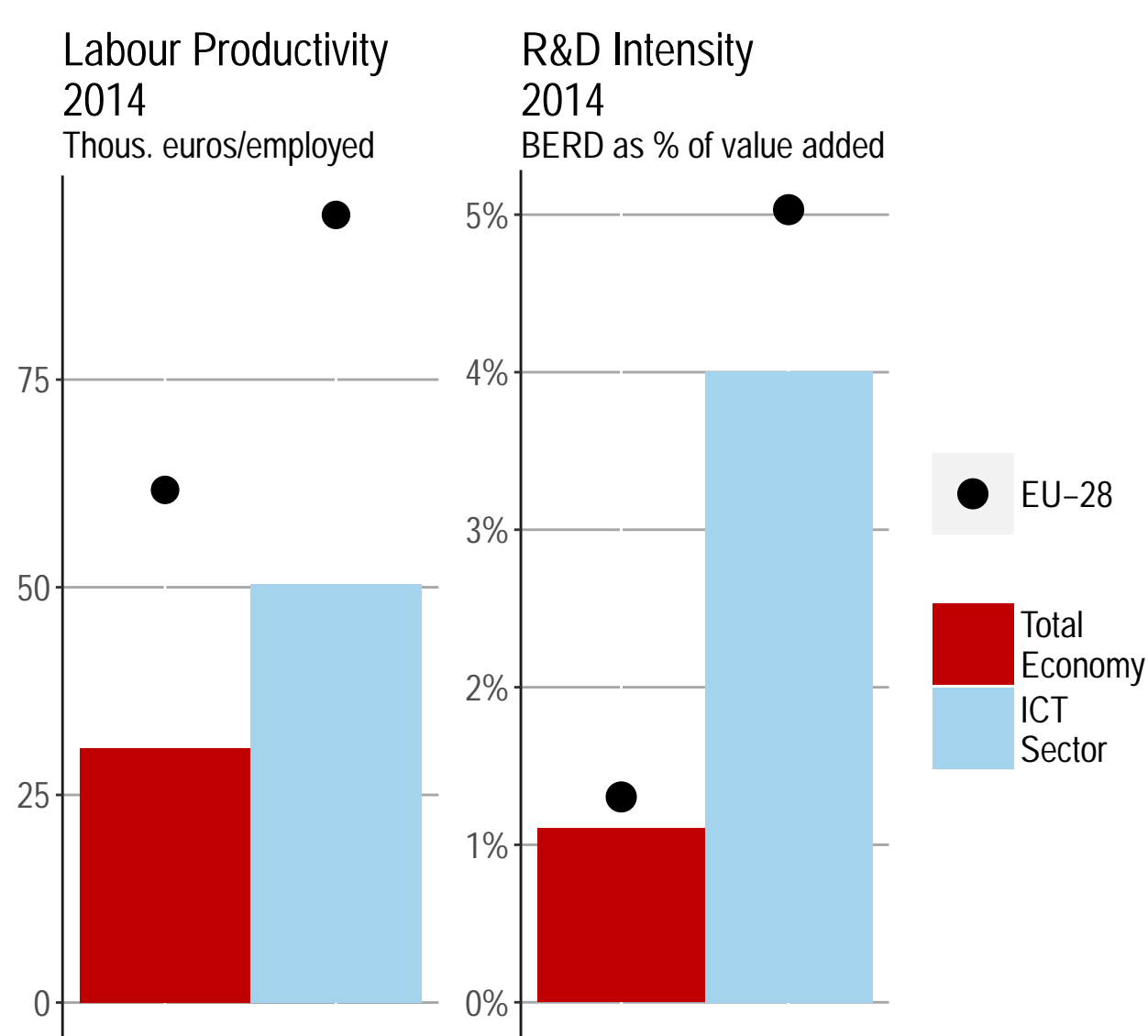
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

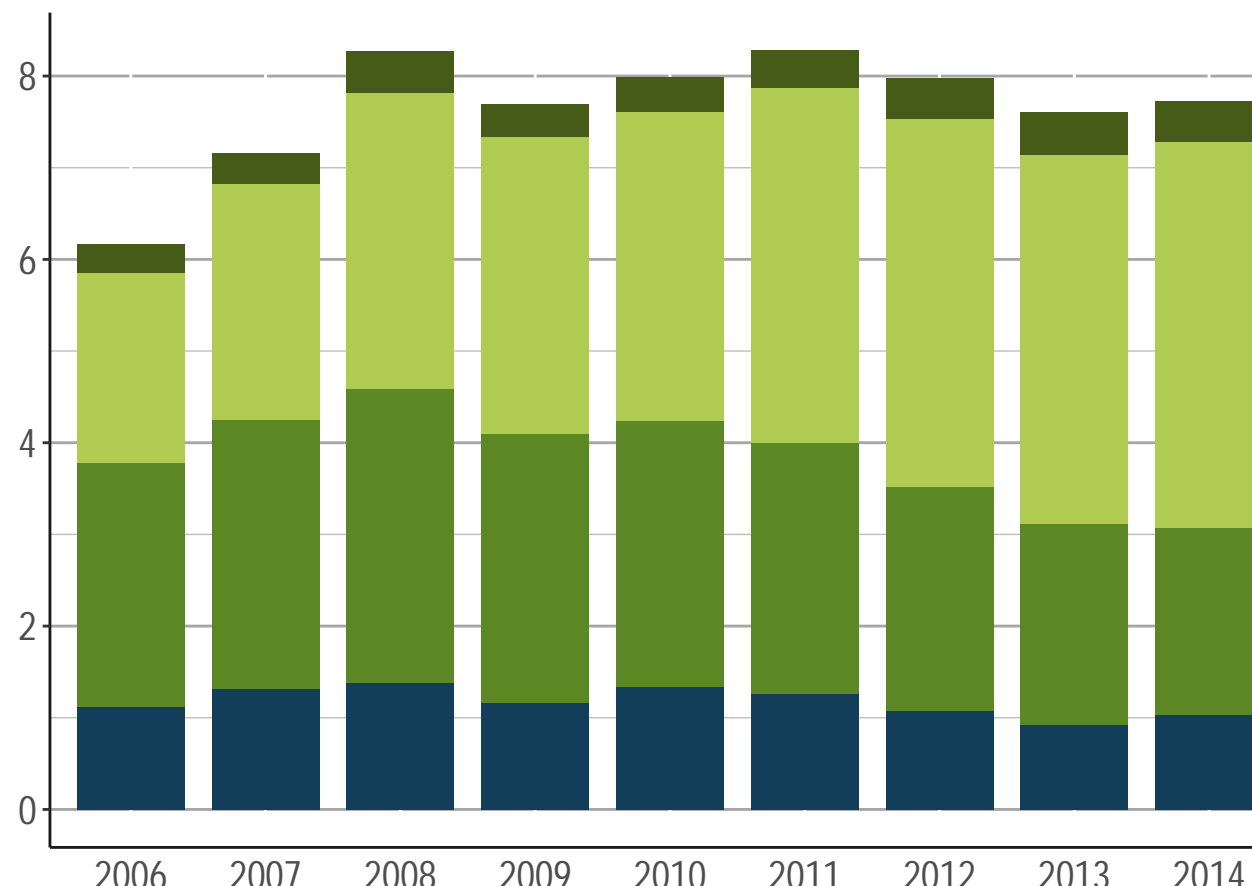
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share CZ/EU 2014 ¹	CZ2014vs CZ2006 ³	EU2014vs EU2006 ³
Total economy	912	1057	1173	1087	1209	1412	1542	1622	1730	0.9%	190	133
ICT sector	148	167	207	179	189	230	246	250	309	1.0%	209	114
Manufacturing	46	47	49	30	23	23	19	18	23	0.2%	49	83
Telecommunications	13	16	17	15	21	22	24	23	22	0.7%	174	86
Computer Services	88	101	137	130	142	180	199	204	260	1.8%	297	180
Wholesale Trade	2	3	4	3	3	4	5	5	5	0.6%	280	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)

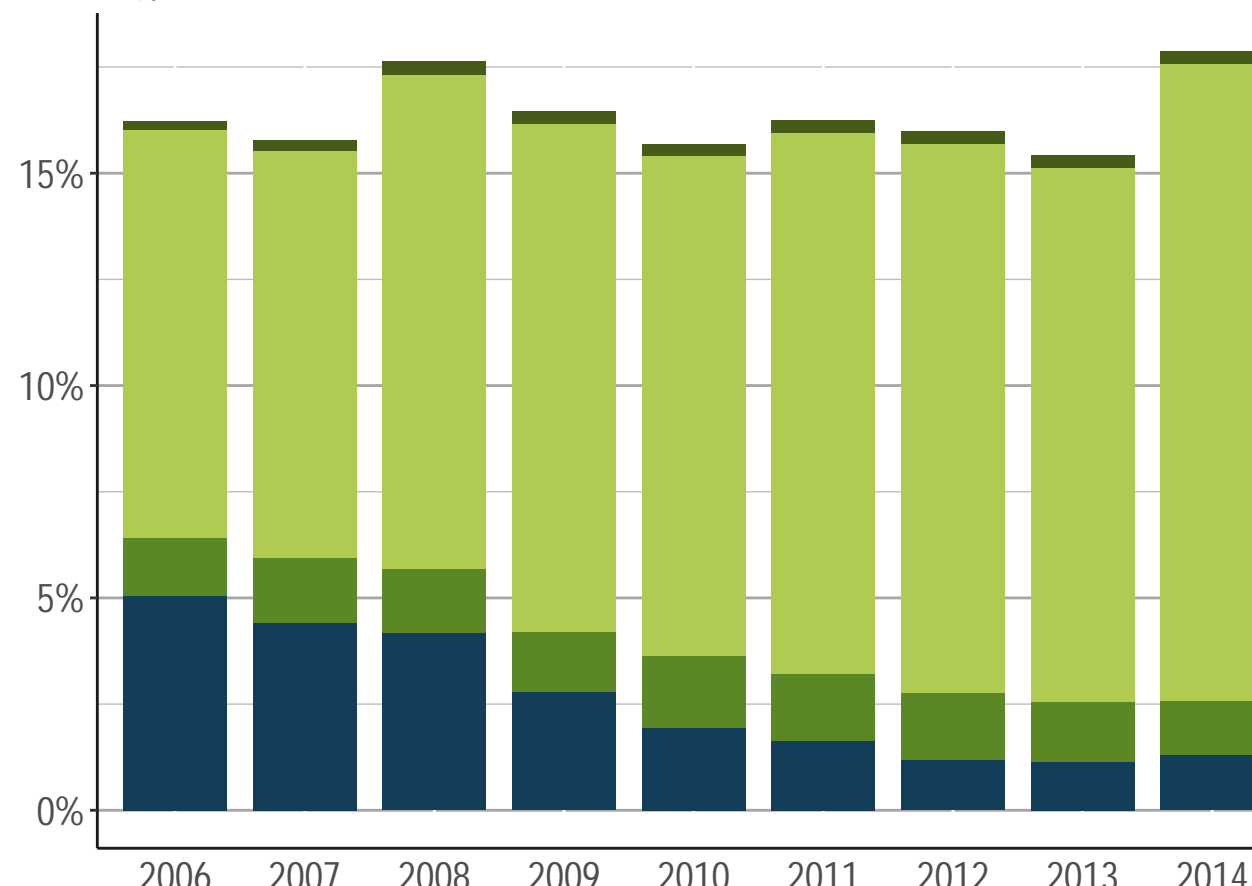
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio CZ/EU 2014 ²	CZ2014vs CZ2006 ³	EU2014vs EU2006 ³
Total economy	0.7	0.8	0.7	0.7	0.8	0.9	1.0	1.0	1.1	(0.85)	150	117
ICT sector	2.4	2.3	2.5	2.3	2.4	2.8	3.1	3.3	4.0	(0.80)	167	104
Manufacturing	4.1	3.5	3.5	2.6	1.7	1.8	1.7	2.0	2.2	(0.10)	54	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DK/EU 2014 ¹	DK2014vs DK2006 ³	EU2014vs EU2006 ³
Total economy	226	233	241	230	242	246	253	255	261	1.9%	116	114
ICT sector	8	9	9	10	10	10	10	10	10	1.7%	118	110
Manufacturing	1	1	1	1	1	1	1	1	1	1.0%	77	72
Telecommunications	3	3	3	3	2	3	3	3	2	1.3%	88	92
Computer Services	3	4	4	5	5	5	5	5	5	1.7%	151	139
Wholesale Trade	1	1	2	1	2	2	2	2	2	3.6%	117	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)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DK/EU 2014 ¹	DK2014vs DK2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio DK/EU 2014 ²	DK2014vs DK2006 ³	EU2014vs EU2006 ³
Total economy	80	81	83	82	88	89	92	93	94	(1.53)	118	113
ICT sector	98	100	101	107	110	107	108	111	110	(1.16)	113	104
Manufacturing	84	101	91	89	98	98	98	100	104	(1.32)	124	101
Telecommunications	146	152	158	166	156	173	177	186	176	(1.08)	120	99
Computer Services	81	81	83	93	100	91	91	93	94	(1.19)	116	112
Wholesale Trade	89	93	98	96	103	97	101	107	110	(1.33)	123	116

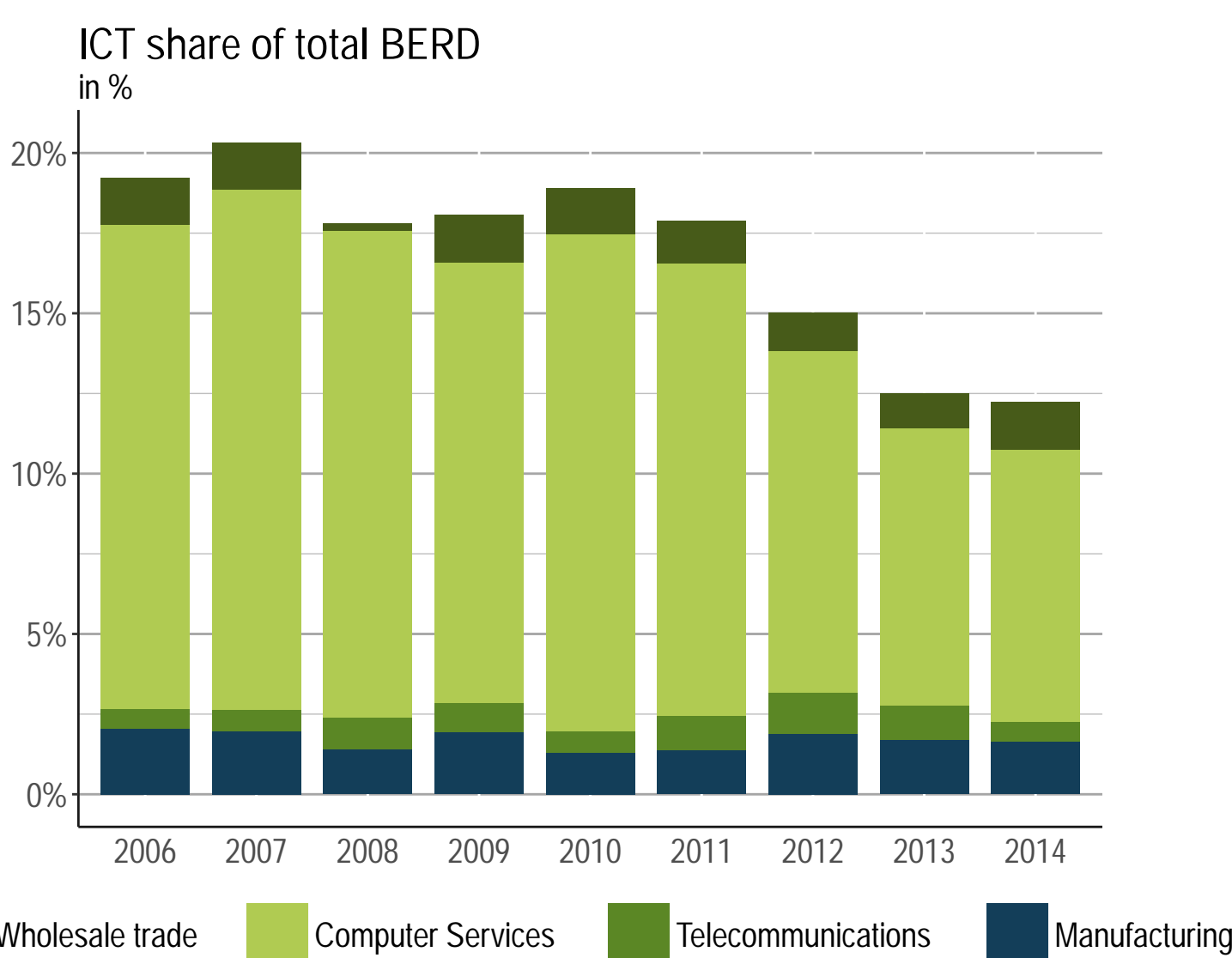
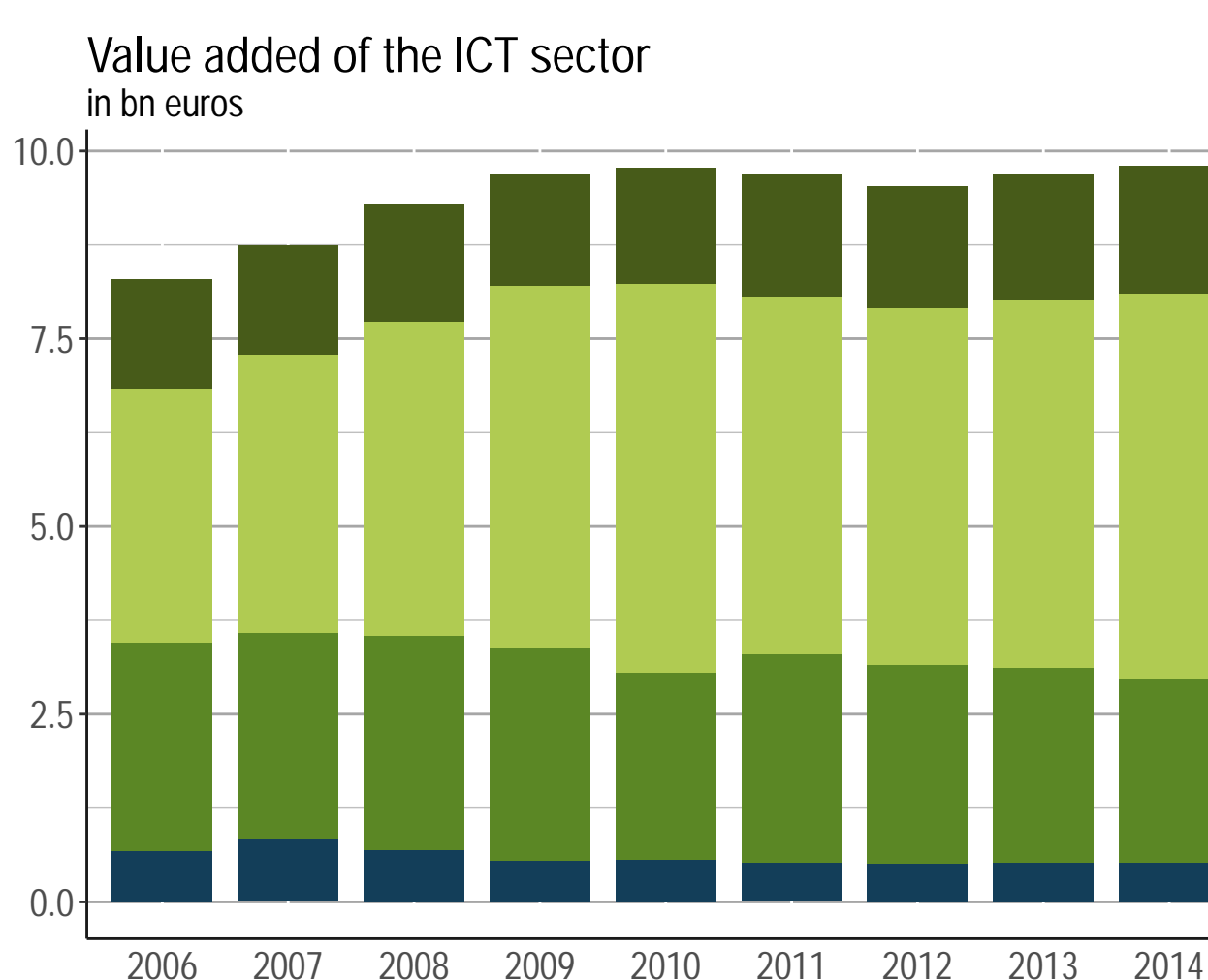
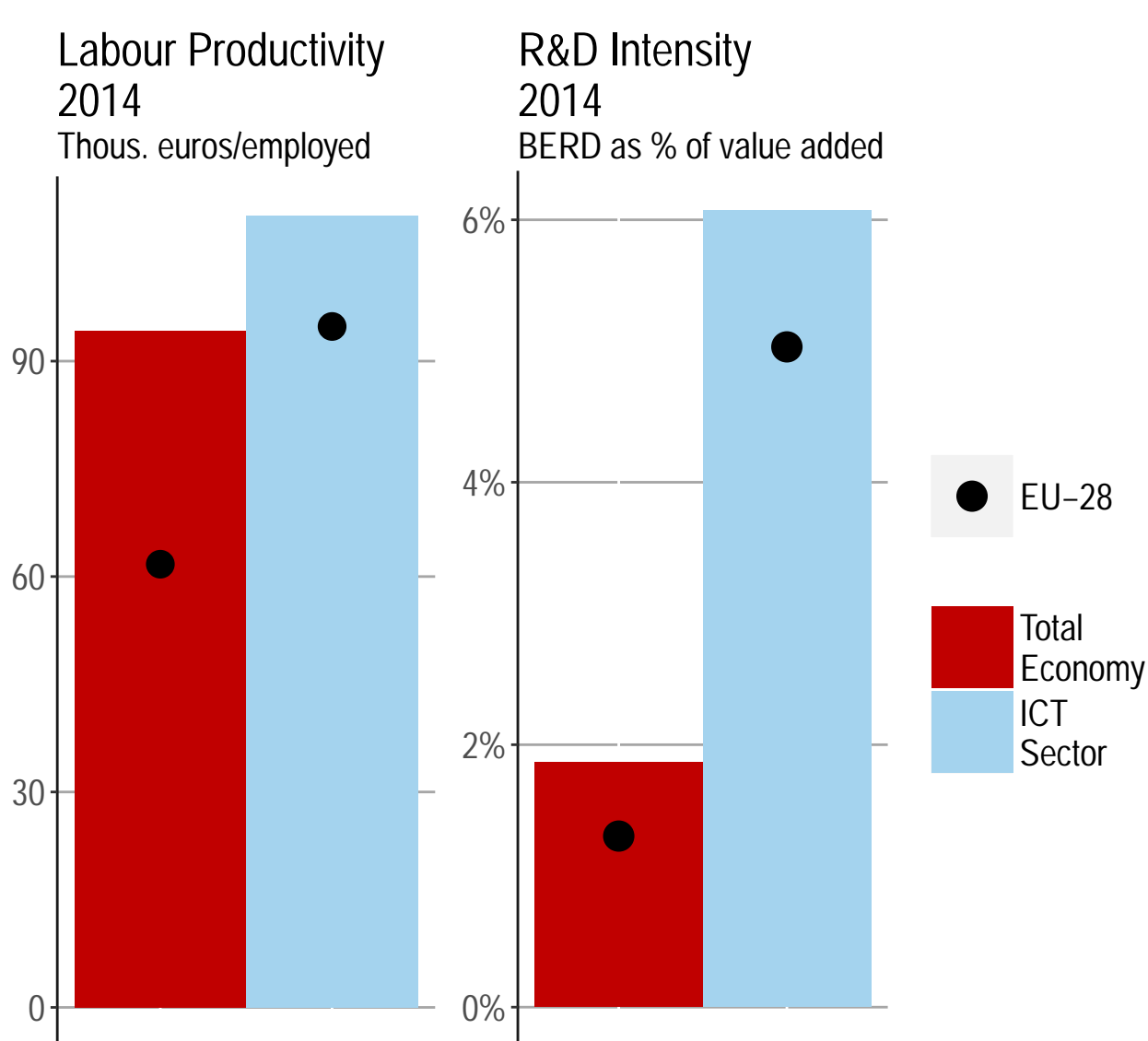
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DK/EU 2014 ¹	DK2014vs DK2006 ³	EU2014vs EU2006 ³
Total economy	3628	4102	4684	4931	4755	4870	4977	4868	4865	2.7%	134	133
ICT sector	697	834	835	891	899	871	748	609	595	2.0%	85	114
Manufacturing	75	81	66	96	61	67	93	83	81	0.7%	108	83
Telecommunications	22	26	46	44	32	52	65	52	30	0.9%	138	86
Computer Services	547	666	711	677	737	687	529	420	412	2.9%	75	180
Wholesale Trade	53	60	11	74	68	65	60	53	72	9.3%	136	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 DK/EU 2014 ²	DK2014vs DK2006 ³	EU2014vs 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



Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share EE/EU 2014 ¹	EE2014vs EE2006 ³	EU2014vs EU2006 ³
Total economy	14	16	17	14	15	17	18	19	20	0.1%	146	114
ICT sector	1	1	1	1	1	1	1	1	1	0.2%	172	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.3%	181	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.1%	82	92
Computer Services	0	0	0	0	0	0	0	0	1	0.2%	388	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.1%	88	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 EE/EU 2014 ¹	EE2014vs EE2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio EE/EU 2014 ²	EE2014vs EE2006 ³	EU2014vs EU2006 ³
Total economy	21	25	26	25	27	29	30	31	33	(0.53)	155	113
ICT sector	34	43	44	41	46	41	47	48	43	(0.45)	128	104
Manufacturing	16	17	20	12	20	23	27	27	34	(0.43)	213	101
Telecommunications	81	149	130	106	196	98	115	77	42	(0.26)	52	99
Computer Services	20	28	33	35	33	34	39	50	46	(0.58)	227	112
Wholesale Trade	57	49	40	61	61	62	49	52	62	(0.75)	108	116

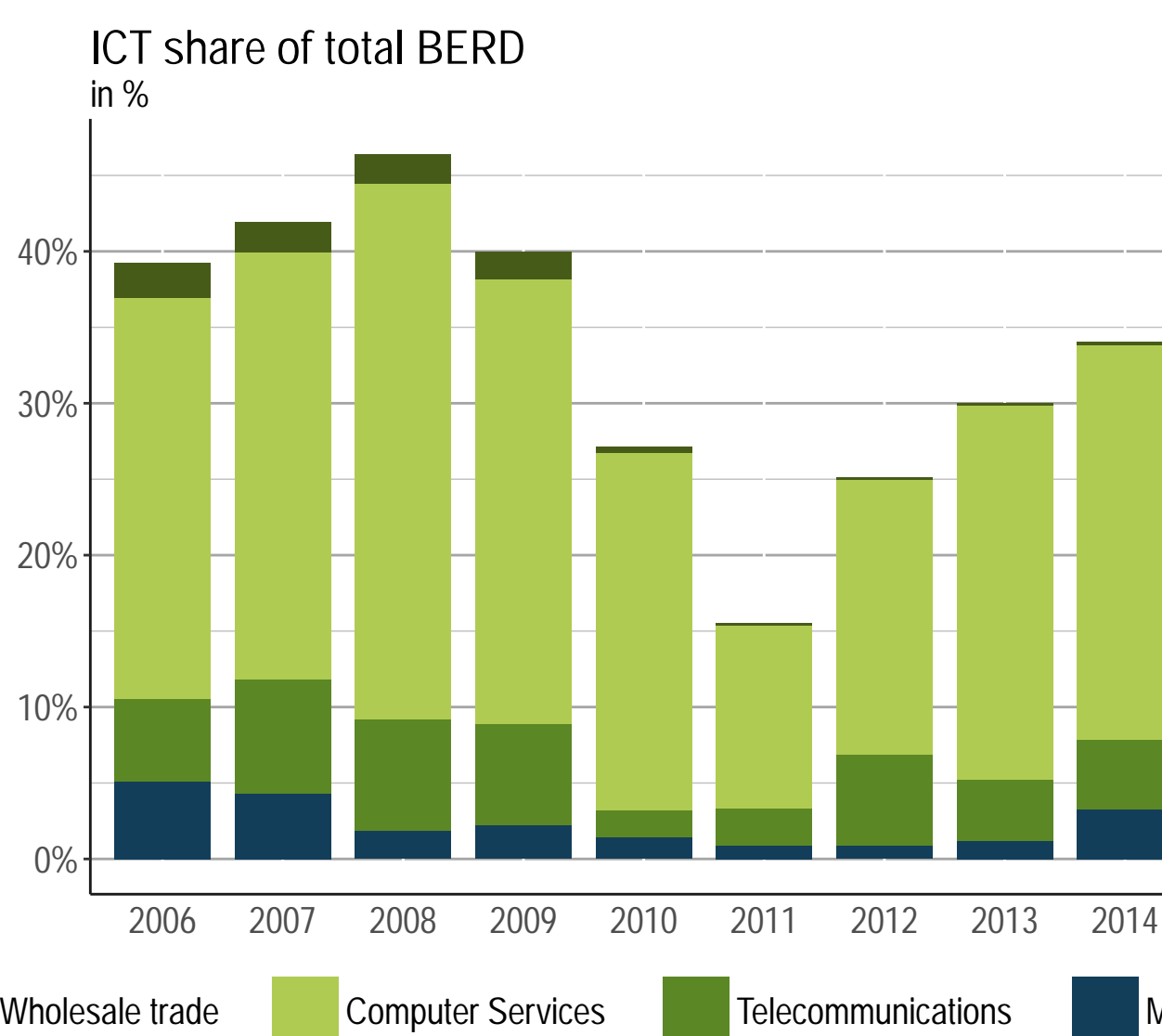
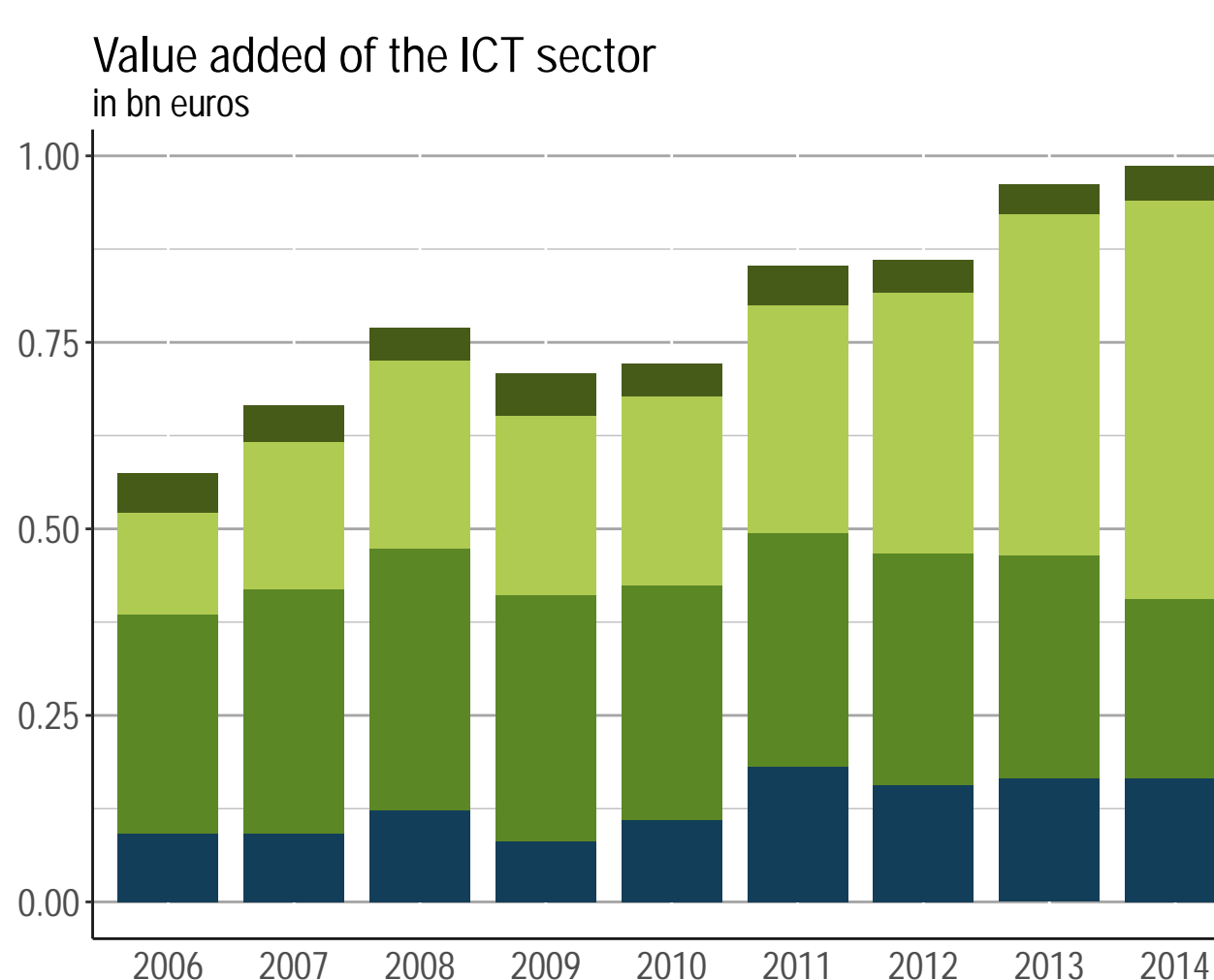
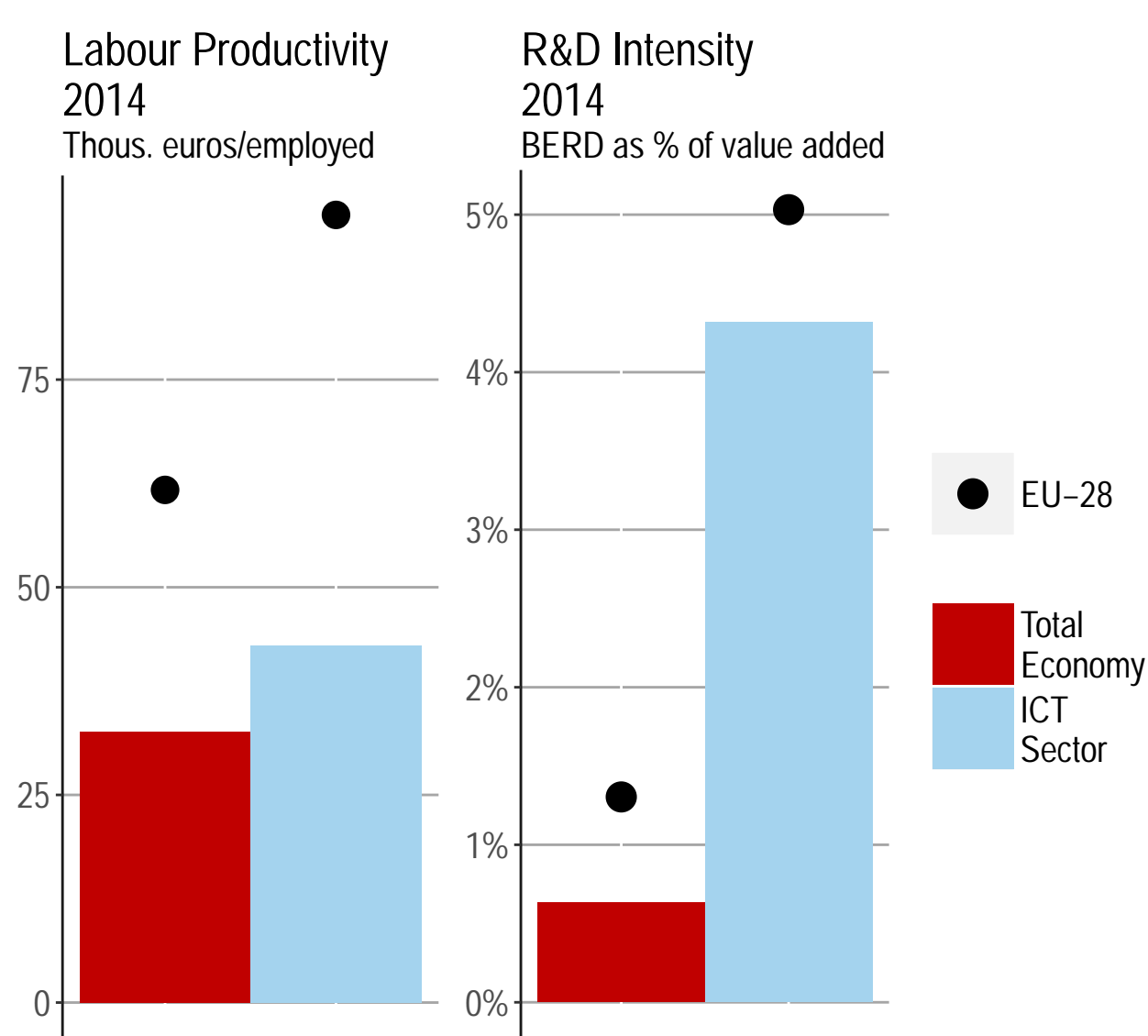
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share EE/EU 2014 ¹	EE2014vs EE2006 ³	EU2014vs EU2006 ³
Total economy	67	82	90	88	117	243	219	156	125	0.1%	186	133
ICT sector	26	34	42	35	32	38	55	47	43	0.1%	162	114
Manufacturing	3	4	2	2	2	2	2	2	4	0.0%	119	83
Telecommunications	4	6	7	6	2	6	13	6	6	0.2%	155	86
Computer Services	18	23	32	26	27	29	40	38	32	0.2%	183	180
Wholesale Trade	2	2	2	2	0	0	0	0	0	0.0%	19	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



Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2014*	2013	2014	Share FI/EU 2014 ¹	FI2014vs FI2006 ³	EU2014vs EU2006 ³
Total economy	173	187	194	181	187	197	200	203	205	1.5%	119	114
ICT sector	15	17	16	12	12	11	7	10	11	1.8%	73	110
Manufacturing	9	10	9	5	5	4	0	2	2	4.5%	26	72
Telecommunications	2	2	2	2	2	2	2	2	2	1.2%	95	92
Computer Services	3	4	4	4	4	4	5	5	6	1.8%	181	139
Wholesale Trade	1	1	1	1	1	1	1	1	1	1.3%	105	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)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share FI/EU 2014 ¹	FI2014vs FI2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio FI/EU 2014 ²	FI2014vs FI2006 ³	EU2014vs EU2006 ³
Total economy	70	74	76	72	75	78	79	81	82	(1.33)	116	113
ICT sector	129	149	146	114	118	107	70	103	111	(1.17)	86	104
Manufacturing	243	281	286	180	197	150	-	126	137	(1.73)	56	101
Telecommunications	121	133	144	161	171	173	170	172	174	(1.06)	143	99
Computer Services	62	74	71	70	72	76	82	83	93	(1.17)	150	112
Wholesale Trade	67	69	80	69	79	87	90	88	93	(1.13)	139	116

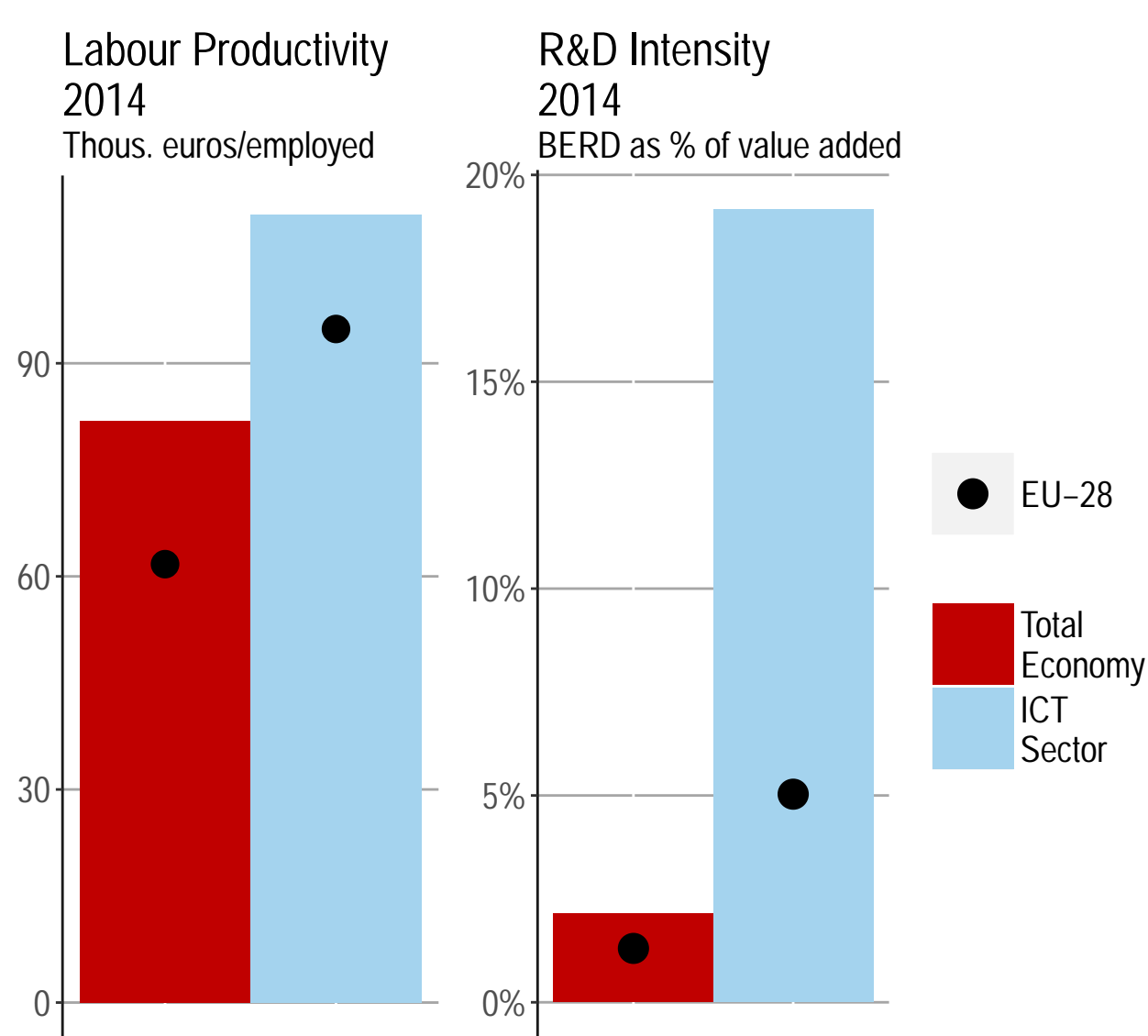
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

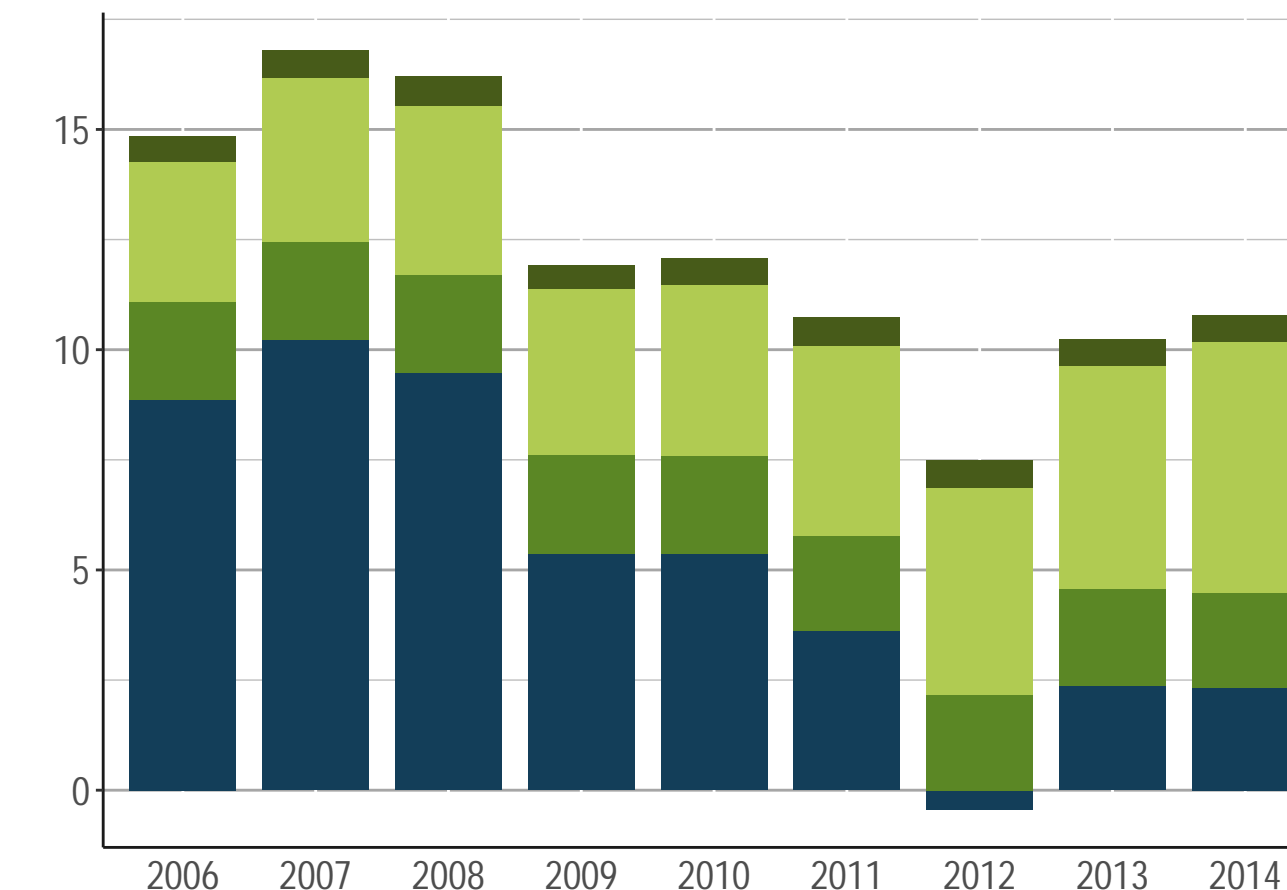
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share FI/EU 2014 ¹	FI2014vs FI2006 ³	EU2014vs EU2006 ³
Total economy	4108	4513	5102	4847	4854	5047	4695	4602	4410	2.4%	107	133
ICT sector	2395	2632	3031	2874	2850	2789	2226	2178	2068	6.9%	86	114
Manufacturing	2044	2221	2610	2504	2465	2370	1786	1666	1599	14.0%	78	83
Telecommunications	61	55	55	45	44	38	25	35	36	1.1%	60	86
Computer Services	287	354	364	321	339	378	412	474	430	3.0%	150	180
Wholesale Trade	3	2	3	3	2	3	3	3	2	0.3%	67	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)

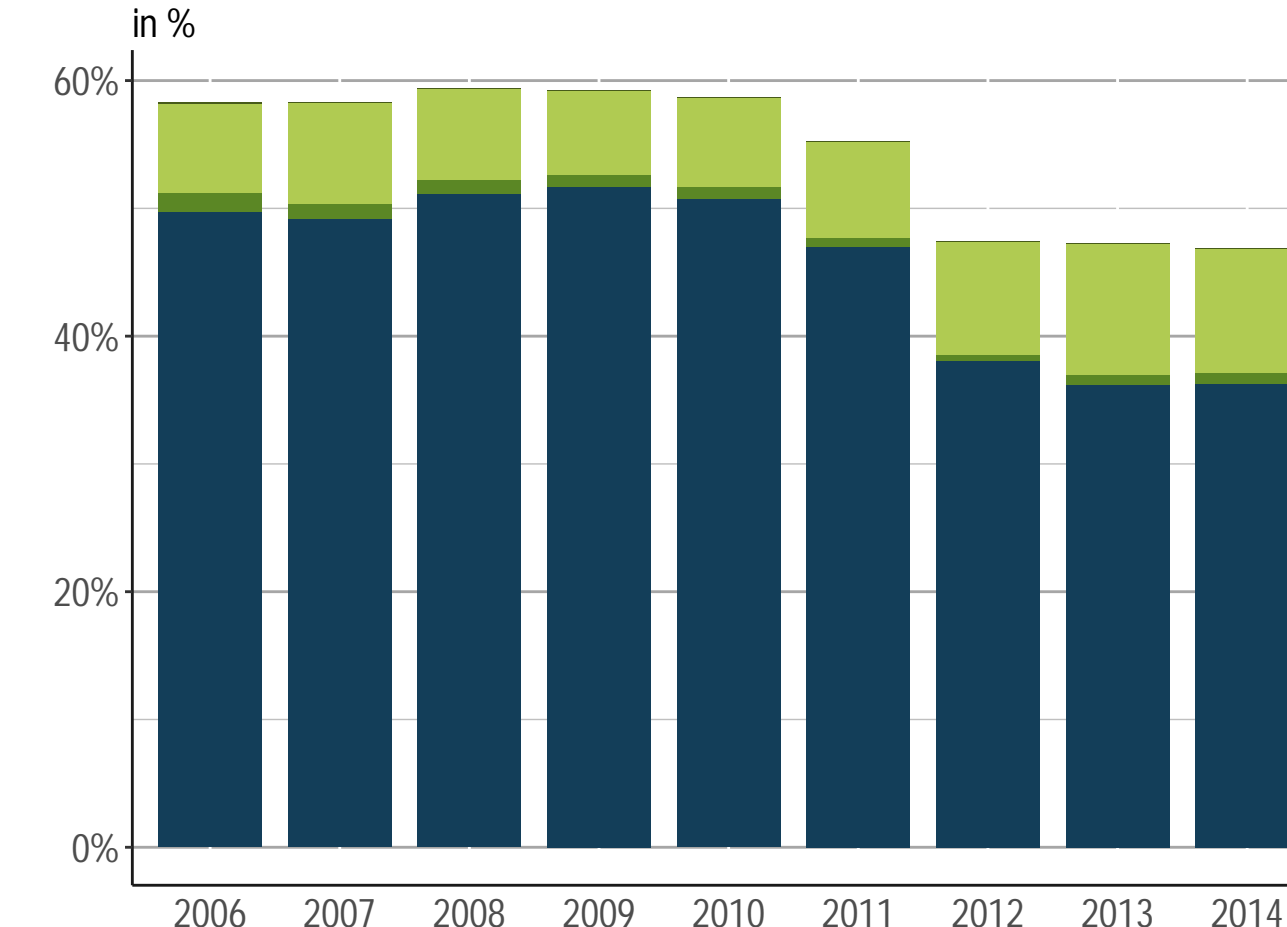
	2006	2007	2008	2009	2010	2011	2014*	2013	2014	Ratio FI/EU 2014 ²	FI2014vs FI2006 ³	EU2014vs EU2006 ³
Total economy	2.4	2.4	2.6	2.7	2.6	2.6	2.4	2.3	2.1	(1.65)	90	117
ICT sector	16.1	15.7	18.7	24.1	23.6	26.0	31.6	21.3	19.2	(3.81)	119	104
Manufacturing	23.1	21.7	27.5	46.7	45.9	65.4	-408.9	70.6	68.4	(3.14)	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



Value added of the ICT sector* in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

- 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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share FR/EU 2014 ¹	FR2014vs FR2006 ³	EU2014vs EU2006 ³
Total economy	1853	1946	1996	1939	1998	2059	2087	2115	2140	15.3%	116	114
ICT sector	89	93	94	90	89	90	91	89	88	14.9%	99	110
Manufacturing	8	8	7	5	6	6	5	5	5	9.0%	58	72
Telecommunications	30	31	31	31	30	29	27	26	23	12.6%	78	92
Computer Services	45	48	50	48	49	51	54	54	55	17.9%	122	139
Wholesale Trade	6	7	6	5	5	5	5	5	5	10.0%	77	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 FR/EU 2014 ¹	FR2014vs FR2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio FR/EU 2014 ²	FR2014vs FR2006 ³	EU2014vs EU2006 ³
Total economy	69	72	73	72	74	76	77	78	78	(1.27)	112	113
ICT sector	119	122	121	117	118	118	115	114	112	(1.18)	94	104
Manufacturing	116	115	100	90	108	113	122	111	108	(1.37)	93	101
Telecommunications	192	201	211	213	212	210	193	190	179	(1.10)	93	99
Computer Services	98	99	100	95	96	97	98	97	99	(1.25)	101	112
Wholesale Trade	96	108	96	93	93	90	83	88	87	(1.05)	91	116

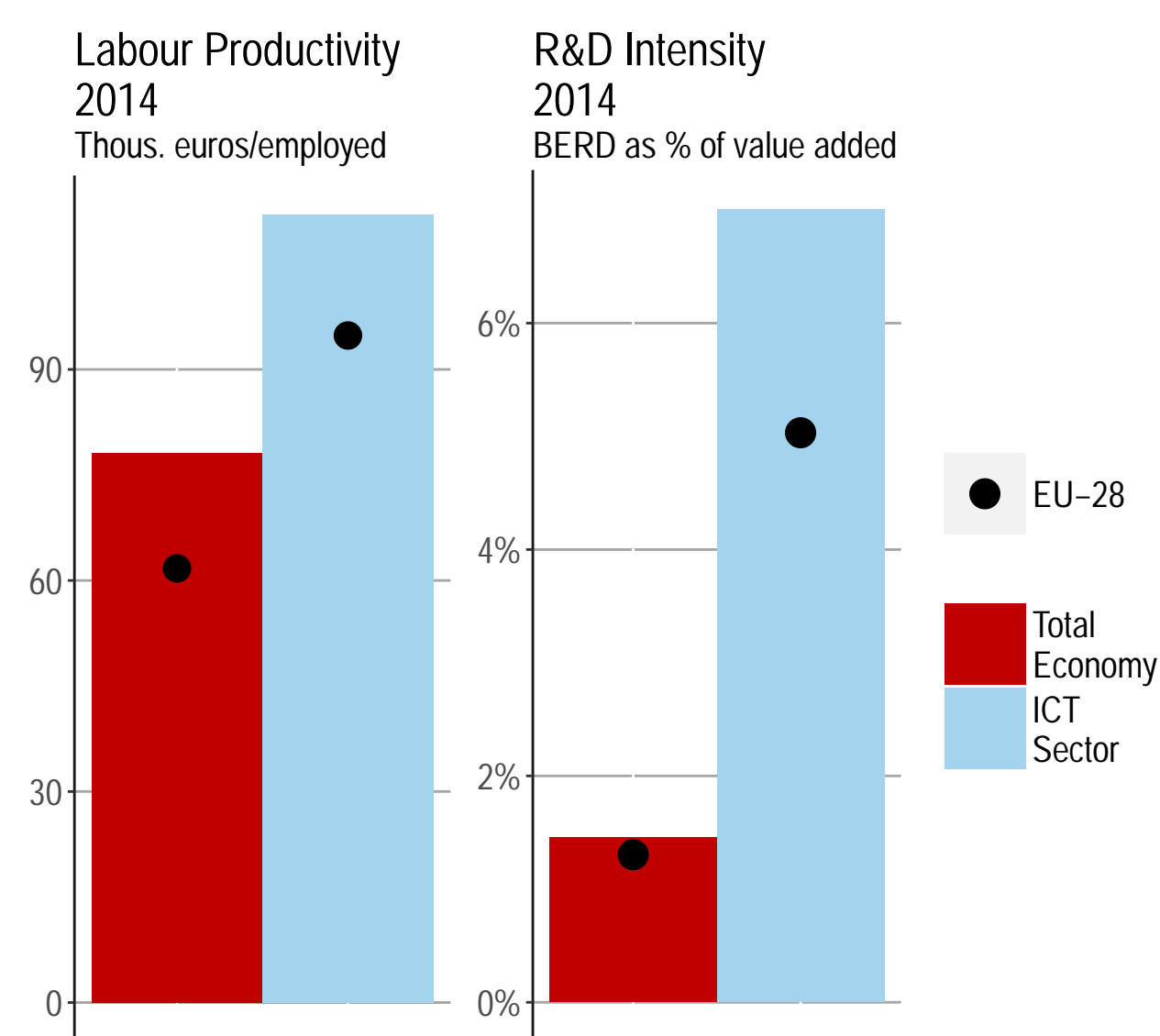
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

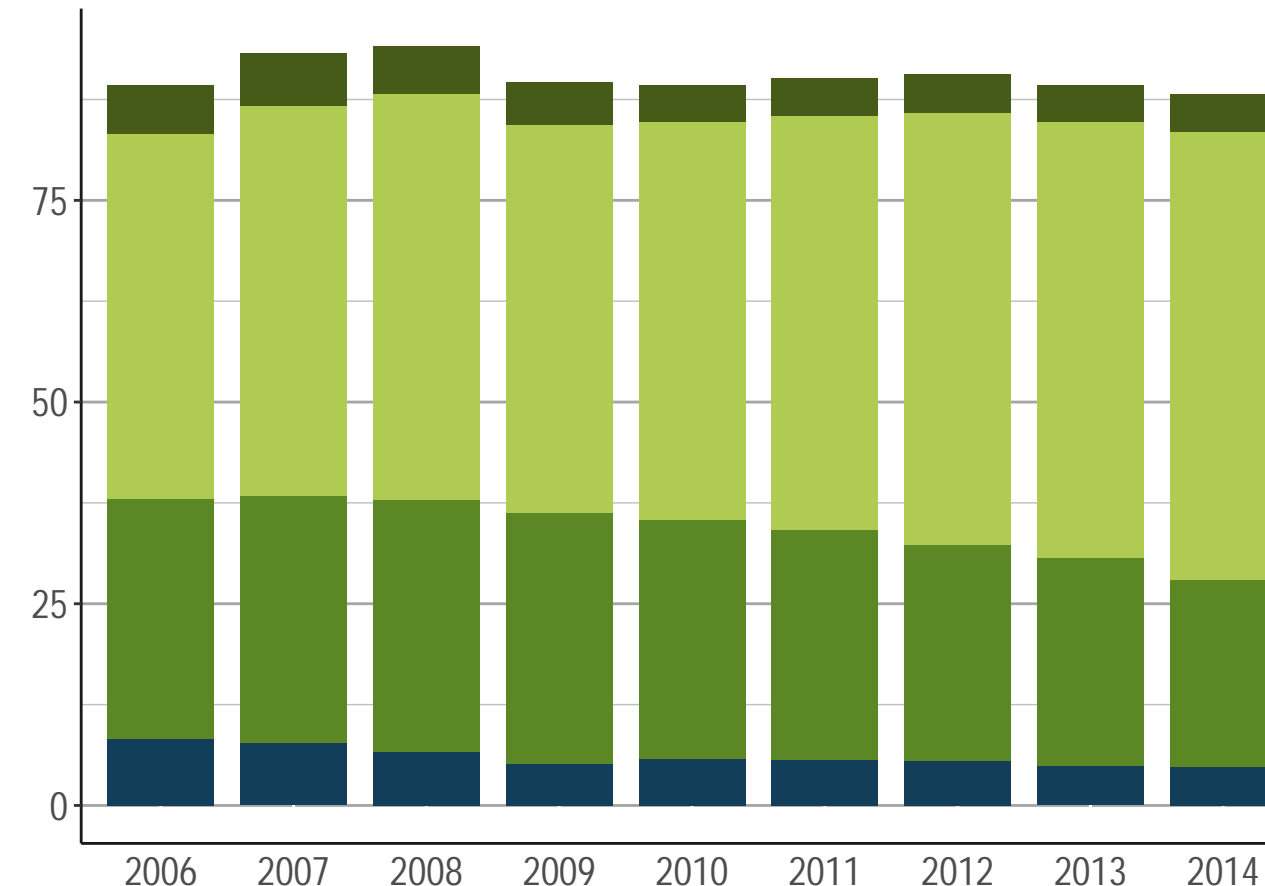
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share FR/EU 2014 ¹	FR2014vs FR2006 ³	EU2014vs EU2006 ³
Total economy	23911	24753	25761	26426	27455	28851	30041	30708	31133	17.1%	130	133
ICT sector	4679	4640	4536	4528	4584	4783	5191	5705	6171	20.7%	132	114
Manufacturing	2562	2401	2069	1793	1577	1716	1793	2034	2211	19.4%	86	83
Telecommunications	703	743	719	689	662	596	721	840	966	28.9%	137	86
Computer Services	1297	1366	1632	1871	2204	2350	2525	2726	2897	20.2%	223	180
Wholesale Trade	117	130	115	175	142	121	152	105	98	12.5%	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)

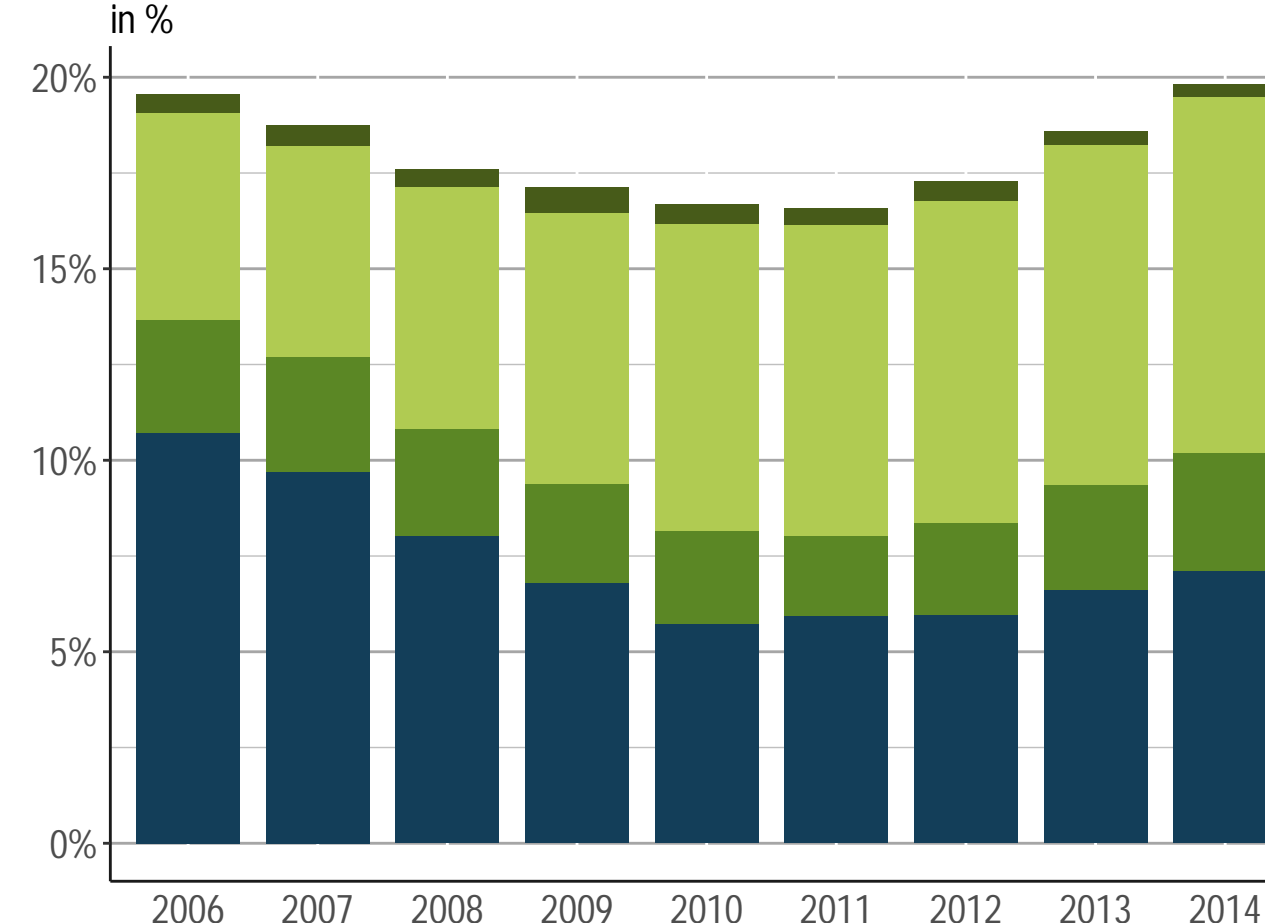
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio FR/EU 2014 ²	FR2014vs FR2006 ³	EU2014vs EU2006 ³
Total economy	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	(1.12)	113	117
ICT sector	5.2	5.0	4.8	5.0	5.1	5.3	5.7	6.4	7.0	(1.39)	134	104
Manufacturing	31.2	30.8	31.1	34.8	27.6	30.6	32.8	41.0	46.9	(2.15)	150	115
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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DE/EU 2014 ¹	DE2014vs DE2006 ³	EU2014vs EU2006 ³
Total economy	2393	2513	2562	2460	2580	2703	2758	2826	2924	20.9%	122	114
ICT sector	96	104	103	98	99	106	109	114	121	20.4%	127	110
Manufacturing	17	21	18	12	14	13	12	12	14	26.0%	78	72
Telecommunications	36	35	34	31	27	27	26	25	26	14.1%	72	92
Computer Services	36	41	43	45	47	55	60	67	70	22.6%	195	139
Wholesale Trade	6	7	9	10	11	11	11	11	11	24.6%	185	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 DE/EU 2014 ¹	DE2014vs DE2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio DE/EU 2014 ²	DE2014vs DE2006 ³	EU2014vs EU2006 ³
Total economy	60	62	63	60	63	65	66	67	69	(1.11)	114	113
ICT sector	94	99	93	93	94	99	100	103	107	(1.13)	113	104
Manufacturing	103	121	94	76	93	91	82	87	98	(1.24)	94	101
Telecommunications	184	173	174	180	191	201	205	199	209	(1.28)	114	99
Computer Services	66	73	72	72	73	82	86	92	94	(1.19)	143	112
Wholesale Trade	60	65	68	100	90	85	96	87	93	(1.13)	156	116

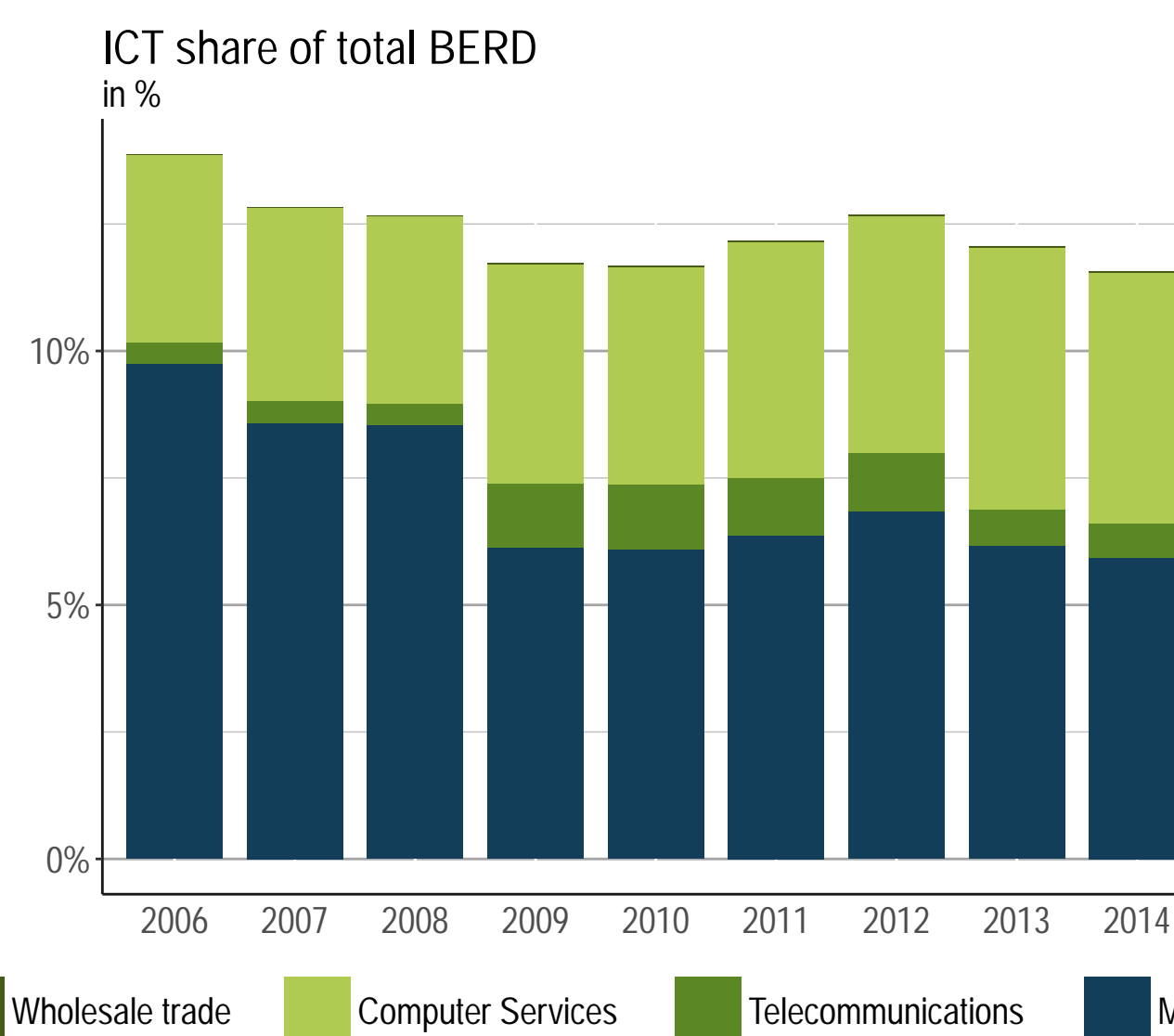
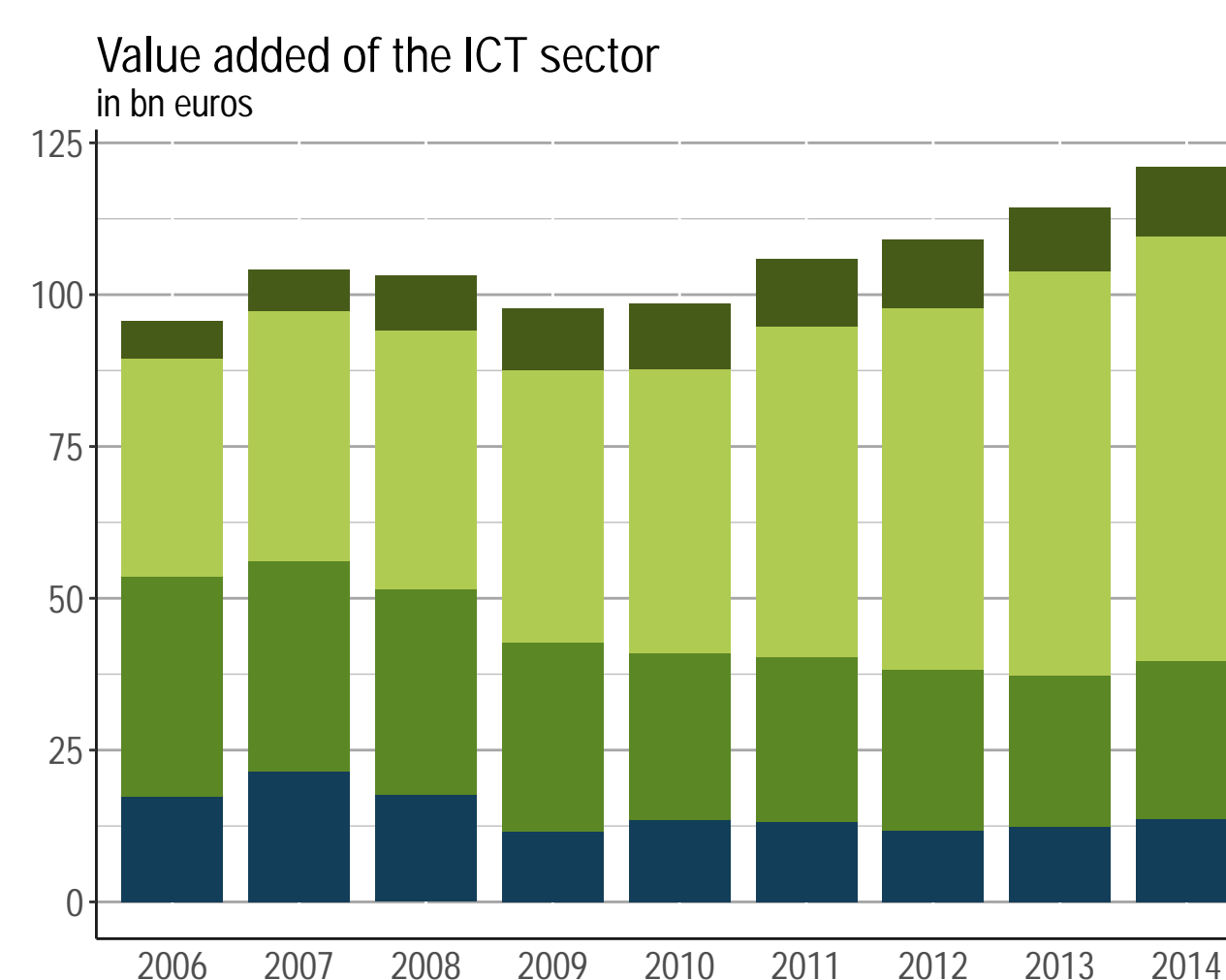
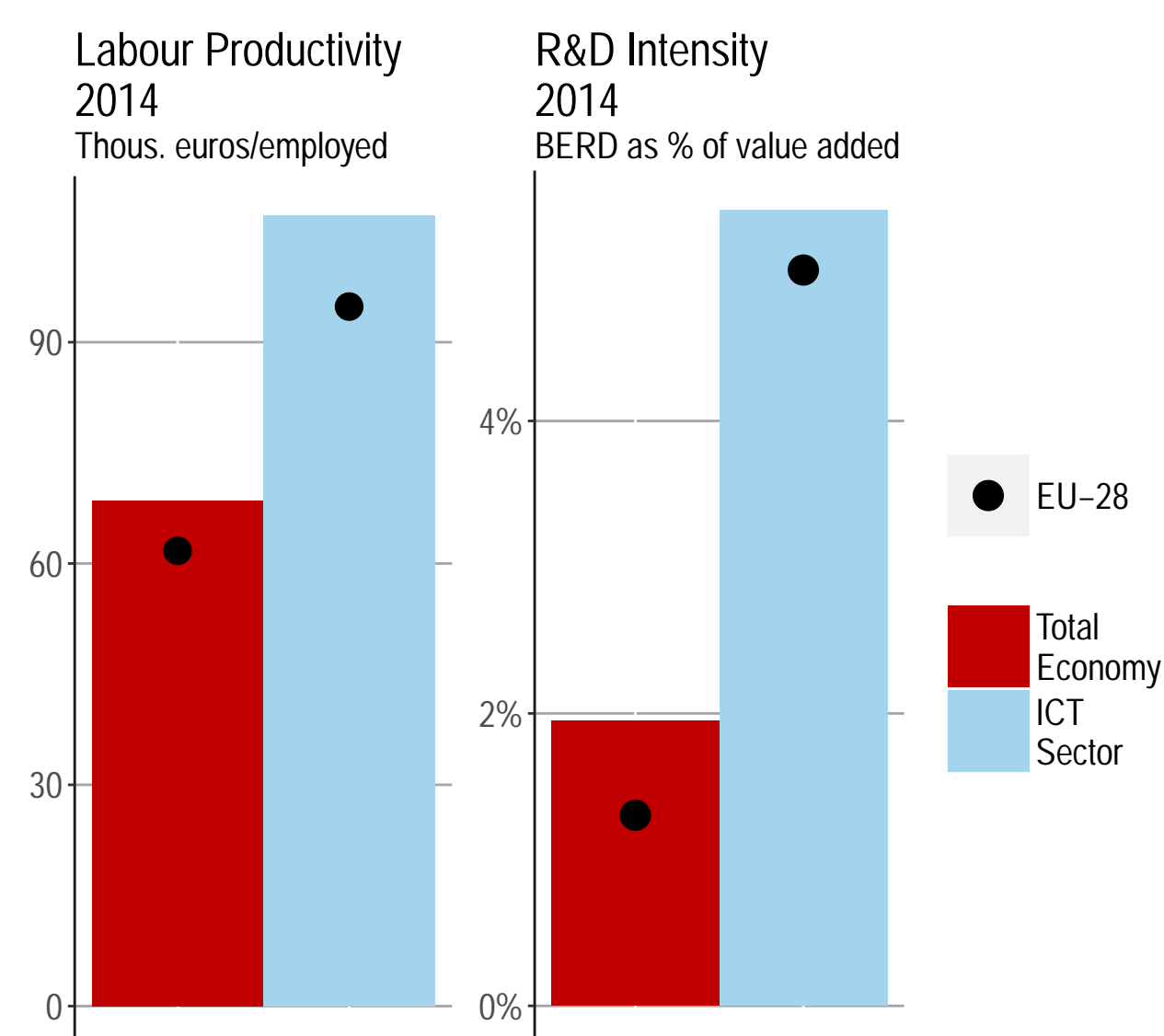
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share DE/EU 2014 ¹	DE2014vs DE2006 ³	EU2014vs EU2006 ³
Total economy	41148	43034	46073	45275	46929	51077	53790	53566	56996	31.2%	138	133
ICT sector	5709	5517	5834	5309	5482	6215	6824	6458	6590	22.1%	115	114
Manufacturing	4014	3692	3937	2778	2861	3259	3683	3306	3379	29.6%	84	83
Telecommunications	170	192	192	570	603	571	621	374	381	11.4%	224	86
Computer Services	1522	1630	1699	1953	2007	2373	2508	2766	2818	19.7%	185	180
Wholesale Trade	3	5	6	9	11	12	13	11	12	1.5%	416	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



Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share GR/EU 2014 ¹	GR2014vs GR2006 ³	EU2014vs EU2006 ³
Total economy	218	233	242	238	226	207	191	181	178	1.3%	82	114
ICT sector	7	7	7	8	7	6	5	5	5	0.8%	74	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.2%	99	72
Telecommunications	5	5	5	5	5	4	4	3	3	1.8%	69	92
Computer Services	1	1	1	1	1	1	1	1	1	0.4%	84	139
Wholesale Trade	0	0	1	1	0	0	1	0	0	0.9%	86	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 GR/EU 2014 ¹	GR2014vs GR2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio GR/EU 2014 ²	GR2014vs GR2006 ³	EU2014vs EU2006 ³
Total economy	46	49	50	49	48	47	47	46	45	(0.73)	98	113
ICT sector	101	104	101	114	97	89	79	76	71	(0.75)	70	104
Manufacturing	34	40	40	43	65	68	59	63	72	(0.91)	214	101
Telecommunications	158	180	177	187	174	152	132	122	113	(0.69)	71	99
Computer Services	60	51	43	50	43	39	38	39	42	(0.53)	69	112
Wholesale Trade	47	46	49	90	32	49	54	52	37	(0.45)	79	116

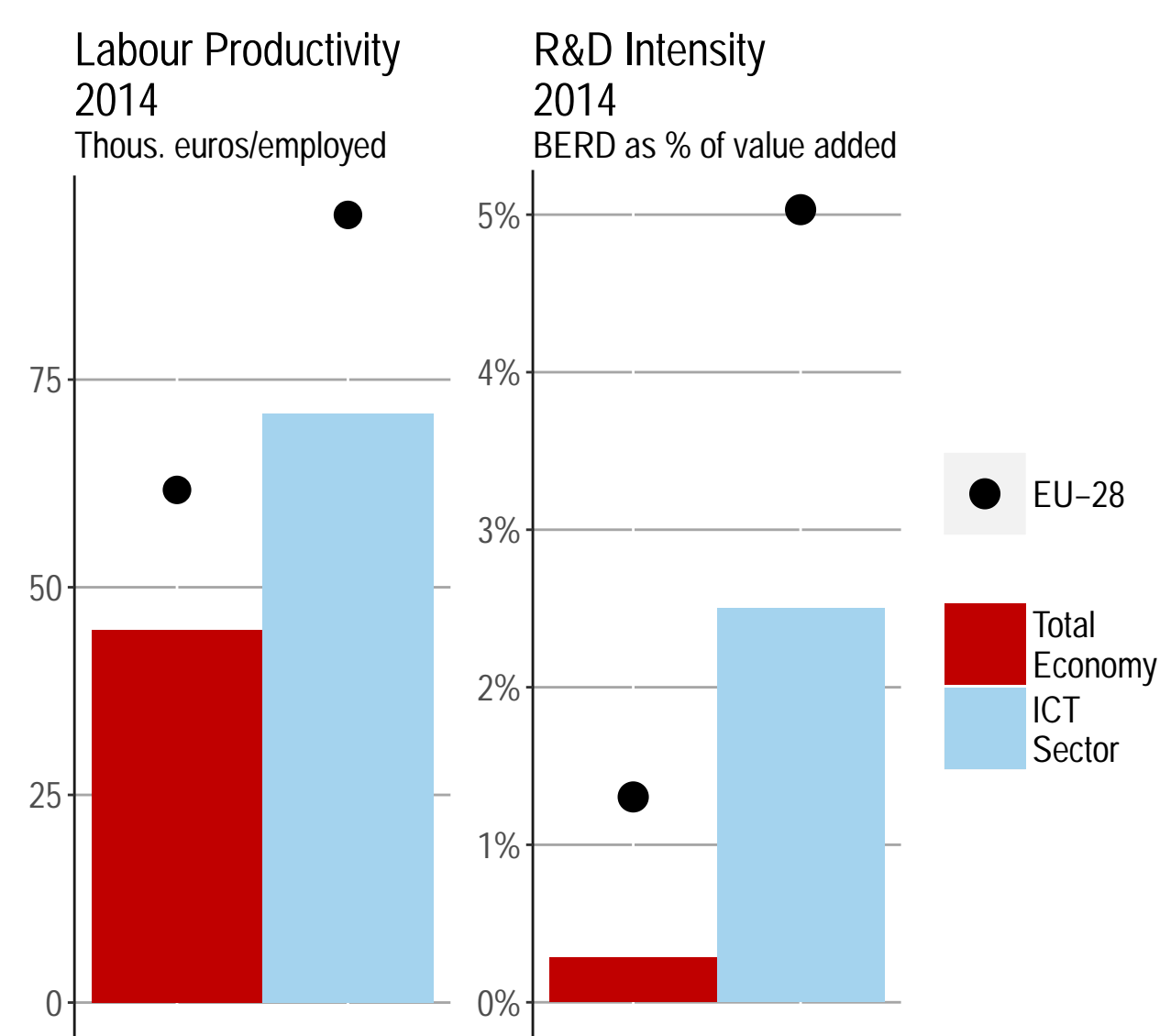
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

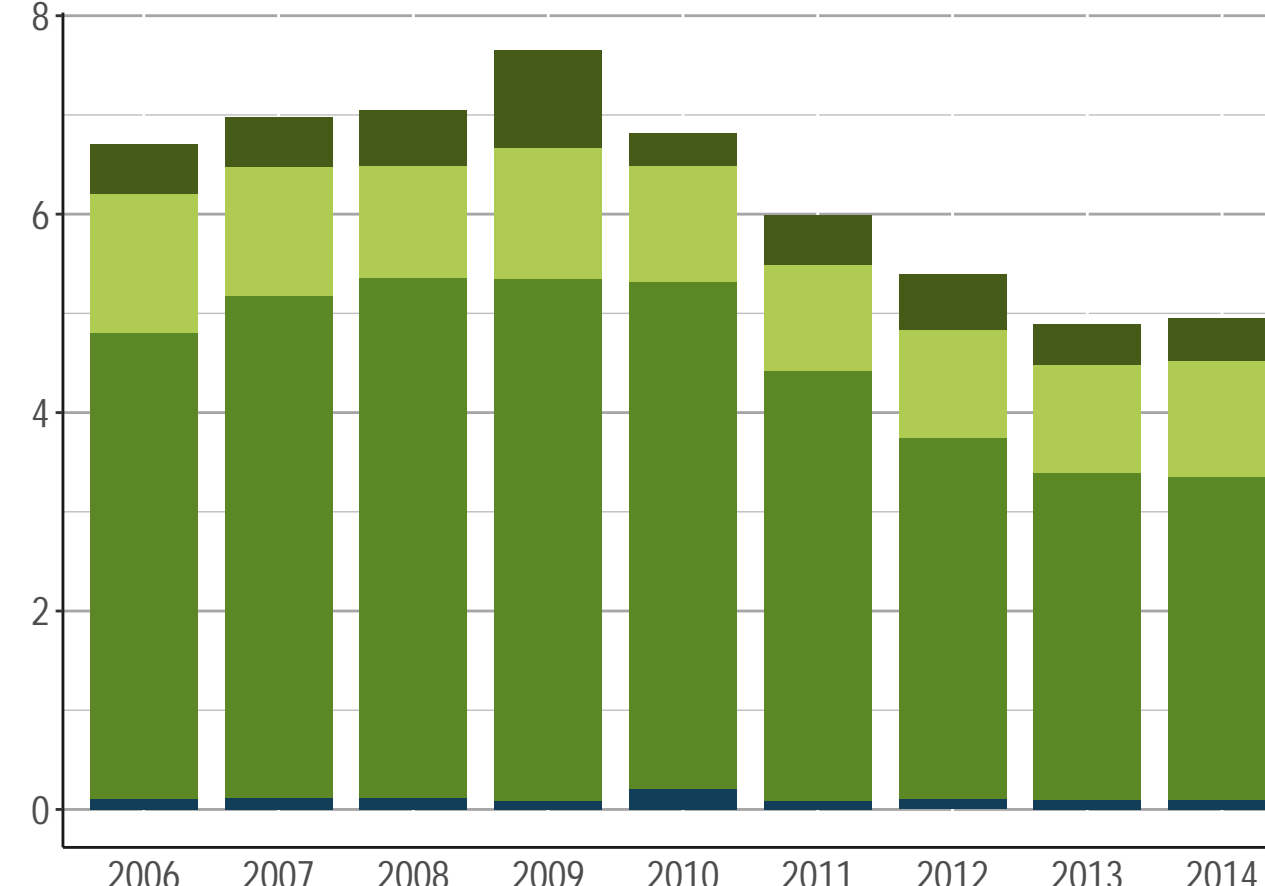
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share GR/EU 2014 ¹	GR2014vs GR2006 ³	EU2014vs EU2006 ³
Total economy	367	384	501	538	533	486	459	489	504	0.3%	137	133
ICT sector	152	211	229	198	148	92	100	119	124	0.4%	81	114
Manufacturing	49	49	51	41	31	20	18	14	13	0.1%	26	83
Telecommunications	5	3	21	34	37	29	15	11	12	0.4%	218	86
Computer Services	97	157	156	121	79	41	48	61	65	0.5%	67	180
Wholesale Trade	1	2	2	2	2	2	19	32	34	4.4%	2339	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%			

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

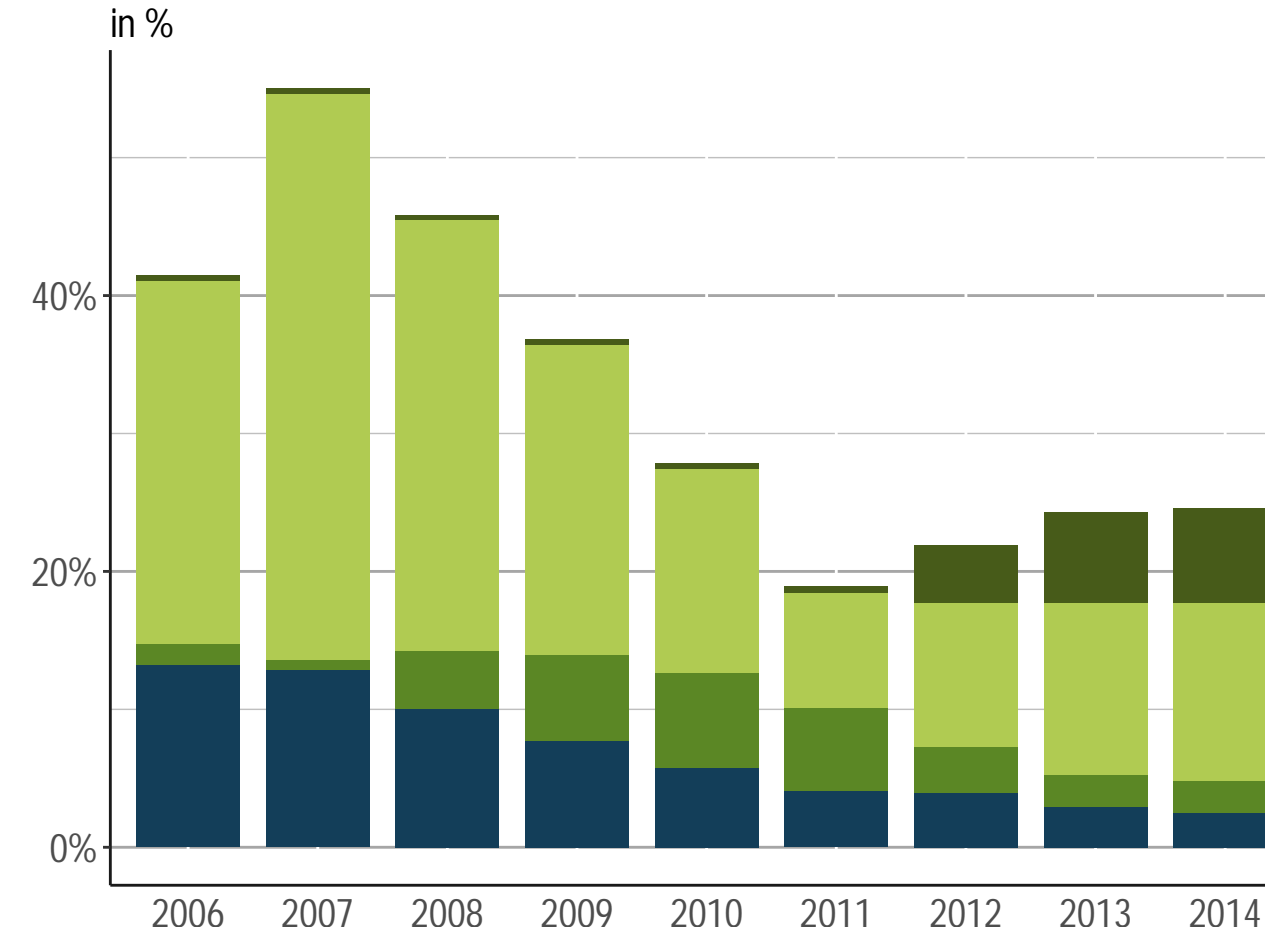
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio GR/EU 2014 ²	GR2014vs GR2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	(0.22)	168	117
ICT sector	2.3	3.0	3.3	2.6	2.2	1.5	1.9	2.4	2.5	(0.50)	110	104
Manufacturing	46.6	42.5	43.3	47.4	15.1	21.8	16.5	14.8	12.1	(0.56)	26	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade (dark green), Computer Services (light green), Telecommunications (medium green), Manufacturing (dark blue)

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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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.

HUNGARY (HU)

Economic and industry trends

Value added (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share HU/EU 2014 ¹	HU2014vs HU2006 ³	EU2014vs EU2006 ³
Total economy	91	102	108	94	98	101	99	101	105	0.8%	115	114
ICT sector	5	5	6	5	5	6	5	5	5	0.9%	102	110
Manufacturing	2	1	2	1	1	2	1	2	1	2.8%	78	72
Telecommunications	2	2	2	2	2	2	1	1	1	0.8%	71	92
Computer Services	1	1	2	2	2	2	2	2	2	0.7%	181	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.5%	169	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 HU/EU 2014 ¹	HU2014vs HU2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio HU/EU 2014 ²	HU2014vs HU2006 ³	EU2014vs EU2006 ³
Total economy	22	24	26	23	25	25	25	25	25	(0.40)	114	113
ICT sector	33	30	37	36	33	33	32	35	32	(0.34)	99	104
Manufacturing	22	14	20	20	18	21	19	24	23	(0.29)	104	101
Telecommunications	85	95	108	86	77	70	64	64	64	(0.39)	75	99
Computer Services	25	31	33	37	37	34	35	35	31	(0.39)	122	112
Wholesale Trade	60	55	48	39	48	54	49	53	36	(0.44)	60	116

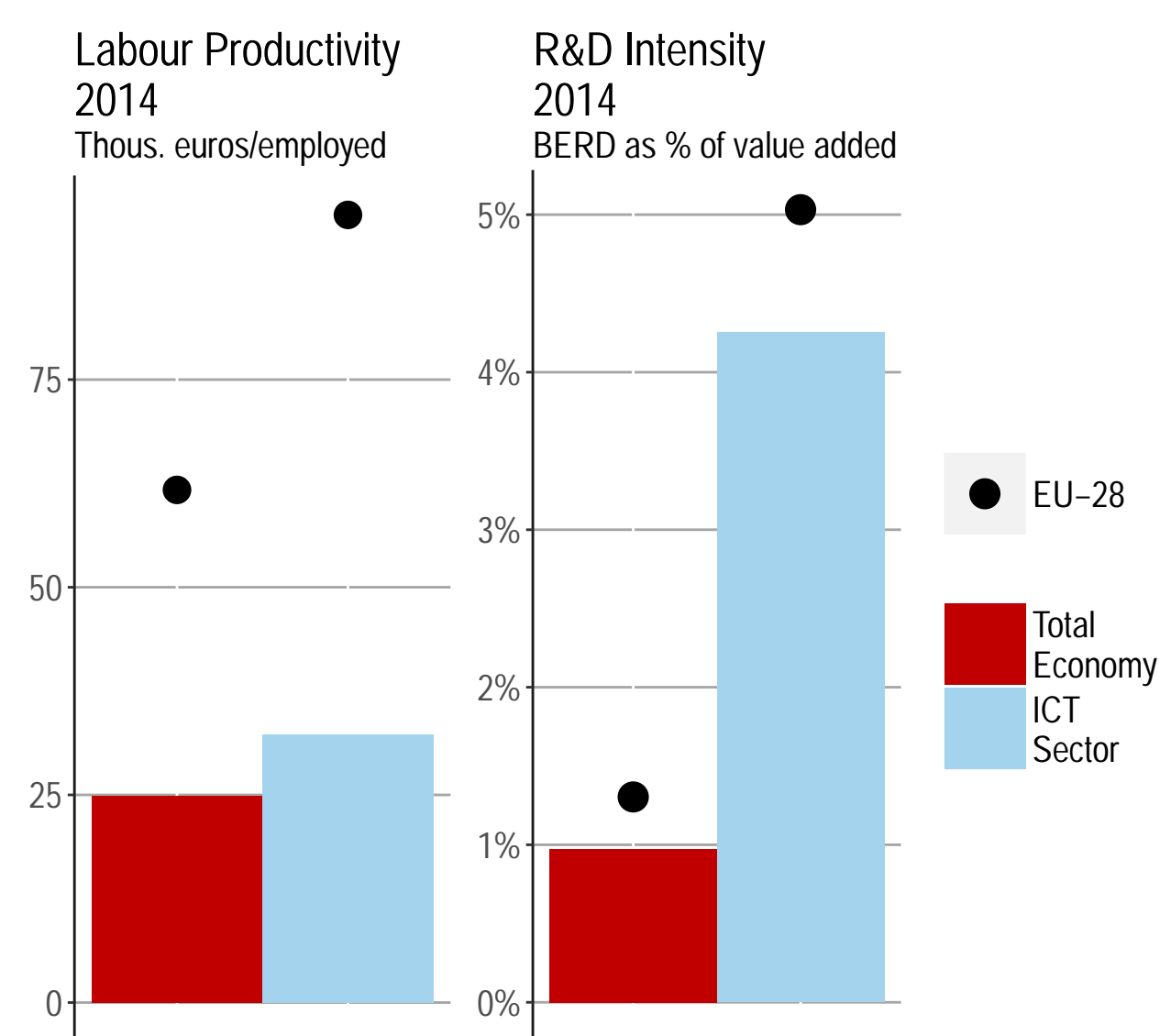
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

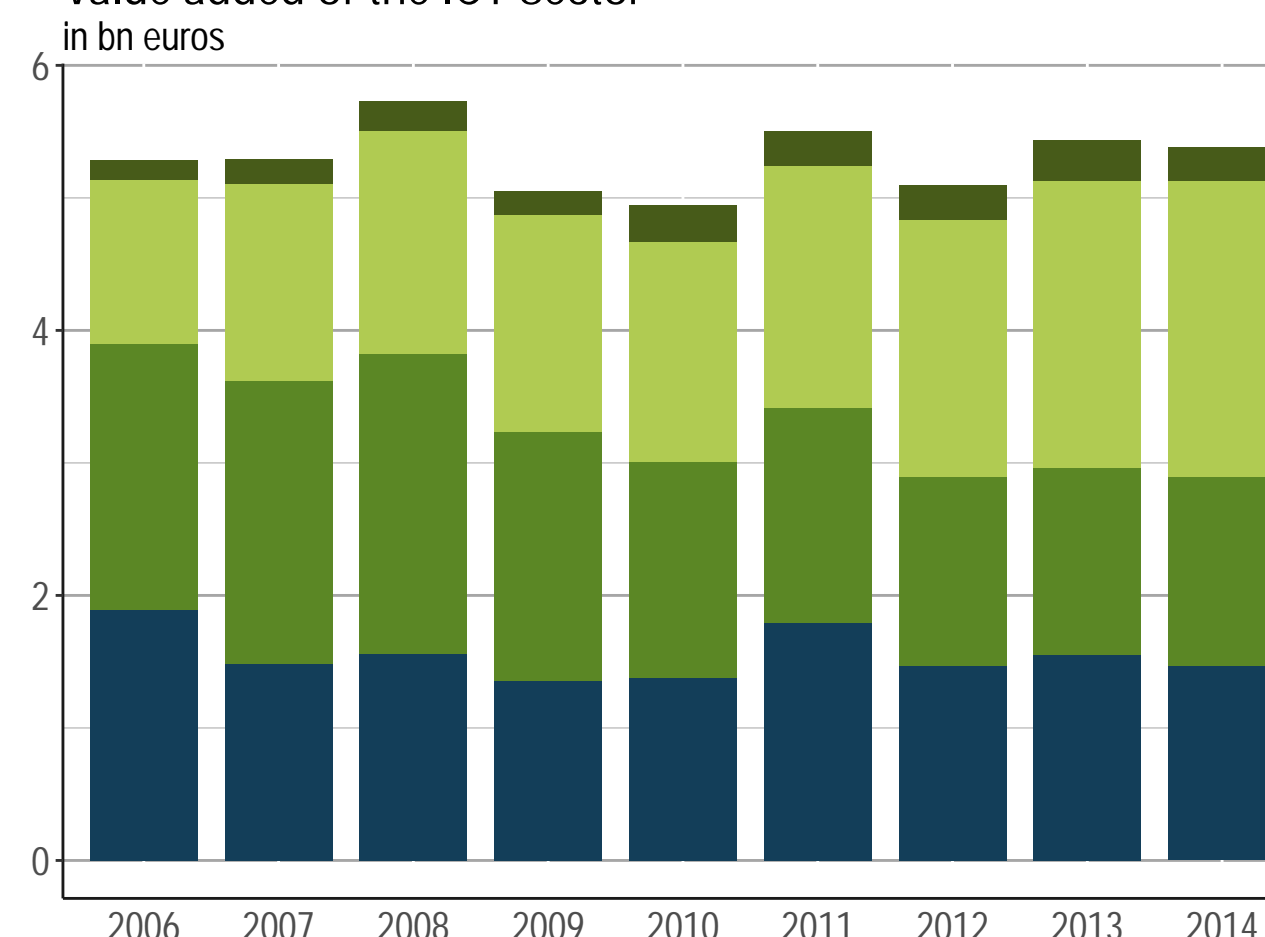
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share HU/EU 2014 ¹	HU2014vs HU2006 ³	EU2014vs EU2006 ³
Total economy	435	492	557	611	674	752	825	983	1022	0.6%	235	133
ICT sector	50	61	77	111	99	116	158	206	229	0.8%	454	114
Manufacturing	33	43	35	41	45	50	46	47	15	0.1%	45	83
Telecommunications	2	1	2	2	1	2	2	5	38	1.1%	2313	86
Computer Services	15	16	38	65	49	59	109	150	172	1.2%	1146	180
Wholesale Trade	1	0	1	3	5	5	2	4	4	0.5%	439	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)

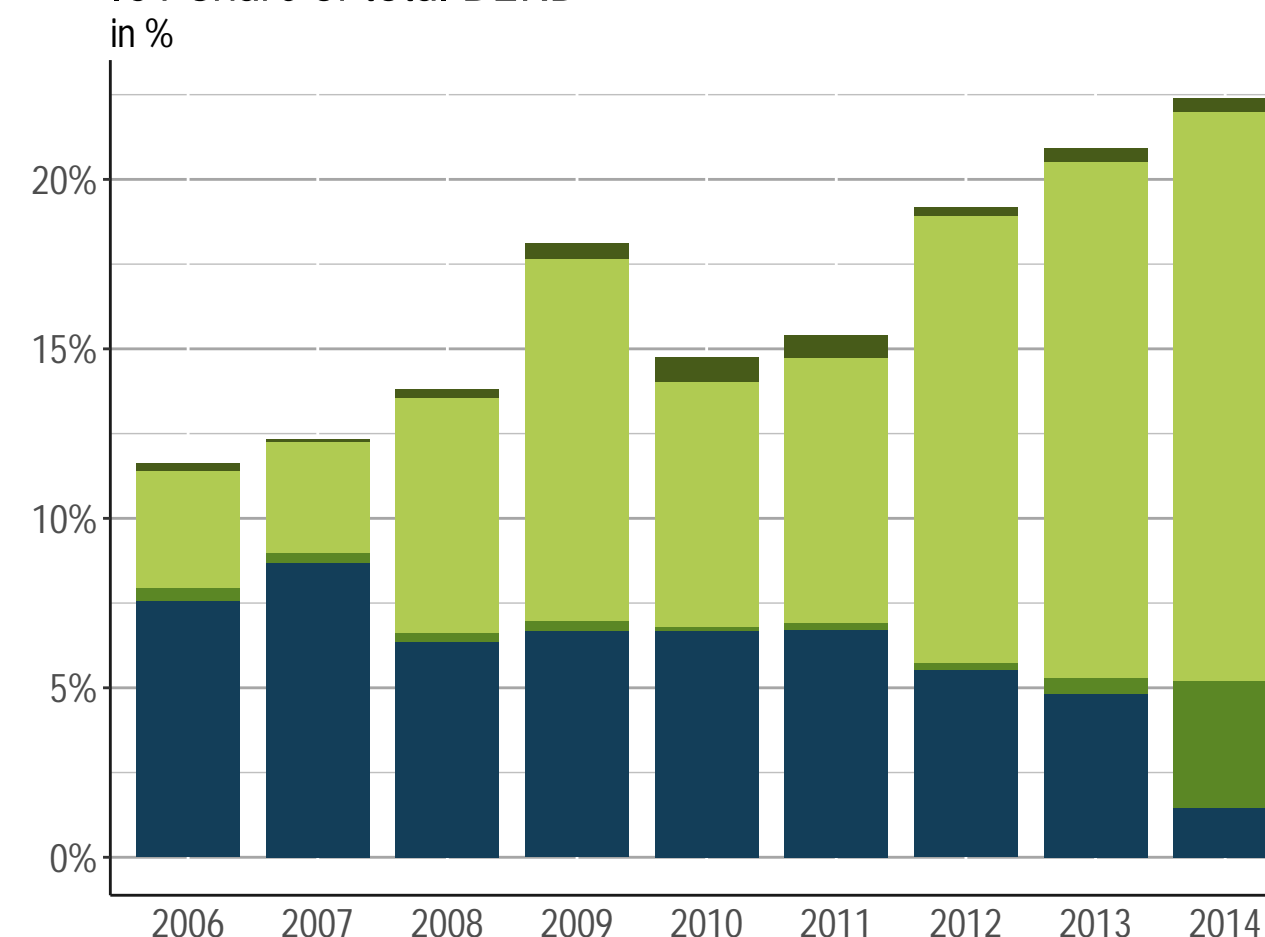
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio HU/EU 2014 ²	HU2014vs HU2006 ³	EU2014vs EU2006 ³
Total economy	0.5	0.5	0.5	0.7	0.7	0.7	0.8	1.0	1.0	(0.75)	205	117
ICT sector	1.0	1.1	1.3	2.2	2.0	2.1	3.1	3.8	4.3	(0.84)	445	104
Manufacturing	1.7	2.9	2.3	3.0	3.3	2.8	3.1	3.0	1.0	(0.05)	58	115
Telecommunications	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



Value added of the ICT sector



ICT share of total BERD



Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IE/EU 2014 ¹	IE2014vs IE2006 ³	EU2014vs EU2006 ³
Total economy	185	197	188	170	167	173	176	180	193	1.4%	104	114
ICT sector	15	15	16	16	18	19	21	23	23	4.0%	160	110
Manufacturing	5	4	3	3	3	3	2	2	2	4.4%	51	72
Telecommunications	2	2	3	3	3	3	3	2	2	1.3%	115	92
Computer Services	7	8	9	9	11	12	14	16	17	5.5%	250	139
Wholesale Trade	1	1	1	1	2	1	2	2	2	3.6%	138	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 IE/EU 2014 ¹	IE2014vs IE2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio IE/EU 2014 ²	IE2014vs IE2006 ³	EU2014vs EU2006 ³
Total economy	90	92	88	86	89	92	94	94	100	(1.61)	110	113
ICT sector	159	167	166	170	191	248	262	289	291	(3.06)	182	104
Manufacturing	162	141	109	131	116	151	173	197	179	(2.26)	110	101
Telecommunications	105	107	131	121	133	197	215	224	247	(1.52)	235	99
Computer Services	173	203	217	210	236	316	328	353	355	(4.47)	206	112
Wholesale Trade	277	284	194	223	350	207	170	171	170	(2.06)	61	116

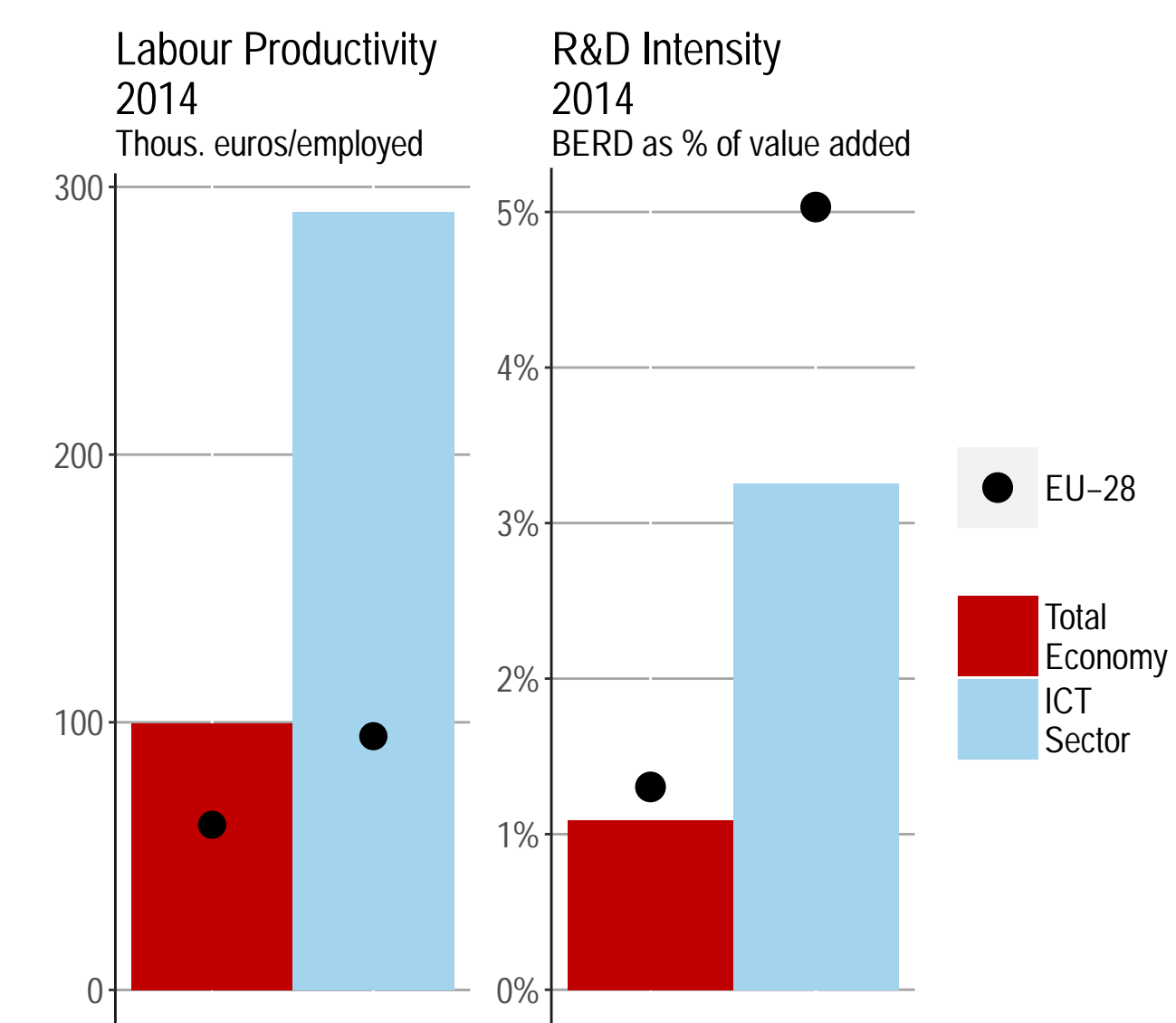
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

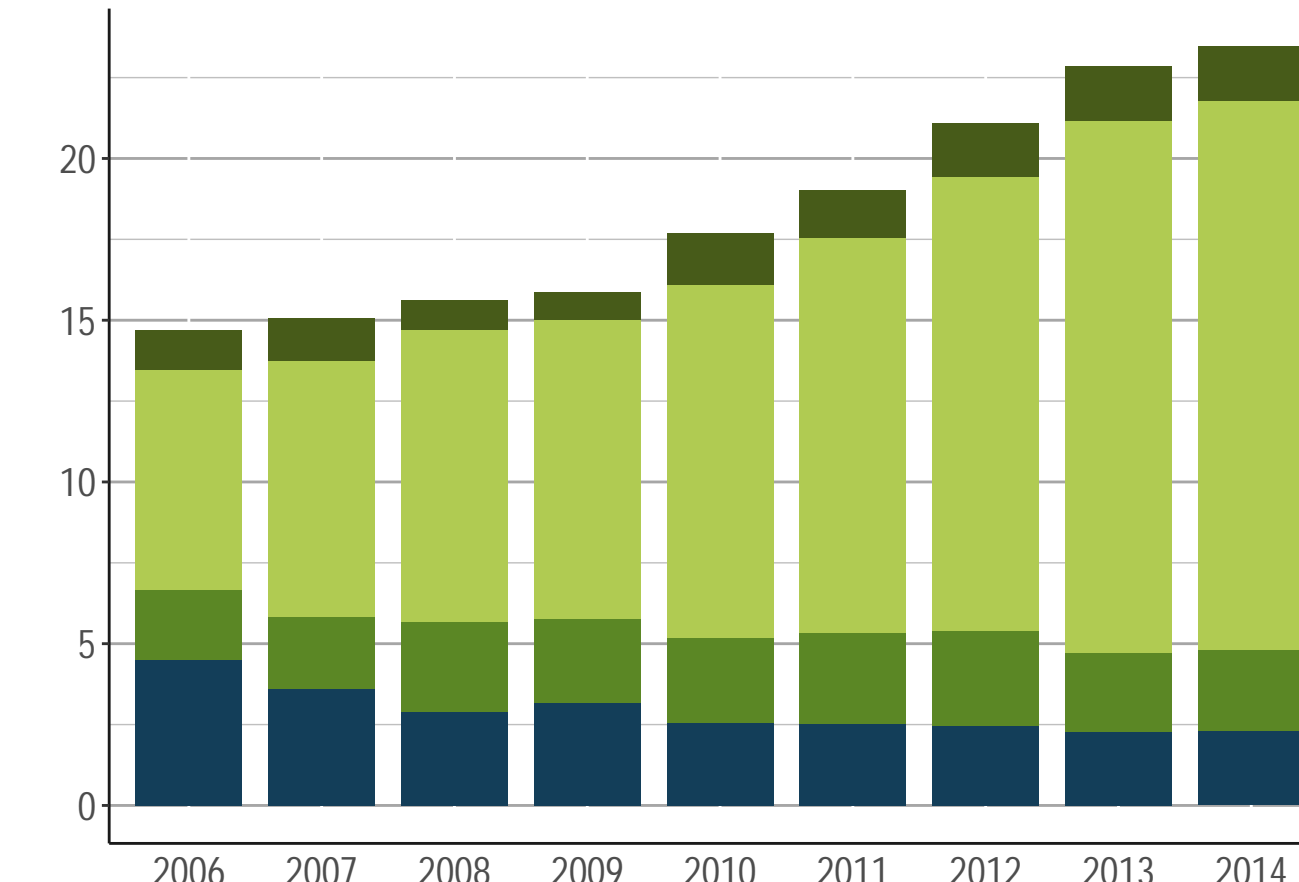
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IE/EU 2014 ¹	IE2014vs IE2006 ³	EU2014vs EU2006 ³
Total economy	1466	1603	1687	1868	1834	1860	1962	2022	2107	1.2%	144	133
ICT sector	598	598	632	733	719	816	733	743	764	2.6%	128	114
Manufacturing	170	131	117	111	108	102	55	28	27	0.2%	16	83
Telecommunications	14	15	14	6	6	12	13	15	16	0.5%	112	86
Computer Services	374	375	420	481	472	559	580	625	659	4.6%	176	180
Wholesale Trade	39	78	81	136	133	144	85	75	62	8.0%	158	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)

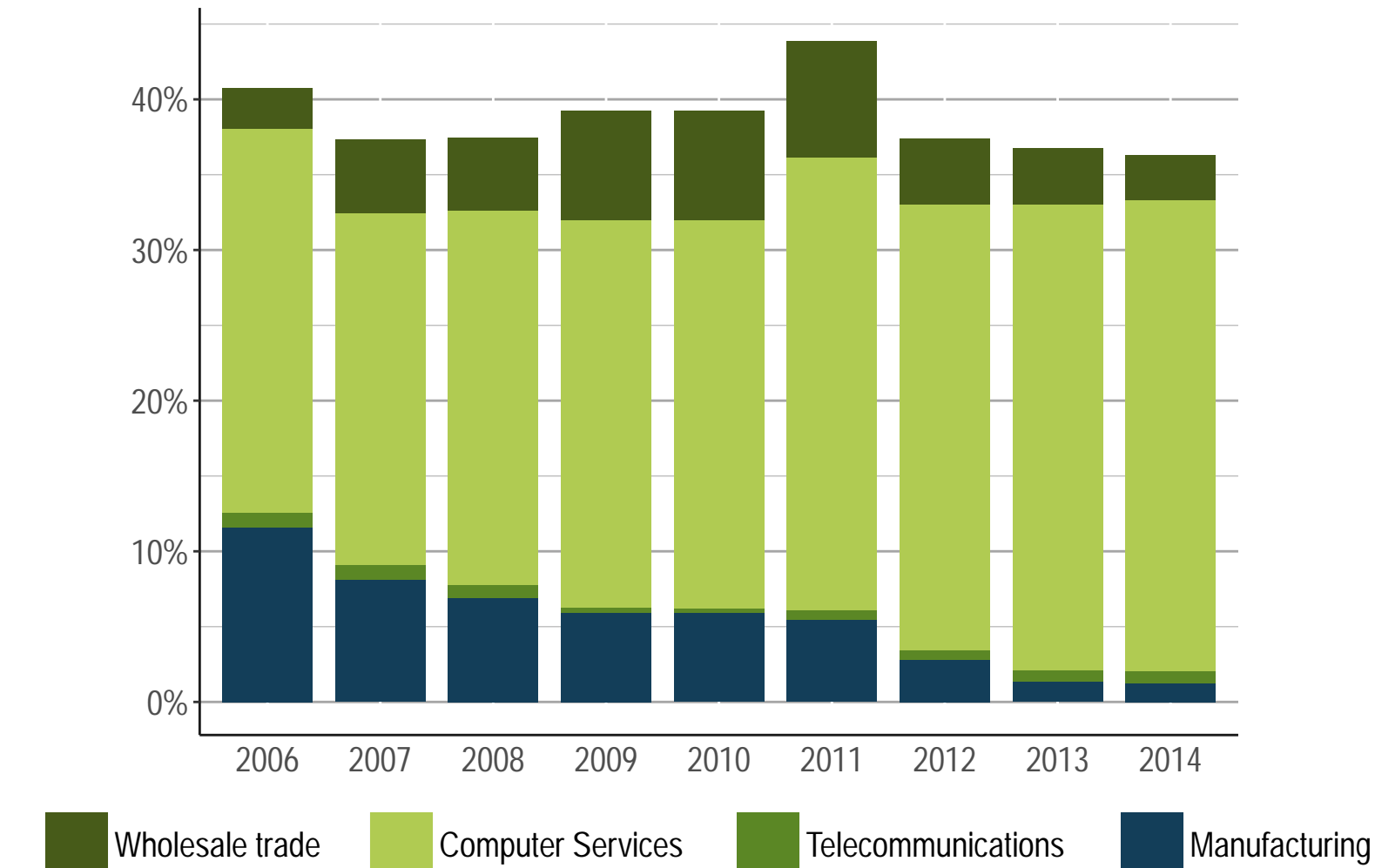
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio IE/EU 2014 ²	IE2014vs IE2006 ³	EU2014vs EU2006 ³
Total economy	0.8	0.8	0.9	1.1	1.1	1.1	1.1	1.1	1.1	(0.84)	138	117
ICT sector	4.1	4.0	4.0	4.6	4.1	4.3	3.5	3.2	3.3	(0.65)	80	104
Manufacturing	3.8	3.6	4.0	3.5	4.2	4.0	2.2	1.2	1.2	(0.05)	31	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IT/EU 2014 ¹	IT2014vs IT2006 ³	EU2014vs EU2006 ³
Total economy	1548	1610	1632	1573	1605	1637	1613	1605	1620	11.6%	105	114
ICT sector	59	61	61	60	60	60	58	55	54	9.1%	92	110
Manufacturing	5	5	5	5	5	5	5	4	4	8.1%	81	72
Telecommunications	28	28	27	26	25	25	23	19	18	9.8%	65	92
Computer Services	23	24	25	25	26	26	26	27	28	8.9%	122	139
Wholesale Trade	3	4	4	4	4	4	4	4	4	8.8%	136	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)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IT/EU 2014 ¹	IT2014vs IT2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio IT/EU 2014 ²	IT2014vs IT2006 ³	EU2014vs EU2006 ³
Total economy	62	64	64	63	65	66	65	66	67	(1.08)	107	113
ICT sector	89	92	93	92	94	94	92	87	88	(0.93)	100	104
Manufacturing	58	60	60	57	67	70	68	67	71	(0.90)	123	101
Telecommunications	232	233	233	232	235	236	229	205	204	(1.25)	88	99
Computer Services	58	62	64	63	65	66	66	66	68	(0.85)	116	112
Wholesale Trade	46	58	61	63	59	60	65	70	73	(0.88)	158	116

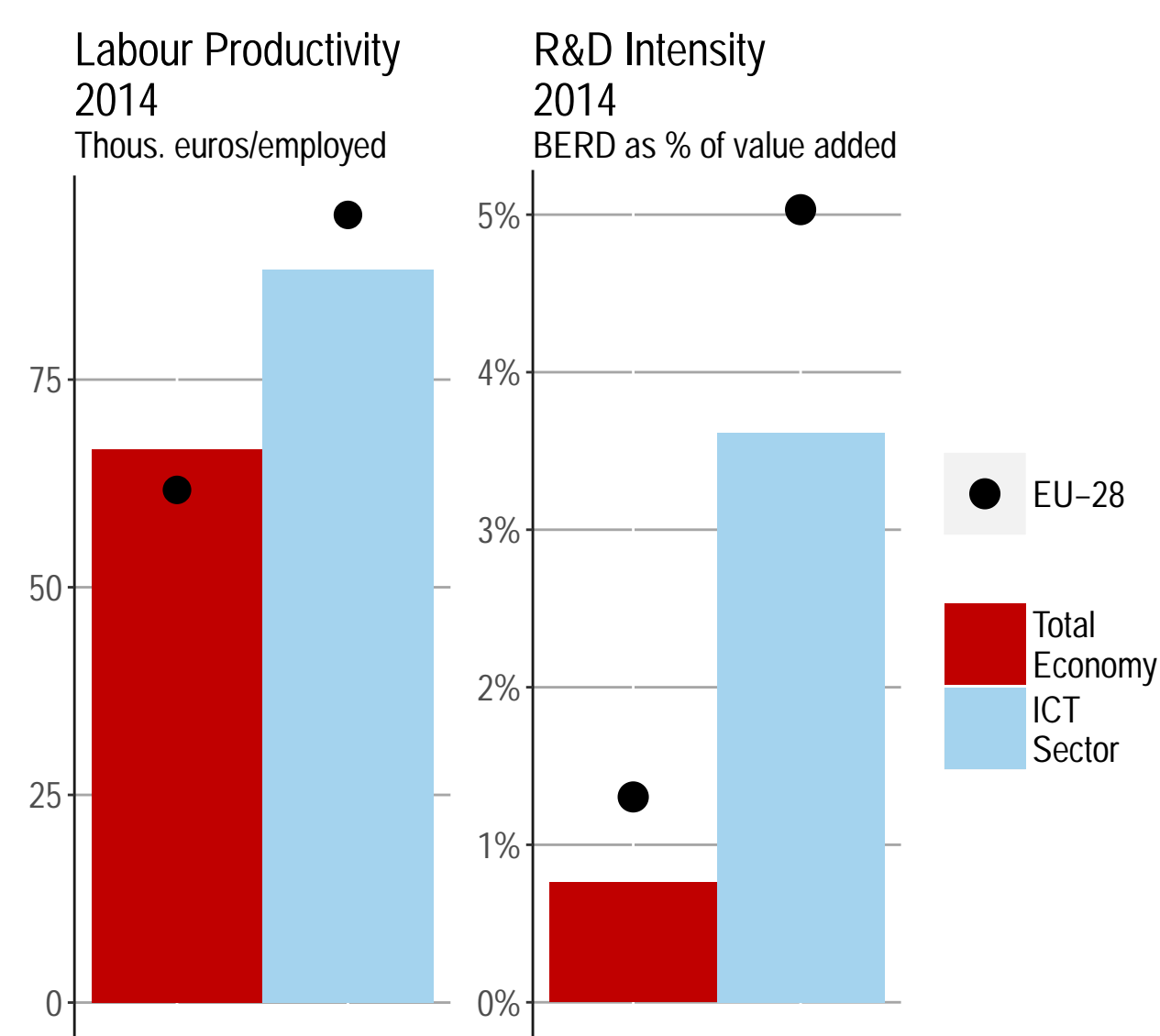
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

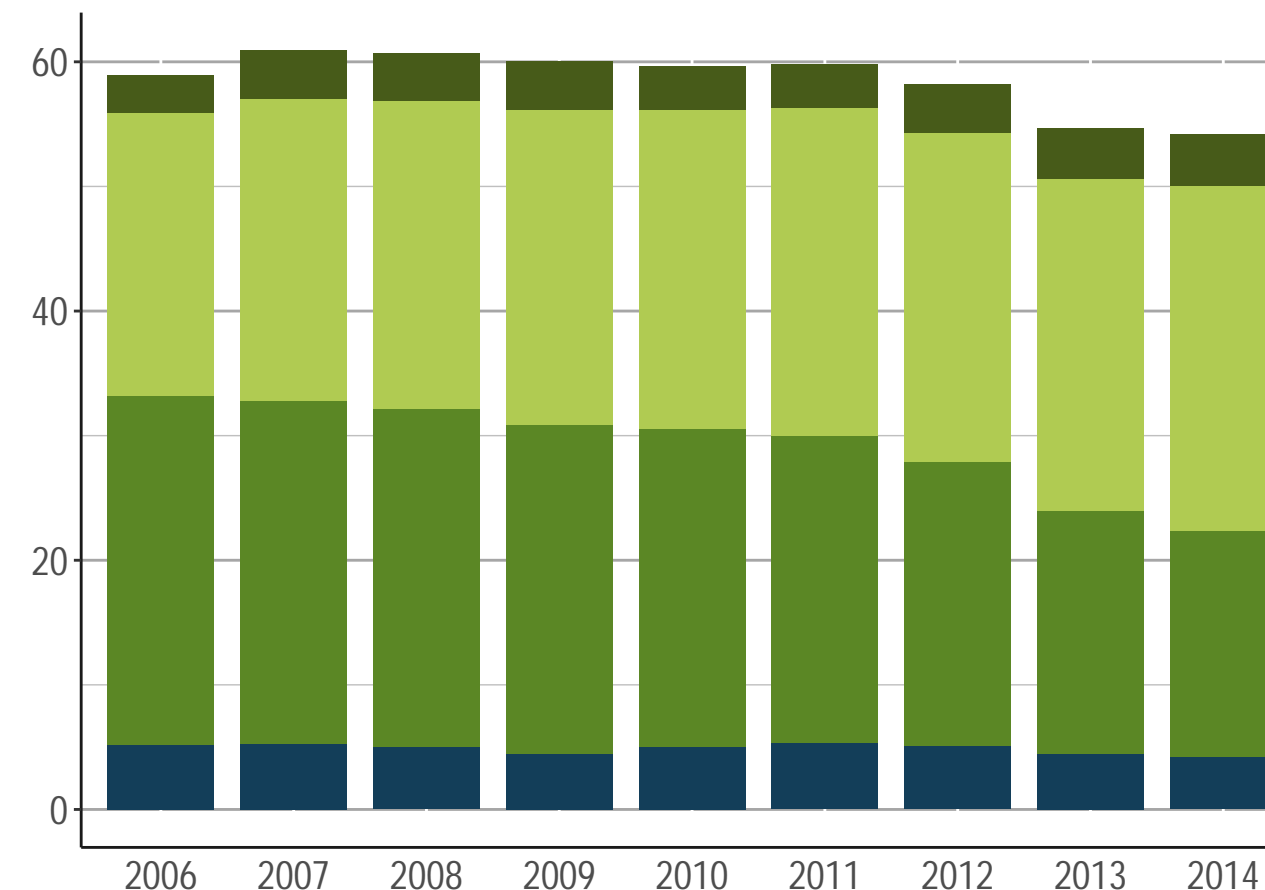
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share IT/EU 2014 ¹	IT2014vs IT2006 ³	EU2014vs EU2006 ³
Total economy	8210	9455	10173	10238	10579	10825	11107	11480	12344	6.8%	150	133
ICT sector	1393	1717	1934	2140	2177	2082	2017	2138	1959	6.6%	141	114
Manufacturing	849	843	813	835	920	937	870	796	689	6.0%	81	83
Telecommunications	220	462	868	998	956	828	814	426	312	9.4%	142	86
Computer Services	303	390	226	281	277	293	301	865	907	6.3%	299	180
Wholesale Trade	21	23	28	27	25	24	33	51	52	6.6%	251	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%			

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

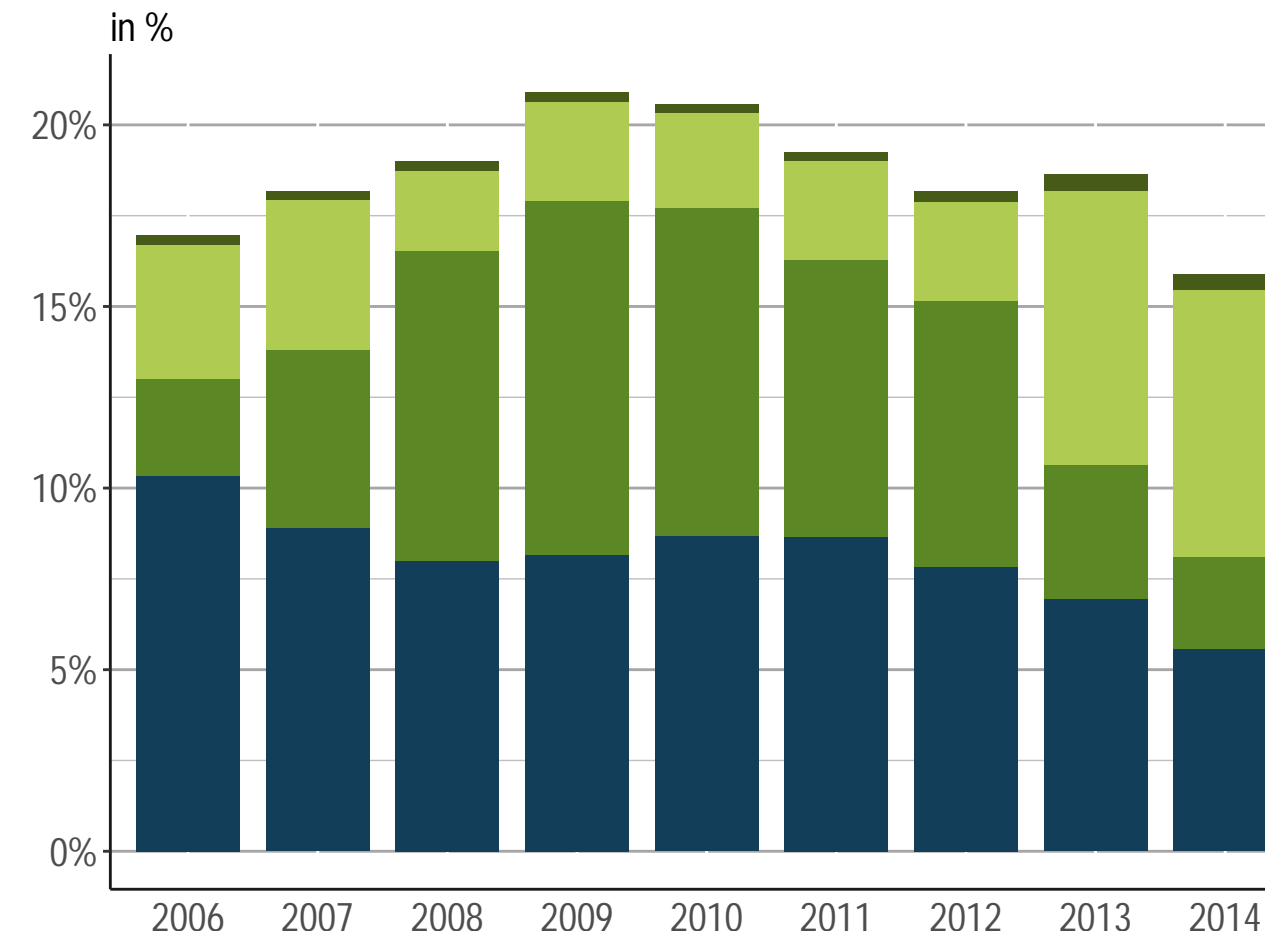
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio IT/EU 2014 ²	IT2014vs IT2006 ³	EU2014vs EU2006 ³
Total economy	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	(0.58)	144	117
ICT sector	2.4	2.8	3.2	3.6	3.7	3.5	3.5	3.9	3.6	(0.72)	153	104
Manufacturing	16.3	16.0	16.1	18.5	18.3	17.4	16.9	17.9	16.2	(0.74)	100	115
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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Legend: Wholesale trade (dark green), Computer Services (light green), Telecommunications (green), Manufacturing (dark blue)

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LV/EU 2014 ¹	LV2014vs LV2006 ³	EU2014vs EU2006 ³
Total economy	17	23	24	19	18	20	22	23	24	0.2%	137	114
ICT sector	1	1	1	1	1	1	1	1	1	0.2%	159	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.1%	238	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.2%	84	92
Computer Services	0	0	0	0	0	0	0	0	0	0.2%	384	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.2%	132	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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio LV/EU 2014 ²	LV2014vs LV2006 ³	EU2014vs EU2006 ³
Total economy	17	21	23	21	21	24	25	26	27	(0.44)	160	113
ICT sector	36	38	42	40	39	39	42	41	38	(0.41)	108	104
Manufacturing	16	25	34	25	49	77	35	50	39	(0.50)	244	101
Telecommunications	63	68	74	61	61	59	69	56	52	(0.32)	82	99
Computer Services	20	22	27	30	27	26	32	34	33	(0.41)	160	112
Wholesale Trade	23	27	32	32	30	39	40	44	40	(0.48)	173	116

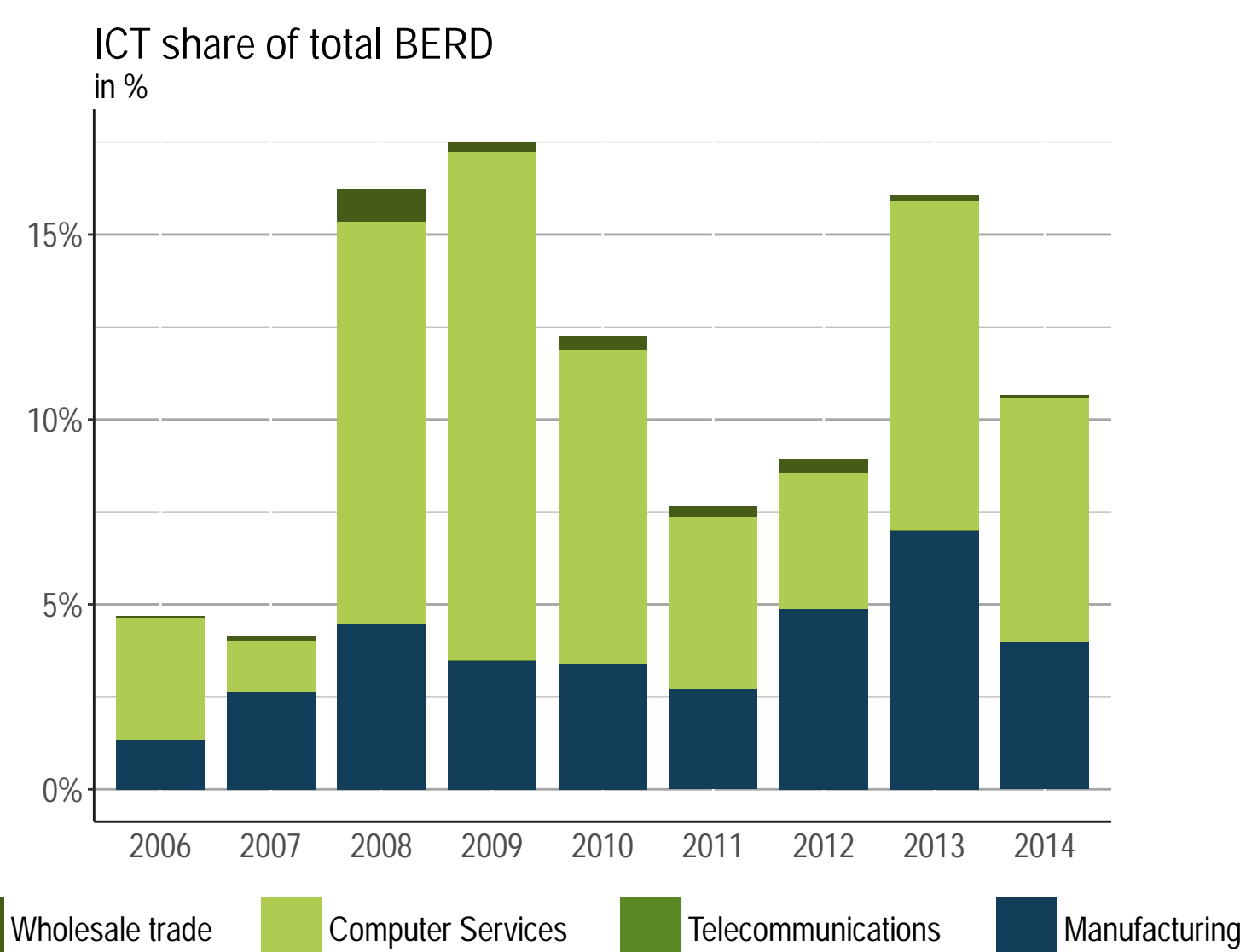
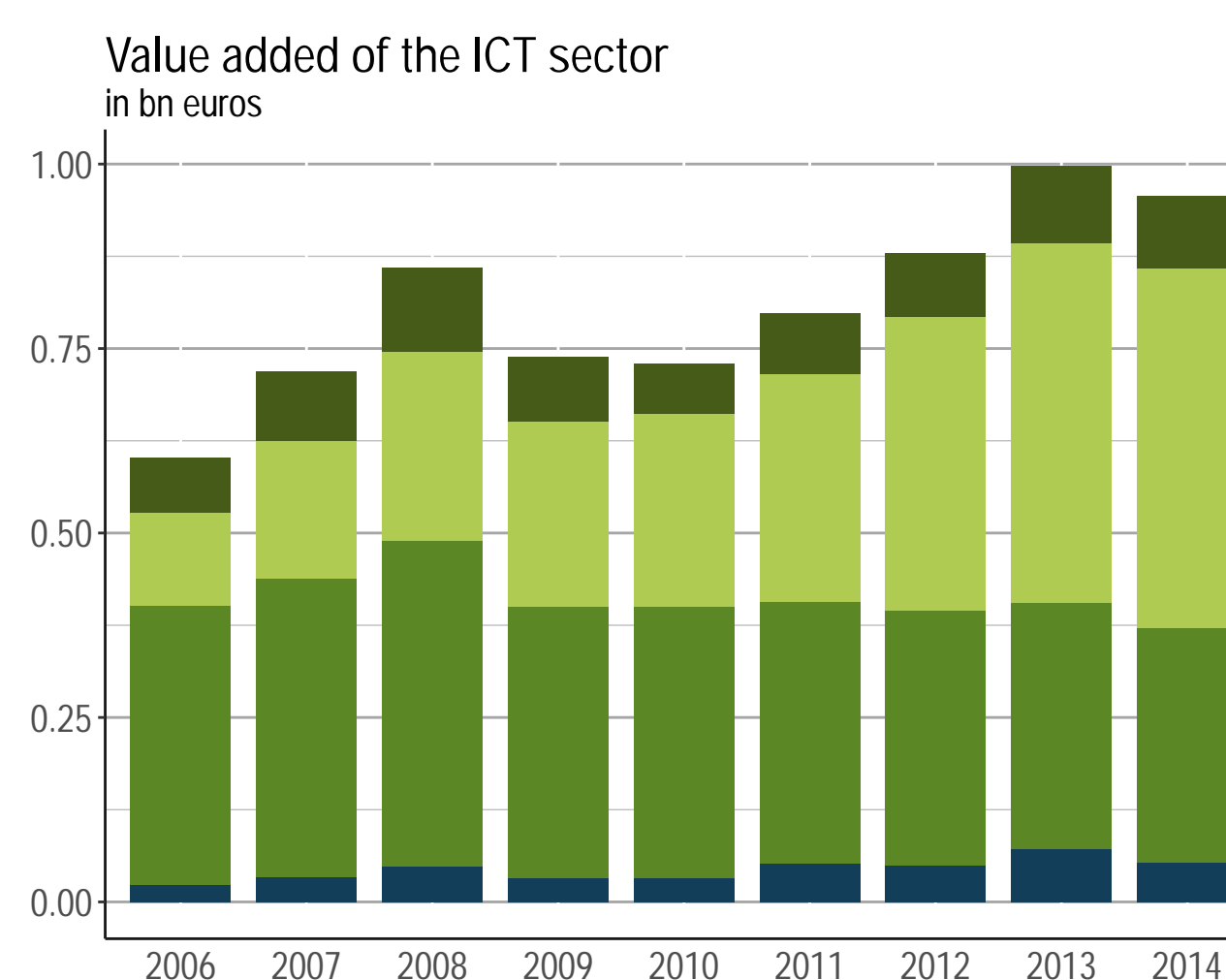
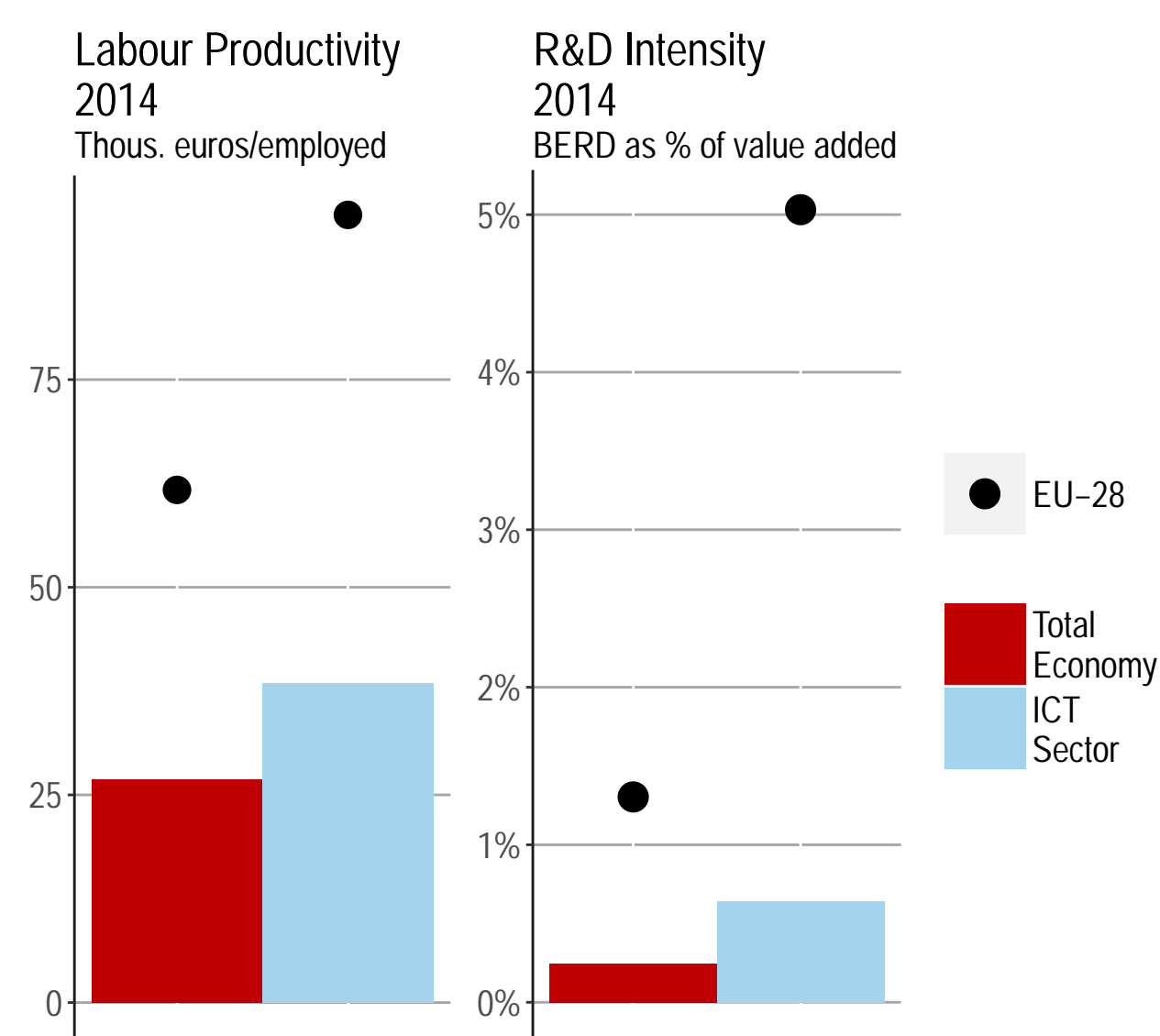
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LV/EU 2014 ¹	LV2014vs LV2006 ³	EU2014vs EU2006 ³
Total economy	57	41	35	31	40	39	33	39	58	0.0%	102	133
ICT sector	3	2	6	5	5	3	3	6	6	0.0%	232	114
Manufacturing	1	1	2	1	1	1	2	3	2	0.0%	308	83
Telecommunications	0	0	0	0	0	0	0	0	0	0.0%	-	86
Computer Services	2	1	4	4	3	2	1	4	4	0.0%	204	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	104	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%			

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

	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 euros at current prices and exchange rates.

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.

LITHUANIA (LT)

Economic and industry trends

Value added (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LT/EU 2014 ¹	LT2014vs LT2006 ³	EU2014vs EU2006 ³
Total economy	24	29	33	27	28	31	33	35	37	0.3%	152	114
ICT sector	1	1	1	1	1	1	1	1	1	0.2%	130	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.1%	43	72
Telecommunications	1	1	1	1	1	0	0	0	0	0.3%	86	92
Computer Services	0	0	0	0	0	0	0	0	0	0.1%	299	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.3%	245	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 LT/EU 2014 ¹	LT2014vs LT2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio LT/EU 2014 ²	LT2014vs LT2006 ³	EU2014vs EU2006 ³
Total economy	17	20	23	20	22	25	26	27	28	(0.45)	163	113
ICT sector	49	49	44	49	46	36	37	45	48	(0.50)	98	104
Manufacturing	27	26	31	28	32	30	33	26	23	(0.30)	86	101
Telecommunications	125	116	91	137	103	66	70	74	72	(0.44)	58	99
Computer Services	20	21	18	20	23	21	21	31	37	(0.47)	188	112
Wholesale Trade	29	32	36	35	33	38	47	52	52	(0.63)	178	116

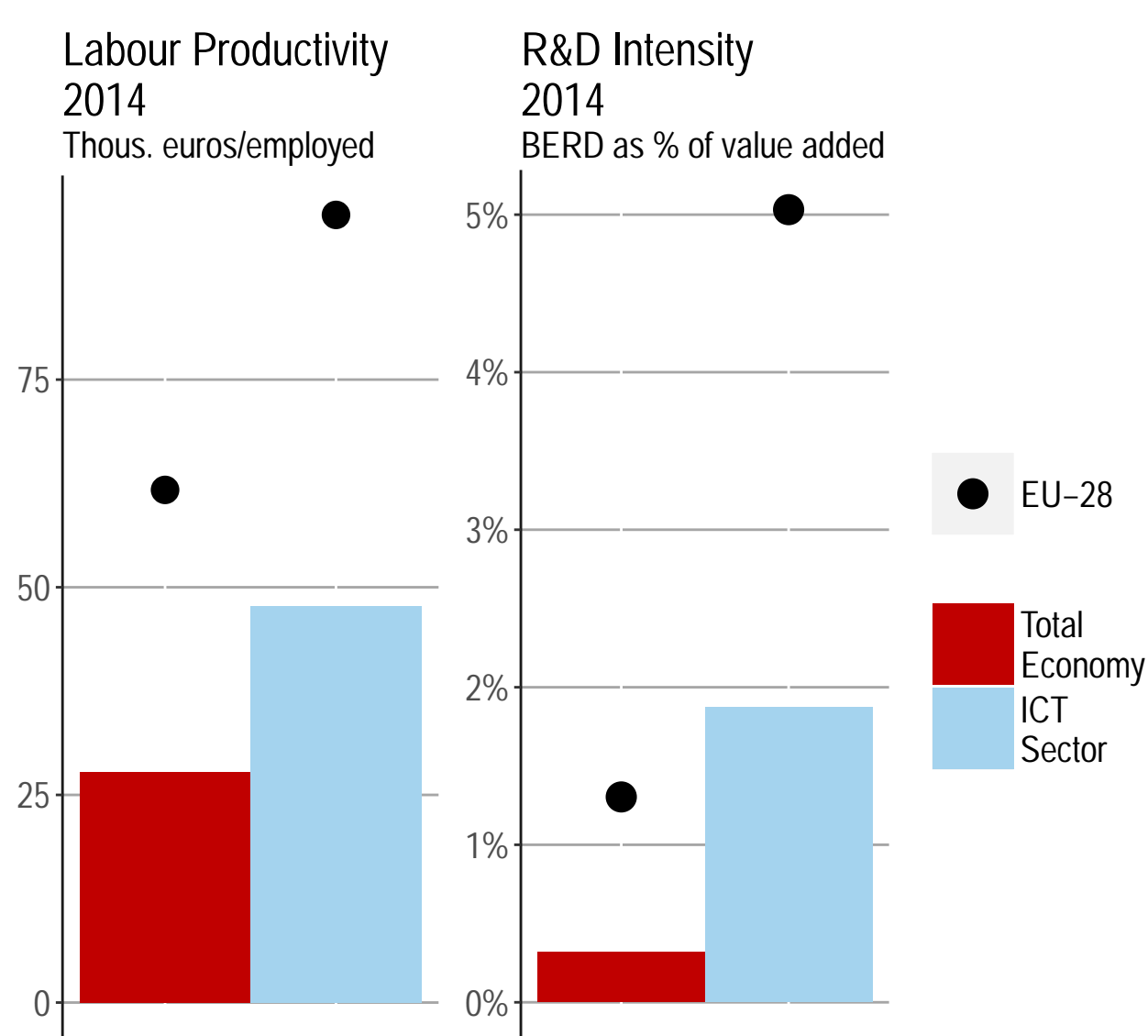
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

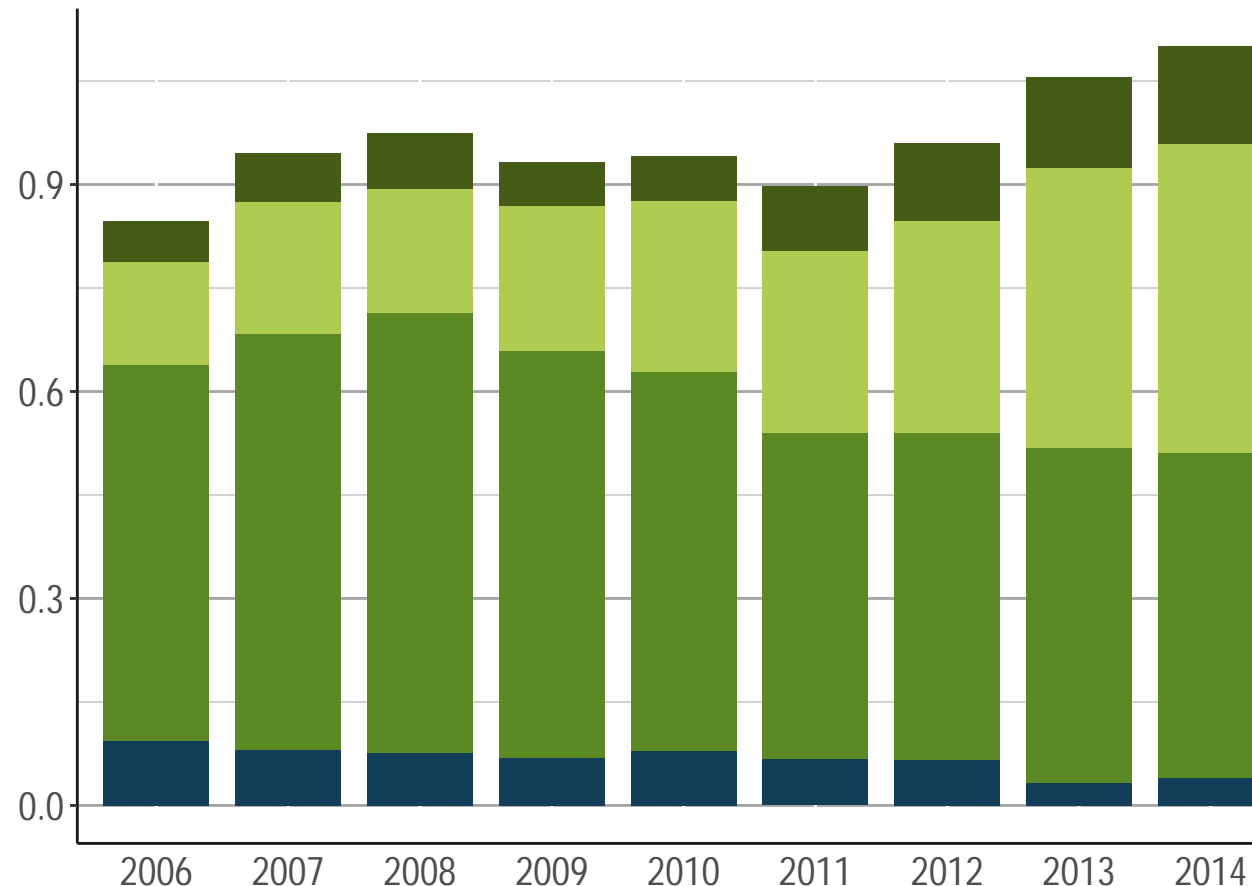
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LT/EU 2014 ¹	LT2014vs LT2006 ³	EU2014vs EU2006 ³
Total economy	53	66	61	55	65	74	80	85	116	0.1%	218	133
ICT sector	4	4	4	6	16	28	12	17	21	0.1%	459	114
Manufacturing	0	2	2	2	1	1	0	1	2	0.0%	1533	83
Telecommunications	0	0	0	0	7	18	4	5	5	0.1%	8675	86
Computer Services	4	1	2	3	8	7	8	9	12	0.1%	299	180
Wholesale Trade	0	0	0	0	0	1	0	1	1	0.2%	1008	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)

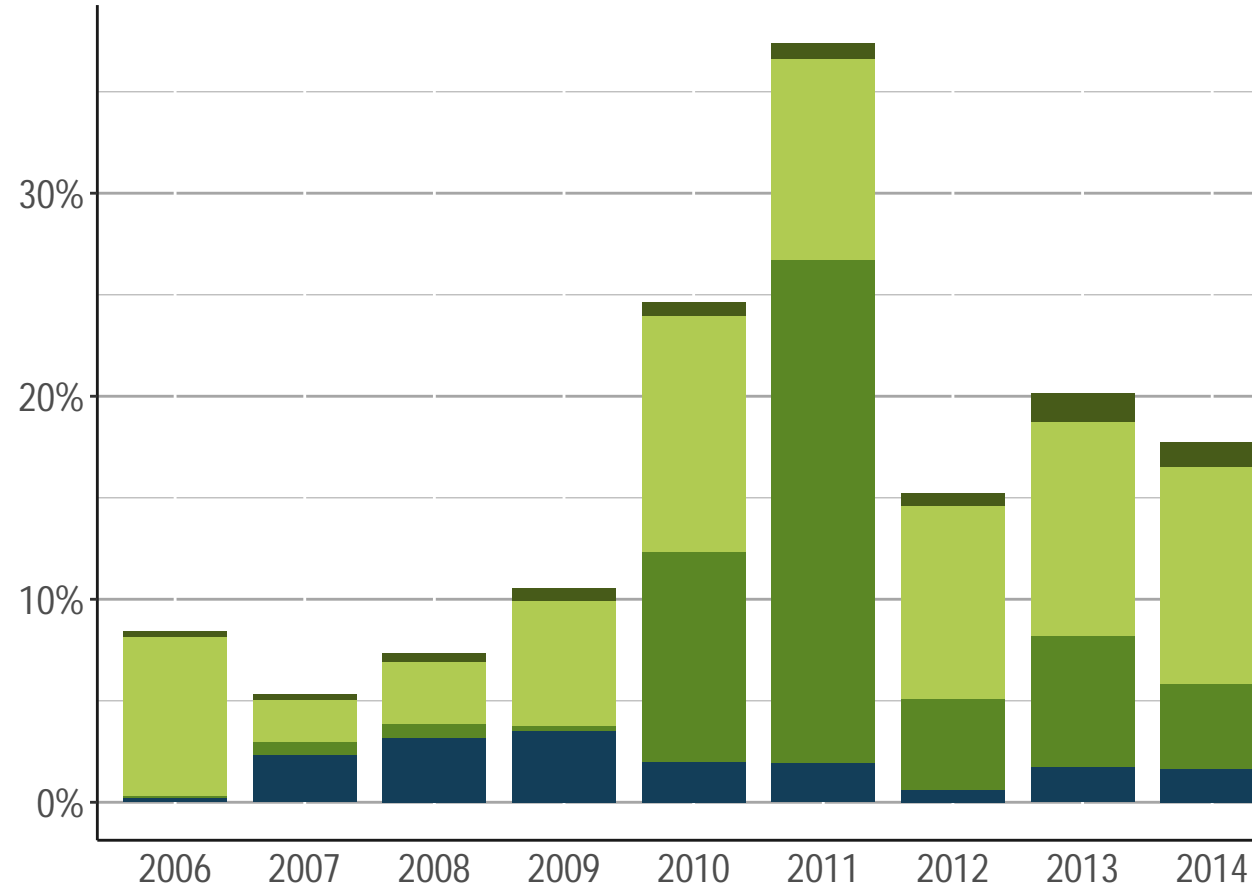
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio LT/EU 2014 ²	LT2014vs LT2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	(0.24)	144	117
ICT sector	0.5	0.4	0.5	0.6	1.7	3.1	1.3	1.6	1.9	(0.37)	353	104
Manufacturing	0.1	2.0	2.5	2.8	1.6	2.1	0.7	4.5	4.8	(0.22)	3586	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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.

LUXEMBOURG (LU)

Economic and industry trends

Value added (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LU/EU 2014 ¹	LU2014vs LU2006 ³	EU2014vs EU2006 ³
Total economy	33	37	38	36	40	43	44	46	49	0.4%	148	114
ICT sector	2	2	2	2	2	2	2	2	3	0.5%	180	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.0%	169	72
Telecommunications	1	1	1	1	1	1	2	1	1	0.8%	134	92
Computer Services	0	1	1	1	1	0	0	1	1	0.2%	132	139
Wholesale Trade	0	0	0	0	0	0	0	1	1	1.9%	1043	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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio LU/EU 2014 ²	LU2014vs LU2006 ³	EU2014vs EU2006 ³
Total economy	105	110	108	103	111	116	116	120	125	(2.02)	119	113
ICT sector	158	151	154	152	171	162	156	154	171	(1.80)	108	104
Manufacturing	-	94	29	44	53	52	50	57	54	(0.68)	-	101
Telecommunications	396	418	425	418	458	455	343	286	288	(1.77)	73	99
Computer Services	78	72	78	71	76	44	44	53	62	(0.78)	79	112
Wholesale Trade	59	58	77	87	120	215	246	360	478	(5.79)	811	116

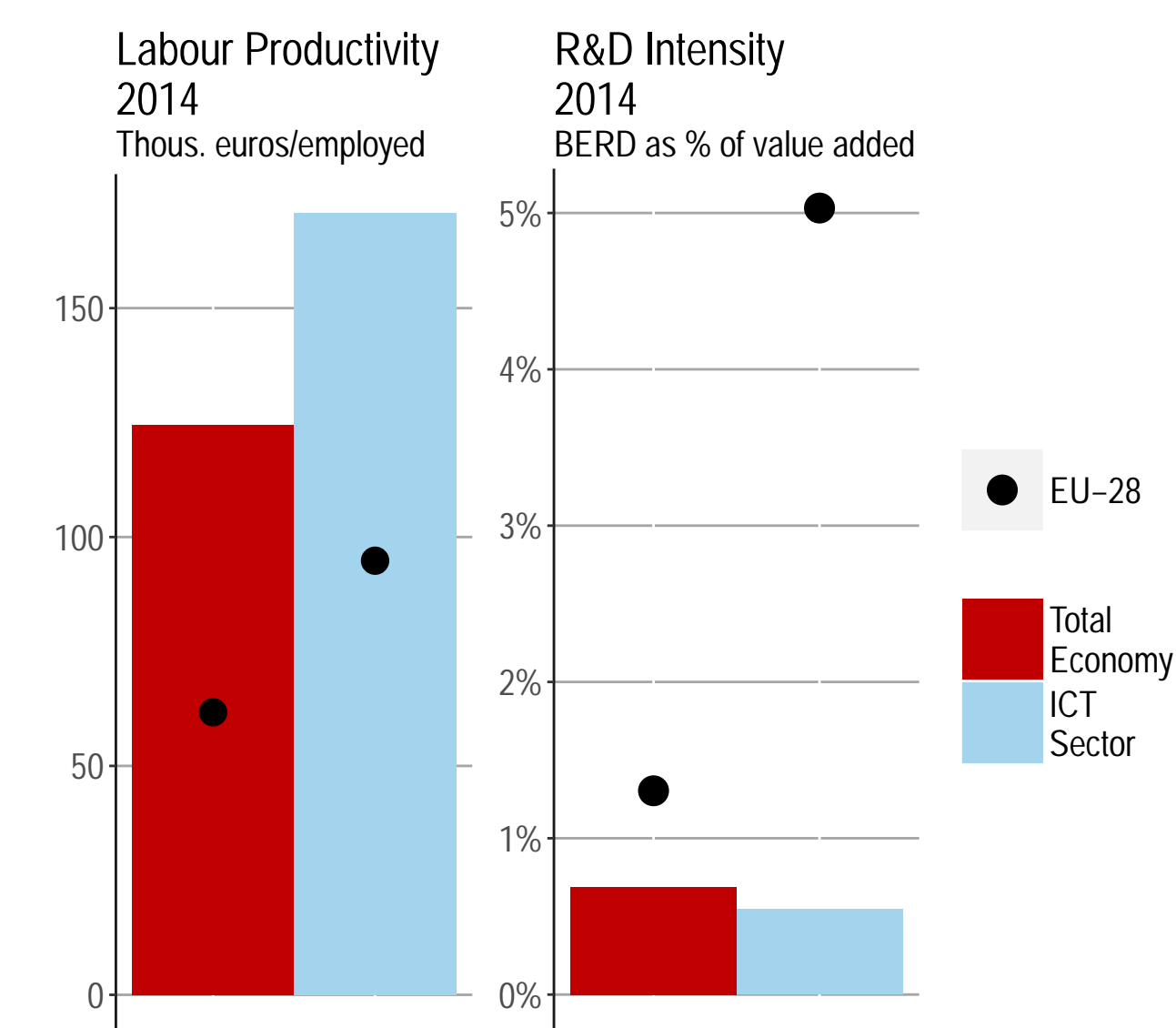
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

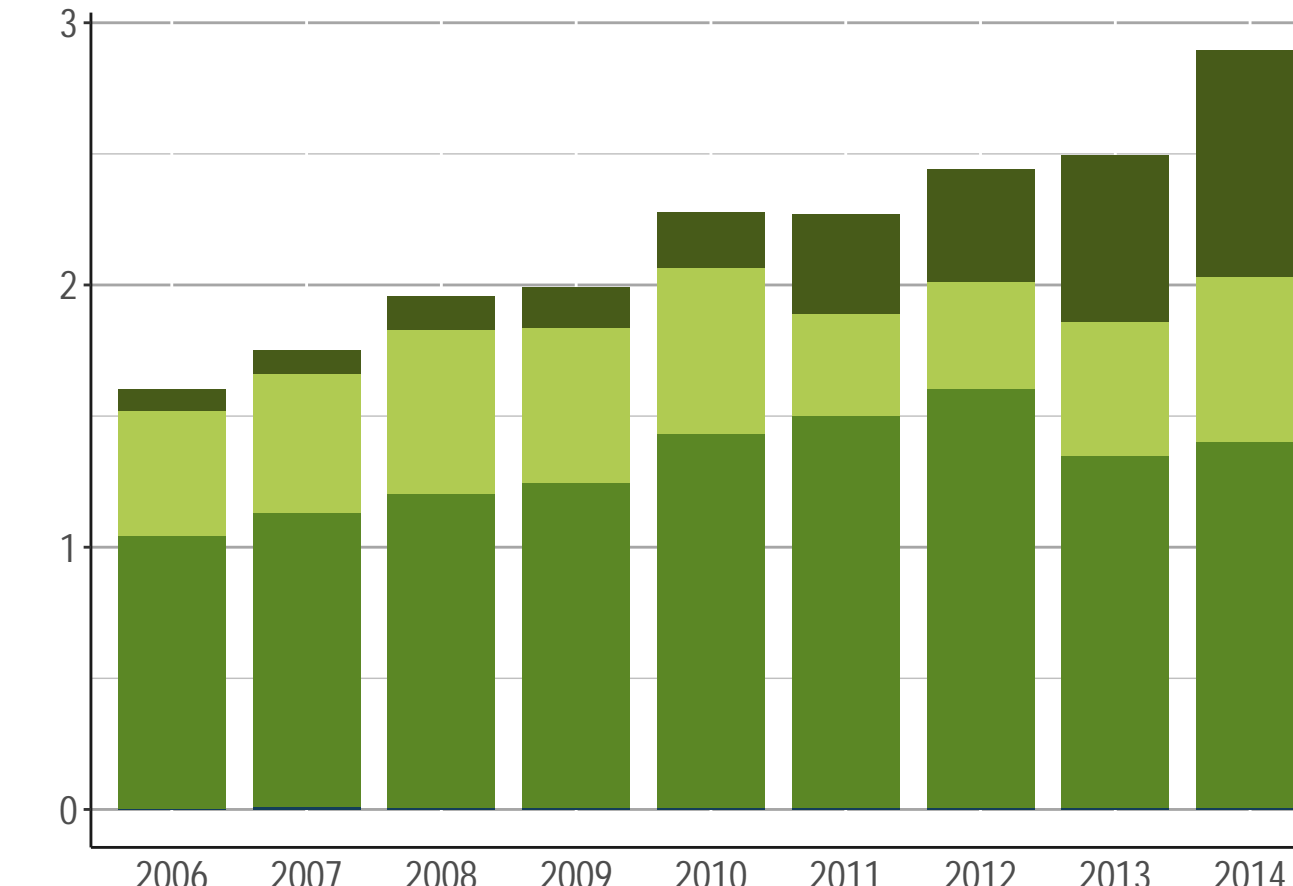
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share LU/EU 2014 ¹	LU2014vs LU2006 ³	EU2014vs EU2006 ³
Total economy	485	495	482	471	400	416	310	318	338	0.2%	70	133
ICT sector	27	24	26	24	20	21	16	15	16	0.1%	59	114
Manufacturing	0	2	3	2	2	1	1	2	2	0.0%	-	83
Telecommunications	3	3	3	3	5	8	8	9	9	0.3%	278	86
Computer Services	23	20	20	20	13	11	7	4	5	0.0%	19	180
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	180	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%			

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

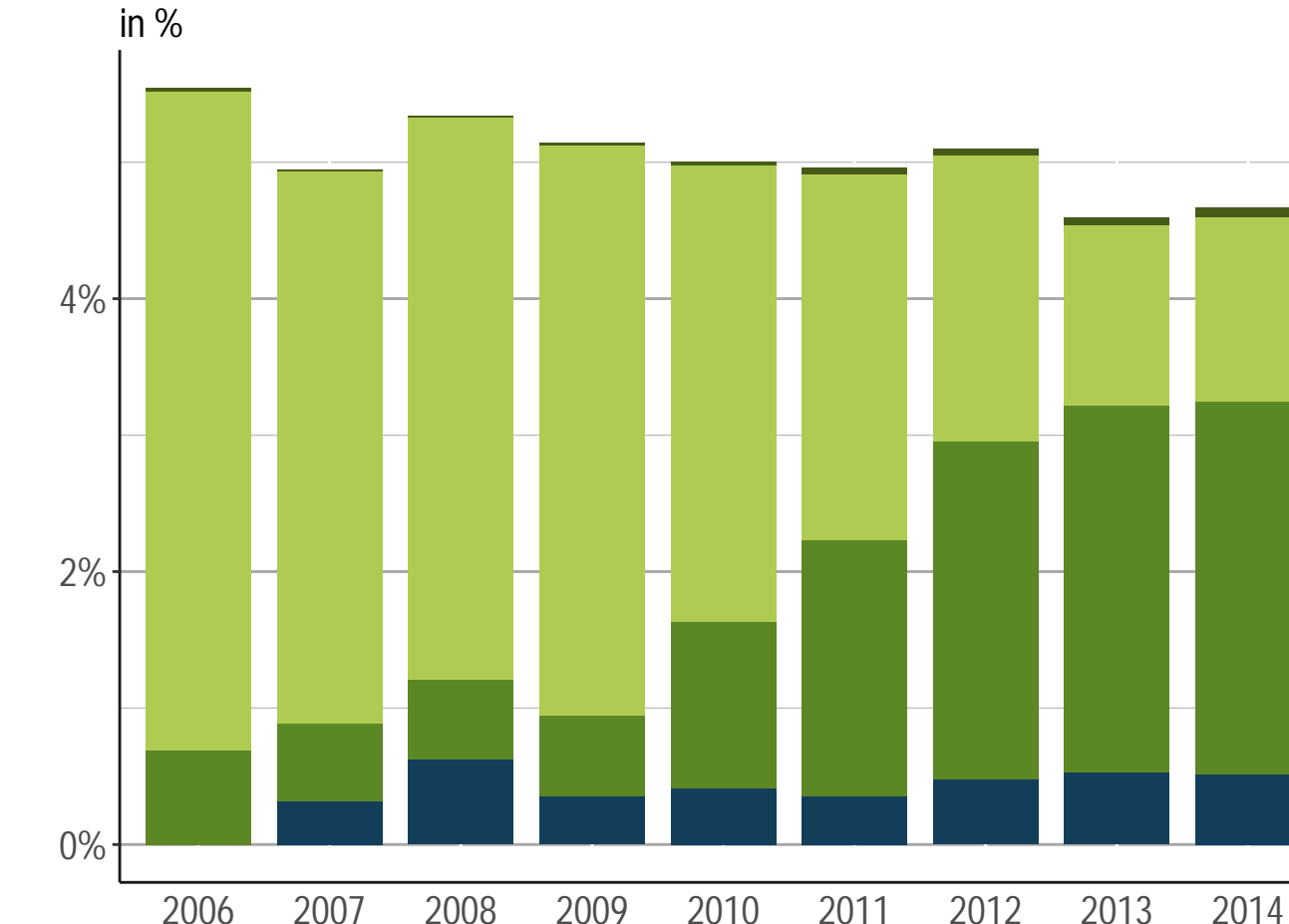
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio LU/EU 2014 ²	LU2014vs LU2006 ³	EU2014vs EU2006 ³
Total economy	1.5	1.3	1.3	1.3	1.0	1.0	0.7	0.7	0.7	(0.53)	47	117
ICT sector	1.7	1.4	1.3	1.2	0.9	0.9	0.6	0.6	0.5	(0.11)	33	104
Manufacturing	0.0	16.6	53.8	39.0	28.7	26.2	26.3	27.1	30.1	(1.38)	-	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share MT/EU 2014 ¹	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	5	6	6	6	7	7	7	8	8	0.1%	150	114
ICT sector	0	0	0	0	0	1	1	0	0	0.1%	127	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.1%	52	72
Telecommunications	0	0	0	0	0	0	0	0	0	0.1%	98	92
Computer Services	0	0	0	0	0	0	0	0	0	0.1%	255	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.0%	167	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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio MT/EU 2014 ²	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	35	37	38	38	40	41	42	43	43	(0.70)	122	113
ICT sector	56	55	55	56	74	73	73	59	55	(0.58)	99	104
Manufacturing	37	45	47	45	87	89	90	54	35	(0.45)	94	101
Telecommunications	77	74	76	70	74	73	75	78	79	(0.48)	103	99
Computer Services	69	55	51	58	69	75	72	59	59	(0.74)	85	112
Wholesale Trade	25	18	27	25	27	16	12	12	12	(0.14)	46	116

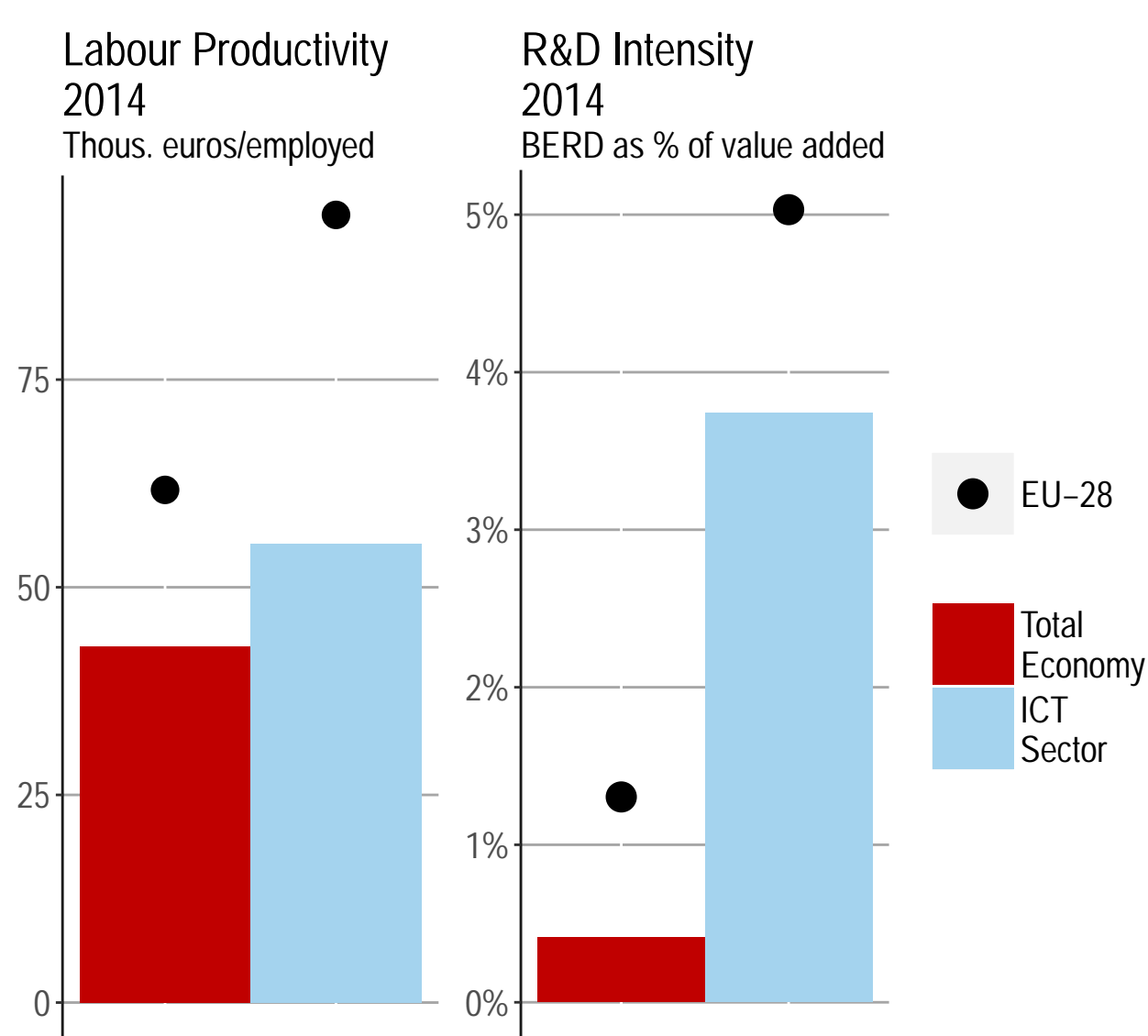
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

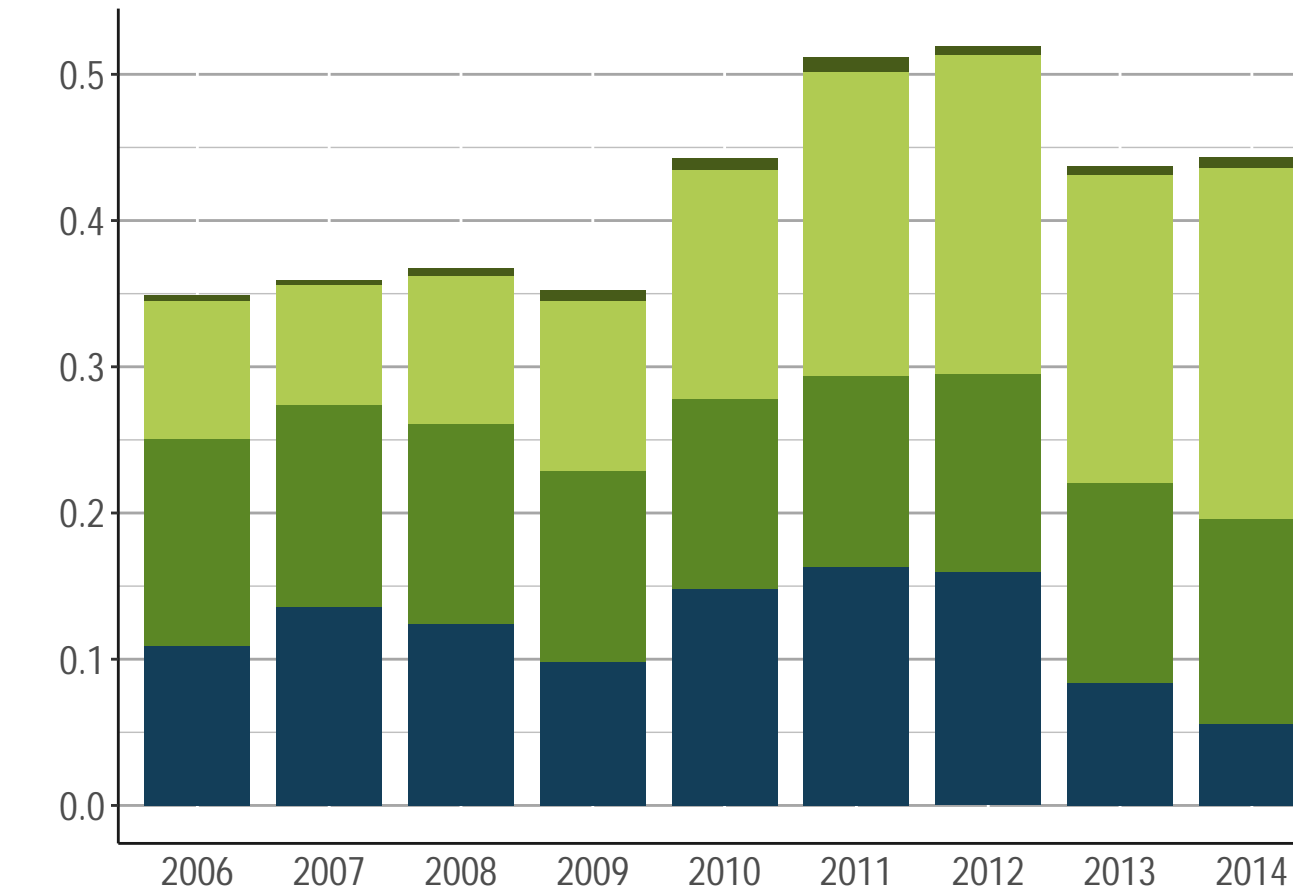
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share MT/EU 2014 ¹	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	21	21	21	20	25	30	34	31	33	0.0%	162	133
ICT sector	7	10	9	8	8	11	14	15	17	0.1%	253	114
Manufacturing	4	5	3	4	1	1	2	2	2	0.0%	58	83
Telecommunications	0	0	0	0	0	0	0	0	0	0.0%	153	86
Computer Services	3	5	5	4	6	10	12	14	14	0.1%	498	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)

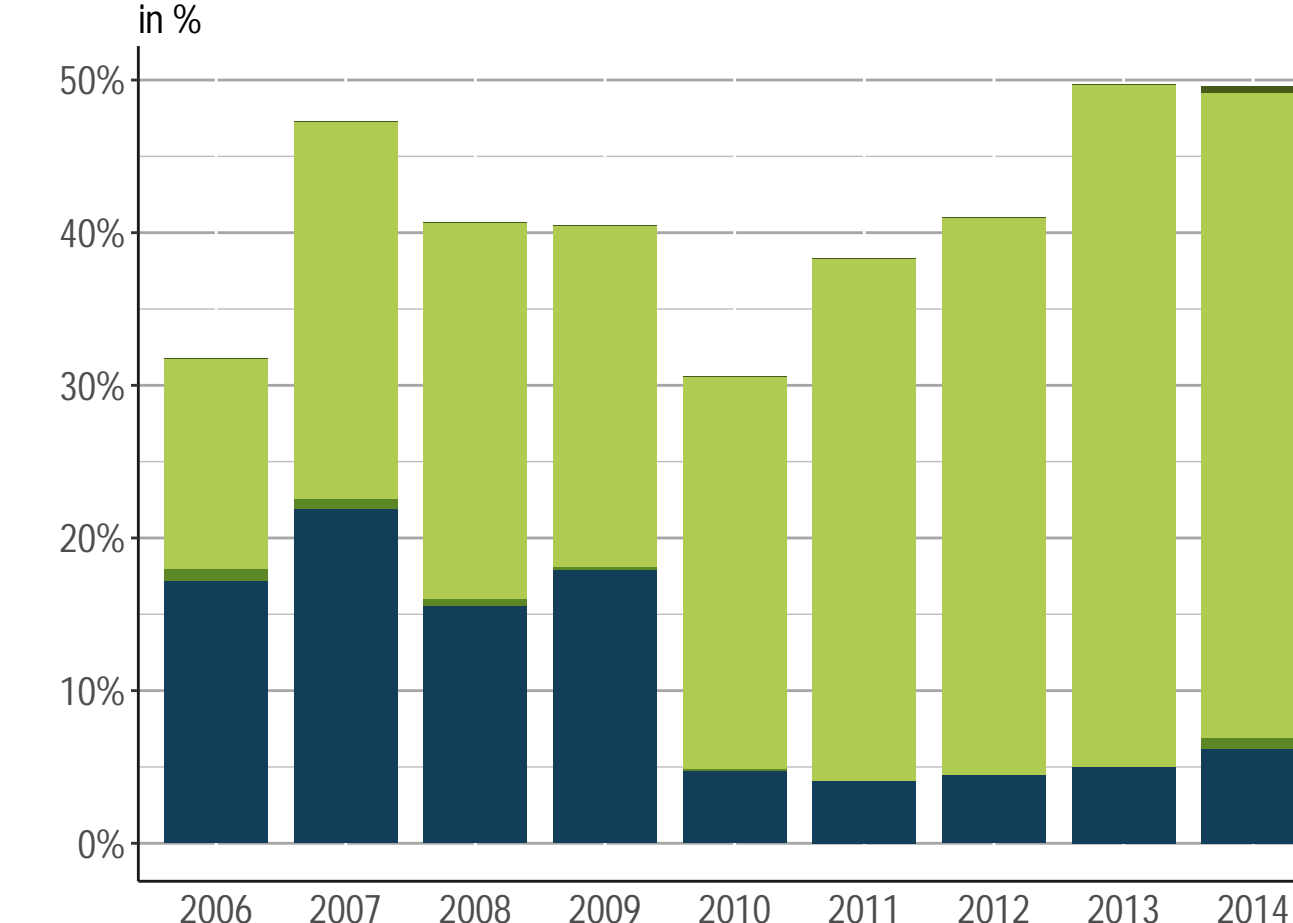
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio MT/EU 2014 ²	MT2014vs MT2006 ³	EU2014vs EU2006 ³
Total economy	0.4	0.4	0.4	0.3	0.4	0.4	0.5	0.4	0.4	(0.32)	108	117
ICT sector	1.9	2.8	2.4	2.3	1.7	2.2	2.7	3.5	3.7	(0.74)	199	104
Manufacturing	3.3	3.4	2.7	3.7	0.8	0.7	1.0	1.8	3.7	(0.17)	112	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share NL/EU 2014 ¹	NL2014vs NL2006 ³	EU2014vs EU2006 ³
Total economy	579	613	639	618	632	643	645	653	663	4.7%	114	114
ICT sector	29	31	31	29	31	31	32	33	32	5.4%	110	110
Manufacturing	2	2	1	1	2	2	2	2	2	3.6%	119	72
Telecommunications	10	10	10	9	9	9	9	8	8	4.3%	81	92
Computer Services	11	13	14	13	14	14	14	15	16	5.1%	136	139
Wholesale Trade	6	7	7	6	6	6	7	8	6	13.5%	104	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 NL/EU 2014 ¹	NL2014vs NL2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio NL/EU 2014 ²	NL2014vs NL2006 ³	EU2014vs EU2006 ³
Total economy	68	70	72	70	72	73	73	75	76	(1.23)	112	113
ICT sector	113	116	114	109	119	118	118	122	118	(1.25)	105	104
Manufacturing	85	86	67	97	162	164	164	176	195	(2.47)	229	101
Telecommunications	234	244	247	252	278	285	272	265	257	(1.57)	110	99
Computer Services	82	86	86	81	84	83	84	88	89	(1.12)	109	112
Wholesale Trade	109	116	118	100	117	116	126	136	119	(1.45)	110	116

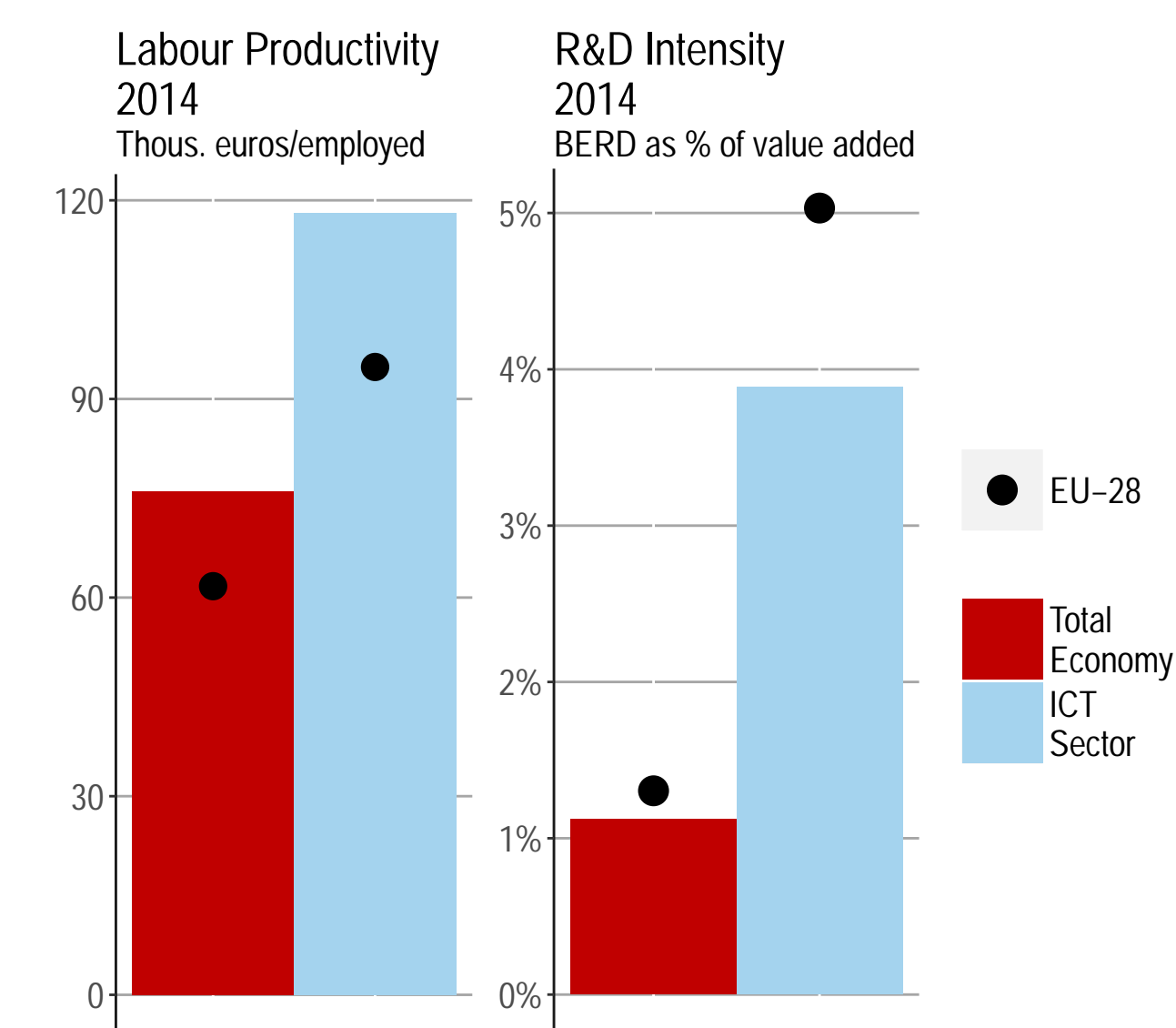
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

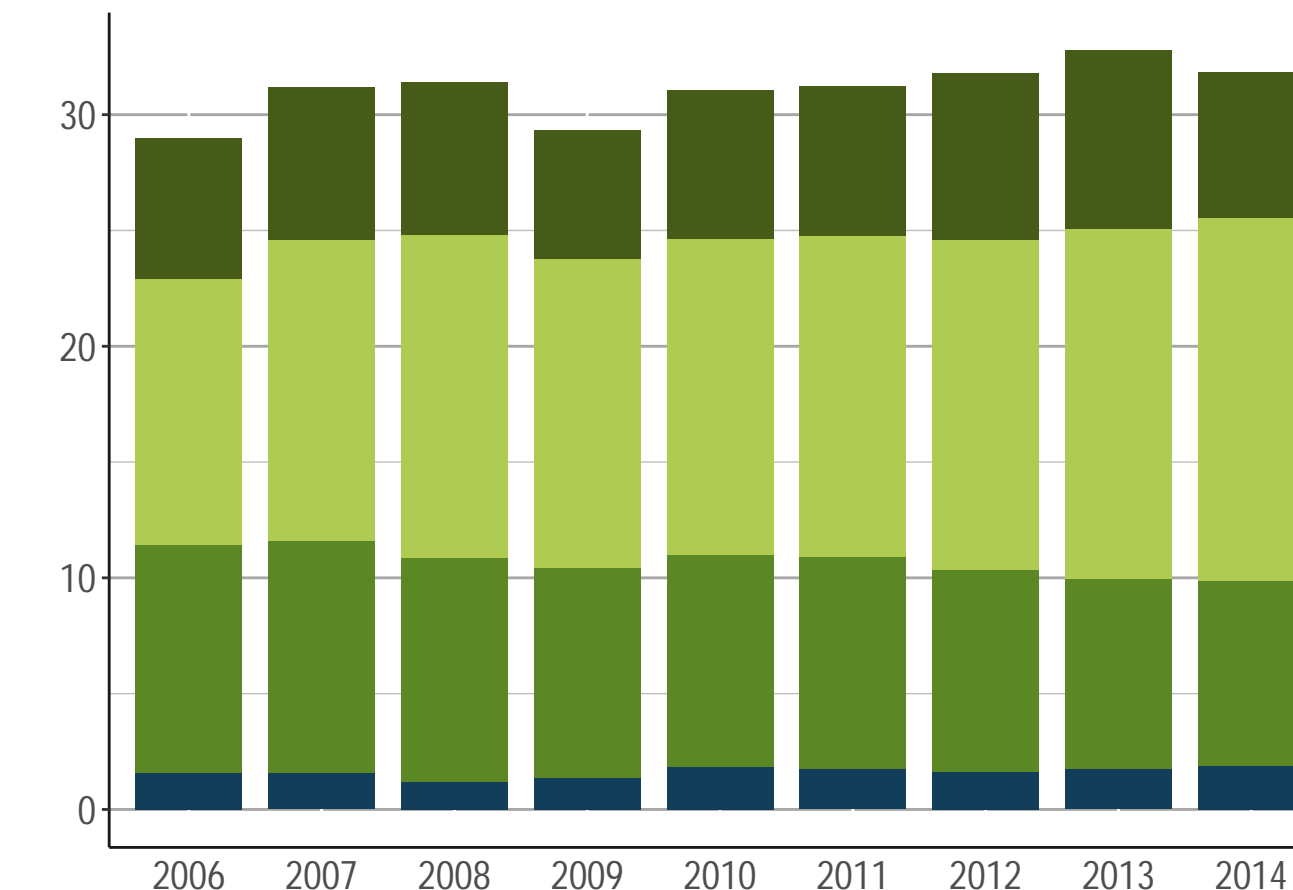
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share NL/EU 2014 ¹	NL2014vs NL2006 ³	EU2014vs EU2006 ³
Total economy	5480	5495	5263	4900	5218	6922	7078	7095	7433	4.1%	136	133
ICT sector	868	838	620	594	864	1051	1182	1160	1238	4.1%	143	114
Manufacturing	461	401	313	254	269	257	325	329	340	3.0%	74	83
Telecommunications	63	146	16	16	52	64	51	31	48	1.5%	77	86
Computer Services	319	275	273	312	518	702	687	688	732	5.1%	229	180
Wholesale Trade	25	16	18	11	25	28	119	111	118	15.1%	468	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%			

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

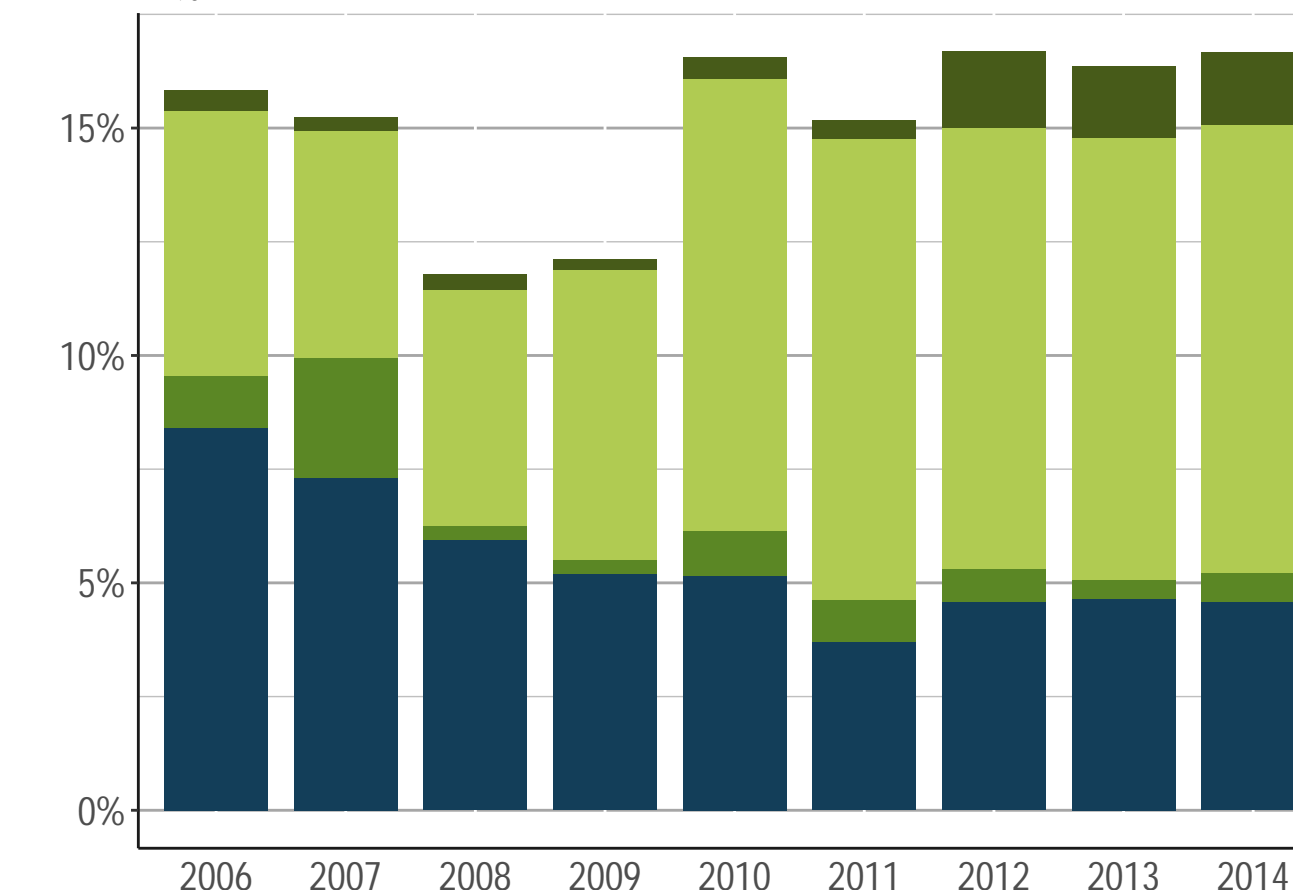
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio NL/EU 2014 ²	NL2014vs NL2006 ³	EU2014vs EU2006 ³
Total economy	0.9	0.9	0.8	0.8	0.8	1.1	1.1	1.1	1.1	(0.86)	119	117
ICT sector	3.0	2.7	2.0	2.0	2.8	3.4	3.7	3.5	3.9	(0.77)	130	104
Manufacturing	28.8	25.1	25.8	18.6	14.6	14.5	19.9	18.6	17.8	(0.82)	62	115
Telecommunications	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



Value added of the ICT sector
in bn euros



ICT share of total BERD
in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share PL/EU 2014 ¹	PL2014vs PL2006 ³	EU2014vs EU2006 ³
Total economy	275	314	366	317	362	380	389	395	411	2.9%	150	114
ICT sector	9	9	12	11	11	11	12	13	14	2.4%	154	110
Manufacturing	1	1	1	2	1	1	1	1	1	2.2%	108	72
Telecommunications	5	5	6	5	5	5	5	5	5	2.5%	89	92
Computer Services	3	3	4	4	4	5	6	7	7	2.3%	270	139
Wholesale Trade	0	0	0	0	1	1	1	1	1	2.3%	552	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 PL/EU 2014 ¹	PL2014vs PL2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio PL/EU 2014 ²	PL2014vs PL2006 ³	EU2014vs EU2006 ³
Total economy	19	21	23	20	24	25	25	26	26	(0.42)	138	113
ICT sector	35	32	37	34	36	37	37	38	38	(0.40)	110	104
Manufacturing	16	14	17	25	21	19	18	18	20	(0.25)	123	101
Telecommunications	56	49	58	49	51	51	52	46	47	(0.28)	83	99
Computer Services	27	27	32	26	31	33	34	37	37	(0.46)	136	112
Wholesale Trade	46	48	57	42	61	58	54	83	77	(0.94)	168	116

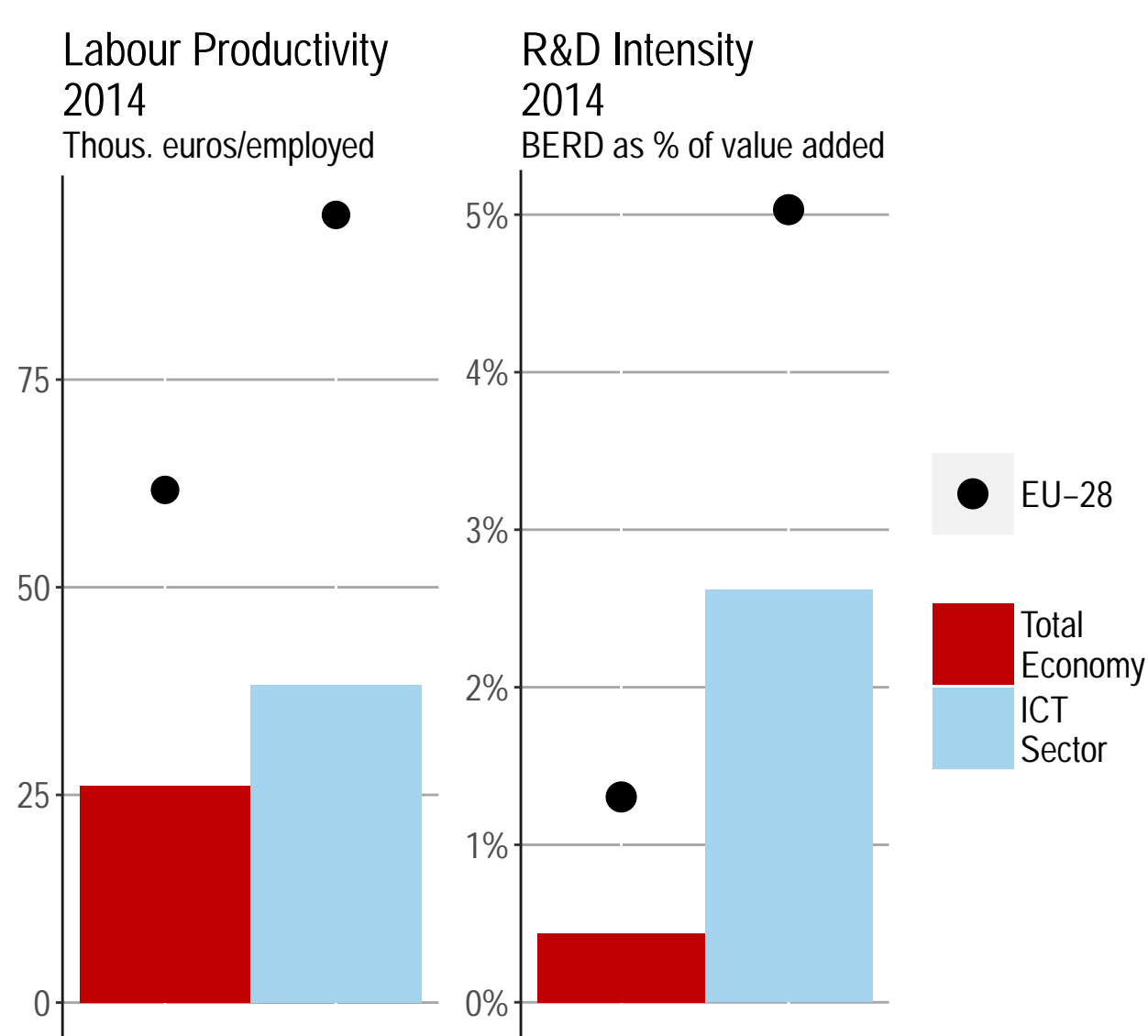
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

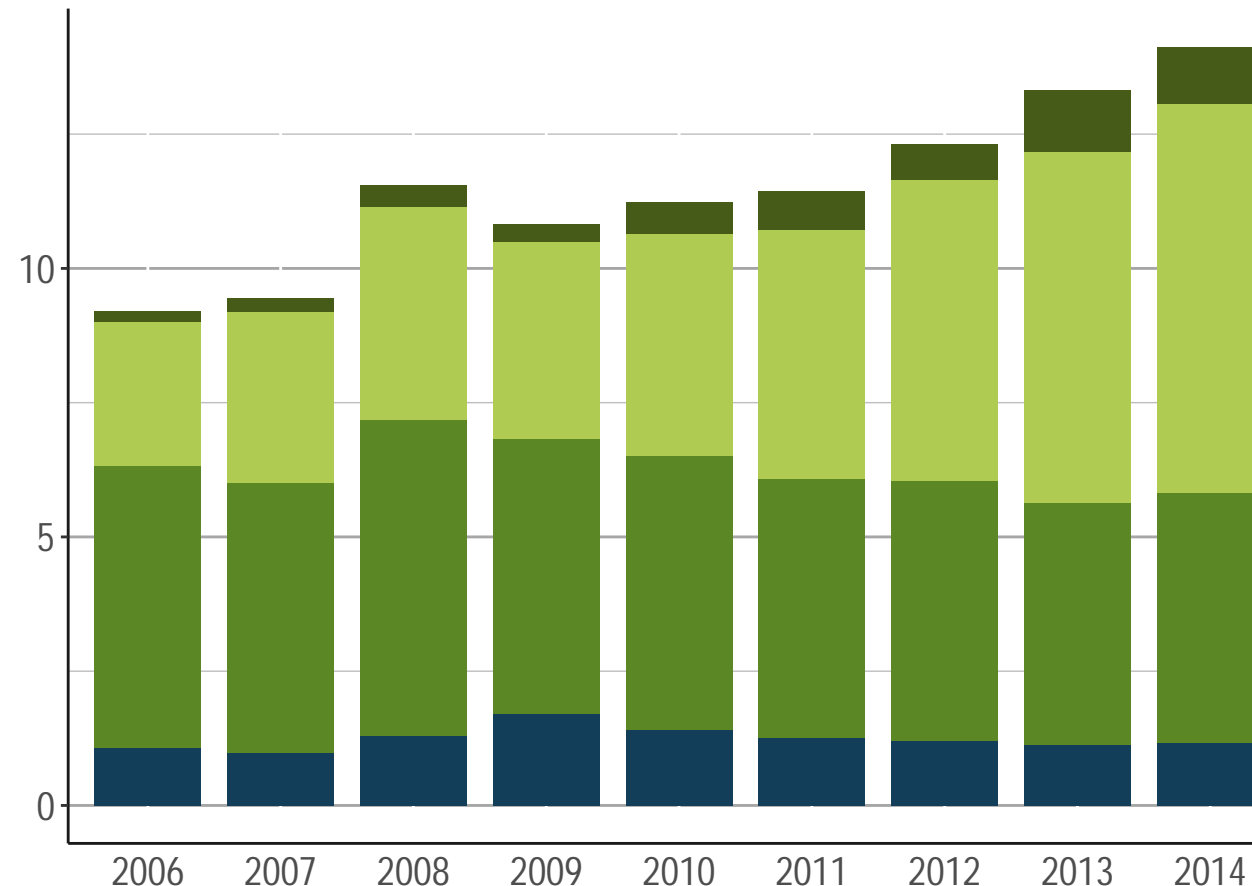
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share PL/EU 2014 ¹	PL2014vs PL2006 ³	EU2014vs EU2006 ³
Total economy	477	535	679	597	694	855	1276	1499	1800	1.0%	377	133
ICT sector	48	59	77	88	185	239	289	309	370	1.2%	772	114
Manufacturing	6	9	12	12	20	20	23	21	25	0.2%	424	83
Telecommunications	13	13	17	17	47	78	88	96	128	3.8%	1016	86
Computer Services	29	36	46	58	118	139	167	188	211	1.5%	725	180
Wholesale Trade	0	0	1	1	1	2	10	3	6	0.8%	2409	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%			

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

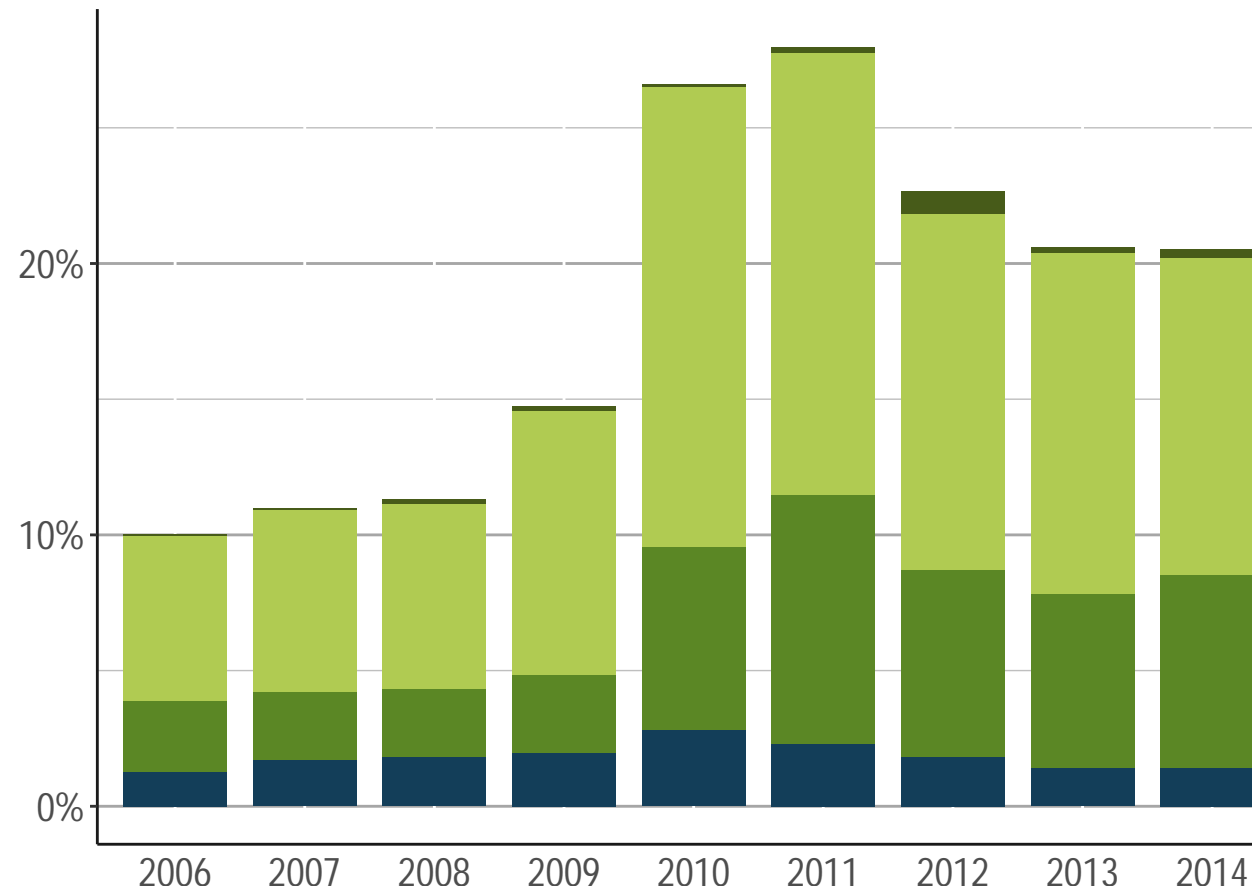
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio PL/EU 2014 ²	PL2014vs PL2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	(0.34)	252	117
ICT sector	0.5	0.6	0.7	0.8	1.6	2.1	2.3	2.3	2.6	(0.52)	503	104
Manufacturing	0.6	0.9	1.0	0.7	1.4	1.6	1.9	1.9	2.2	(0.10)	394	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Legend: Wholesale trade (dark blue), Computer Services (light green), Telecommunications (medium green), Manufacturing (dark green)

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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.

PORTUGAL (PT)

Economic and industry trends

Value added (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share PT/EU 2014 ¹	PT2014vs PT2006 ³	EU2014vs EU2006 ³
Total economy	166	175	179	175	180	176	168	170	173	1.2%	104	114
ICT sector	6	6	6	6	6	6	6	5	5	0.9%	96	110
Manufacturing	1	1	1	0	1	0	0	0	0	0.7%	51	72
Telecommunications	3	3	3	3	3	3	3	3	2	1.3%	73	92
Computer Services	1	1	2	2	2	2	2	2	2	0.7%	155	139
Wholesale Trade	0	1	0	1	1	1	1	1	1	1.2%	192	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 PT/EU 2014 ¹	PT2014vs PT2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio PT/EU 2014 ²	PT2014vs PT2006 ³	EU2014vs EU2006 ³
Total economy	33	35	35	36	37	37	37	38	38	(0.62)	117	113
ICT sector	99	98	94	89	85	81	75	72	68	(0.71)	68	104
Manufacturing	61	68	64	48	63	48	42	45	43	(0.55)	71	101
Telecommunications	244	262	251	242	216	222	194	177	167	(1.03)	68	99
Computer Services	48	47	47	46	46	44	42	41	41	(0.51)	84	112
Wholesale Trade	58	69	63	69	68	66	70	85	80	(0.98)	138	116

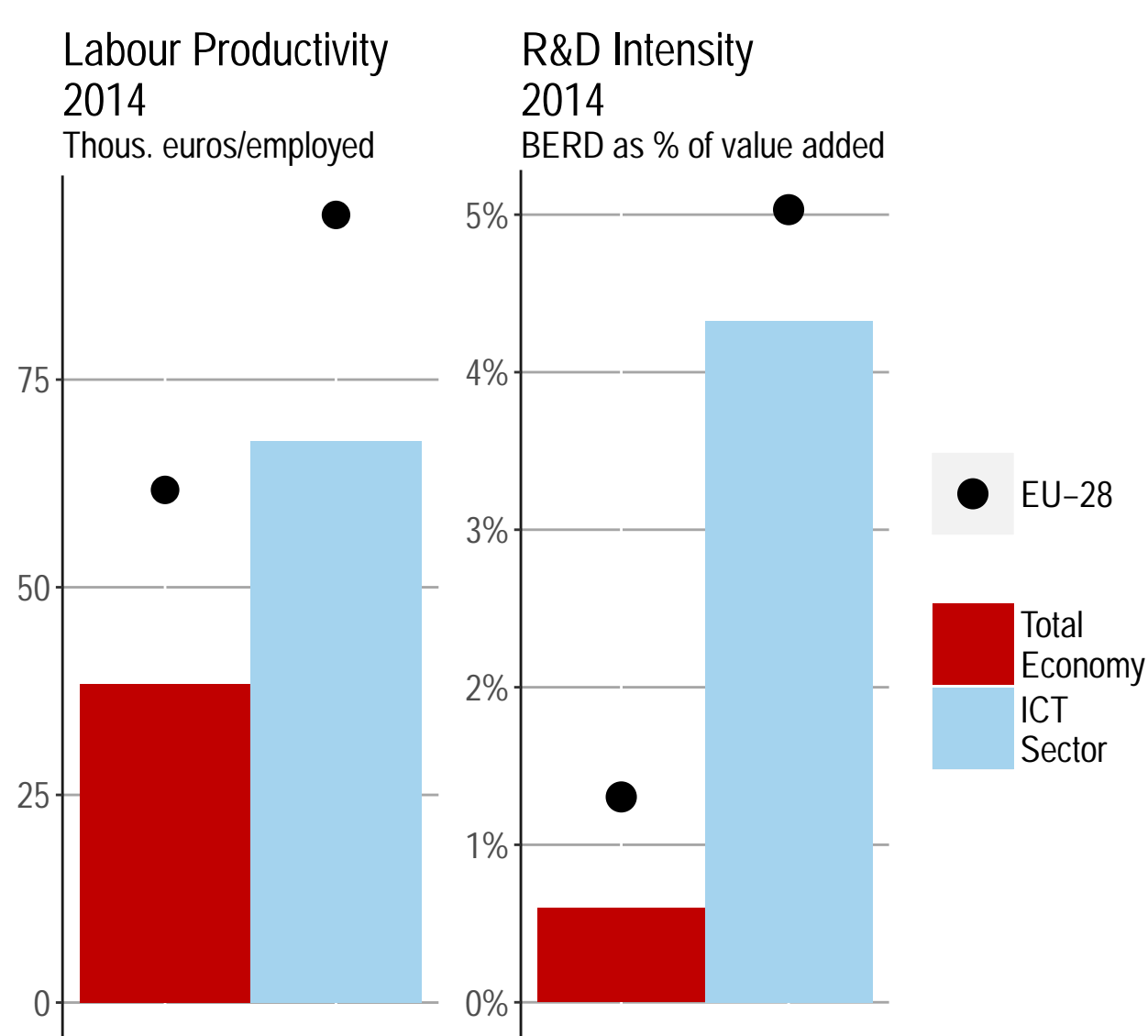
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

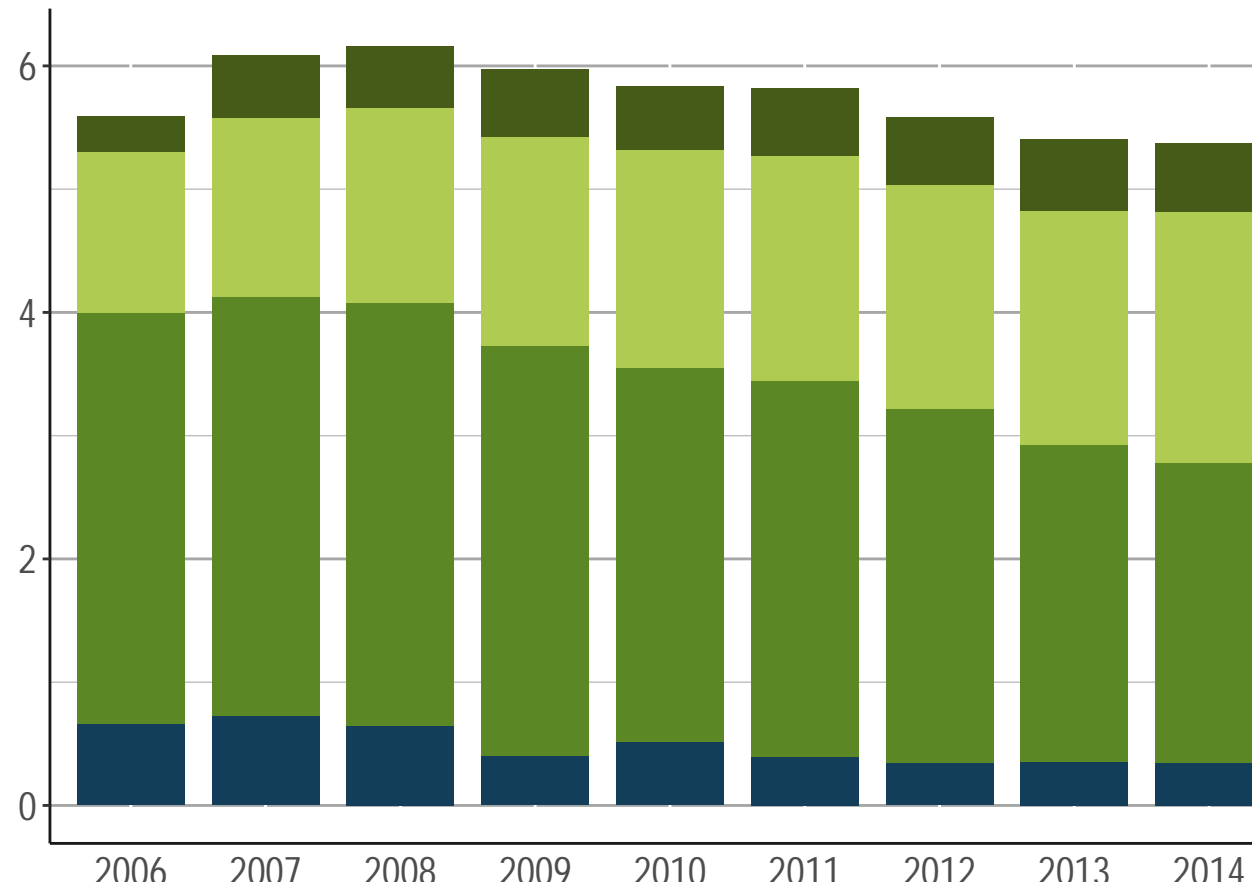
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share PT/EU 2014 ¹	PT2014vs PT2006 ³	EU2014vs EU2006 ³
Total economy	736	1011	1295	1311	1266	1216	1153	1073	1036	0.6%	141	133
ICT sector	182	249	320	387	398	403	341	280	232	0.8%	128	114
Manufacturing	47	27	28	18	17	23	22	21	24	0.2%	52	83
Telecommunications	68	120	149	218	183	211	136	107	50	1.5%	73	86
Computer Services	64	99	141	150	144	114	130	131	142	1.0%	224	180
Wholesale Trade	3	3	2	1	55	55	52	21	16	2.0%	543	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)

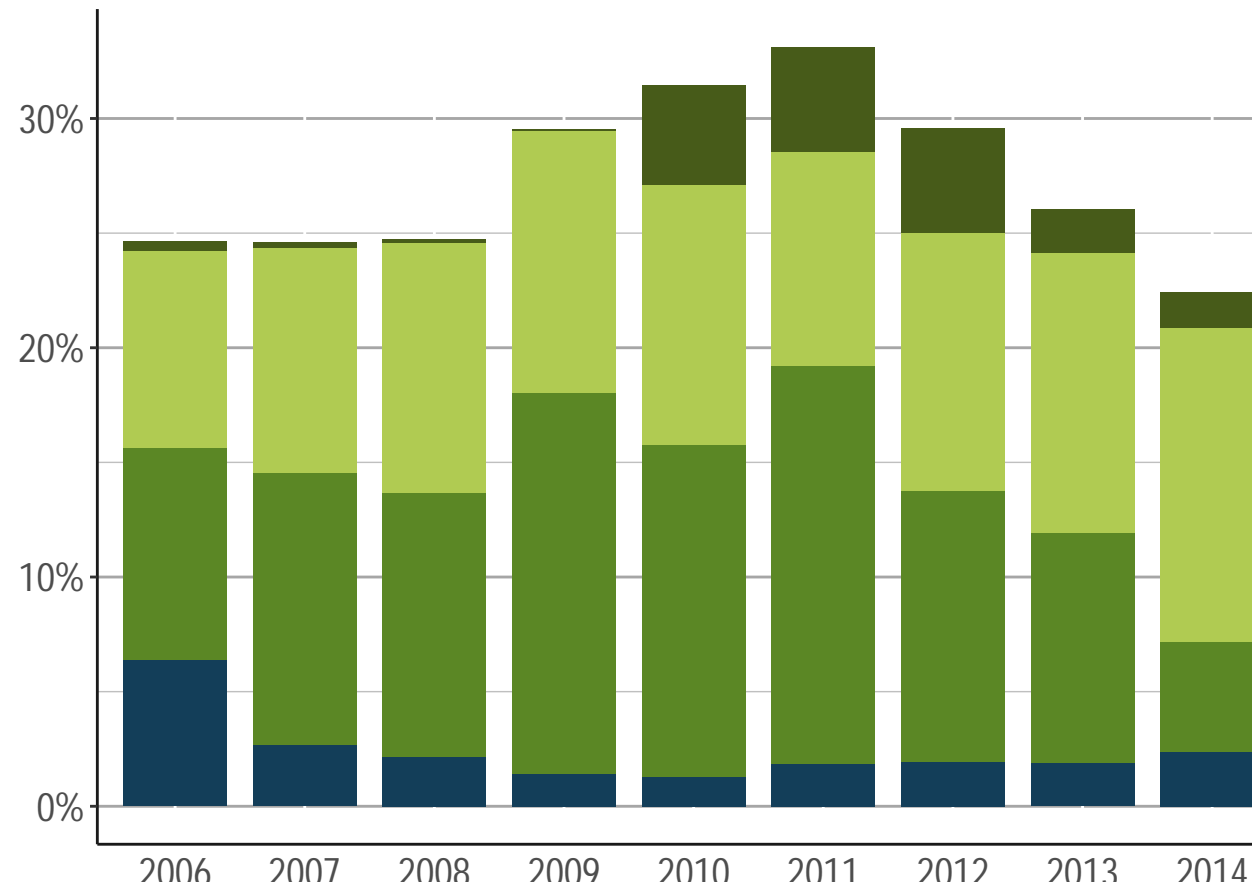
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio PT/EU 2014 ²	PT2014vs PT2006 ³	EU2014vs EU2006 ³
Total economy	0.4	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	(0.46)	135	117
ICT sector	3.2	4.1	5.2	6.5	6.8	6.9	6.1	5.2	4.3	(0.86)	133	104
Manufacturing	7.1	3.7	4.3	4.5	3.3	5.7	6.4	5.9	7.2	(0.33)	101	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share RO/EU 2014 ¹	RO2014vs RO2006 ³	EU2014vs EU2006 ³
Total economy	98	125	142	120	127	133	134	144	150	1.1%	153	114
ICT sector	4	7	8	6	7	7	6	8	8	1.4%	203	110
Manufacturing	0	1	1	1	1	1	0	1	1	1.2%	141	72
Telecommunications	3	3	3	3	2	2	2	2	3	1.4%	103	92
Computer Services	1	3	3	2	3	3	3	4	5	1.6%	481	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.7%	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 RO/EU 2014 ¹	RO2014vs RO2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio RO/EU 2014 ²	RO2014vs RO2006 ³	EU2014vs EU2006 ³
Total economy	11	13	15	13	14	15	15	17	17	(0.28)	165	113
ICT sector	26	40	48	43	51	46	35	45	48	(0.51)	182	104
Manufacturing	8	11	13	21	50	36	12	18	16	(0.20)	196	101
Telecommunications	38	46	50	67	55	57	35	46	49	(0.30)	130	99
Computer Services	36	91	144	43	52	47	44	58	63	(0.79)	174	112
Wholesale Trade	15	18	19	20	13	13	43	40	45	(0.55)	295	116

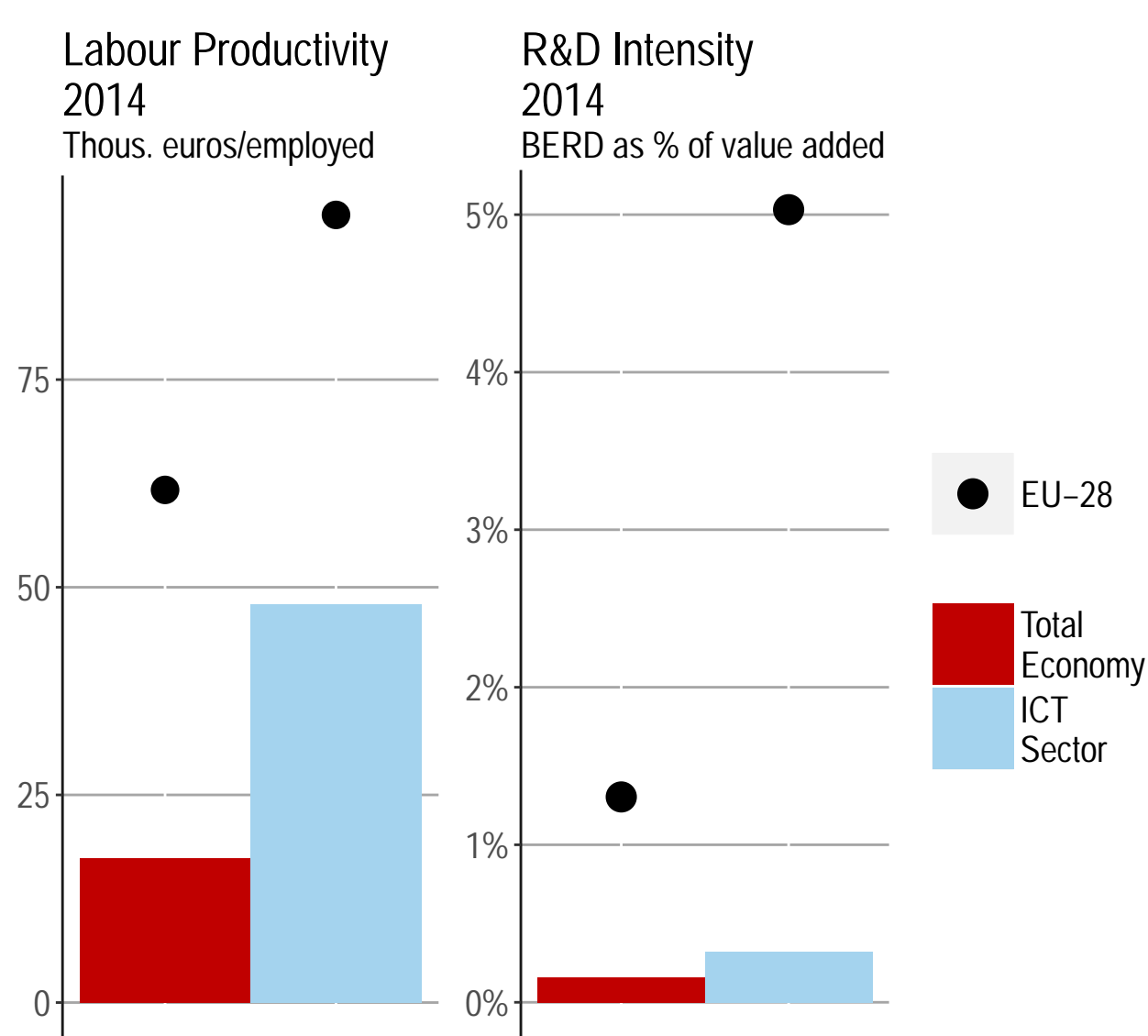
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

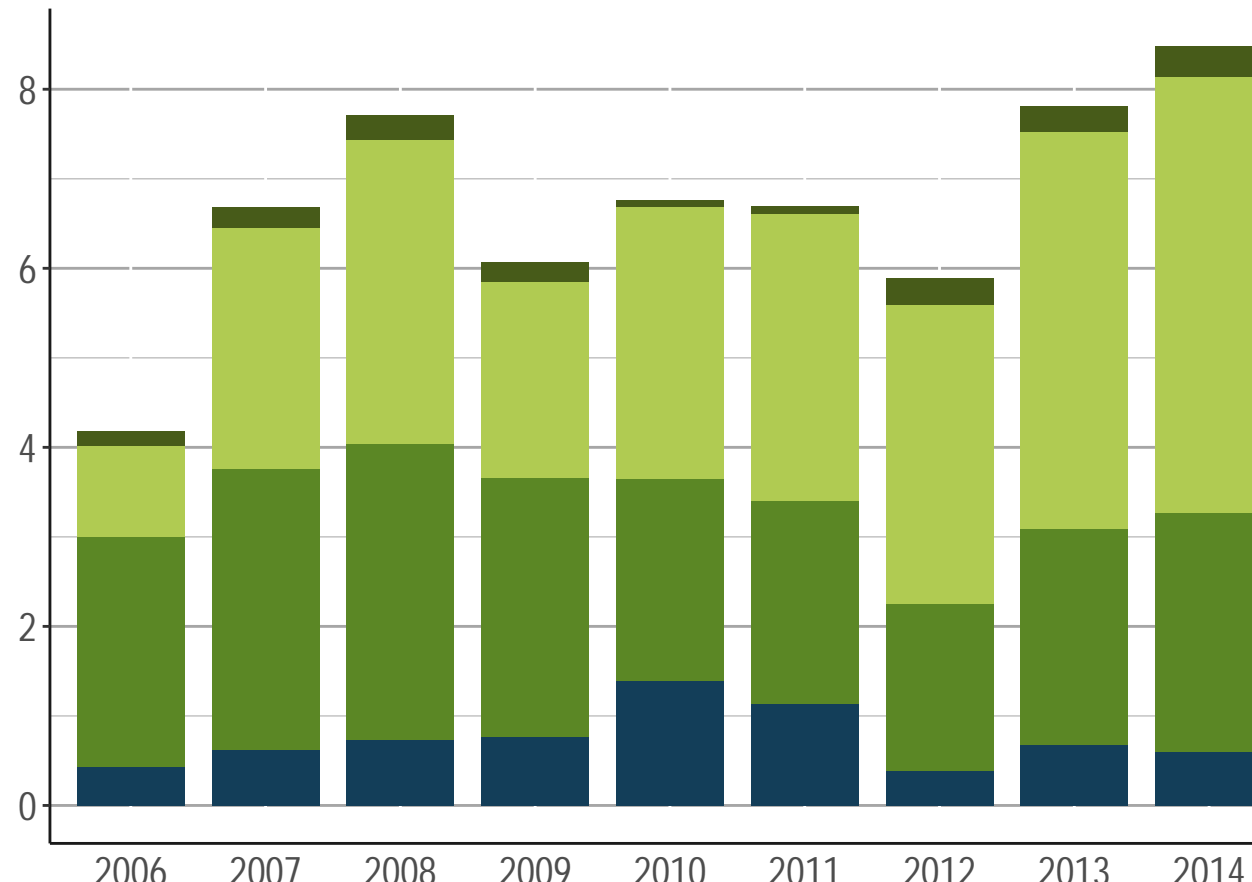
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share RO/EU 2014 ¹	RO2014vs RO2006 ³	EU2014vs EU2006 ³
Total economy	215	272	242	223	220	237	251	171	238	0.1%	111	133
ICT sector	18	29	11	35	29	43	61	26	27	0.1%	148	114
Manufacturing	3	3	4	3	2	1	15	9	1	0.0%	55	83
Telecommunications	0	0	0	0	0	1	5	0	1	0.0%	599	86
Computer Services	16	25	7	32	27	41	40	16	25	0.2%	157	180
Wholesale Trade	0	0	0	0	0	0	1	1	0	0.0%	-	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)

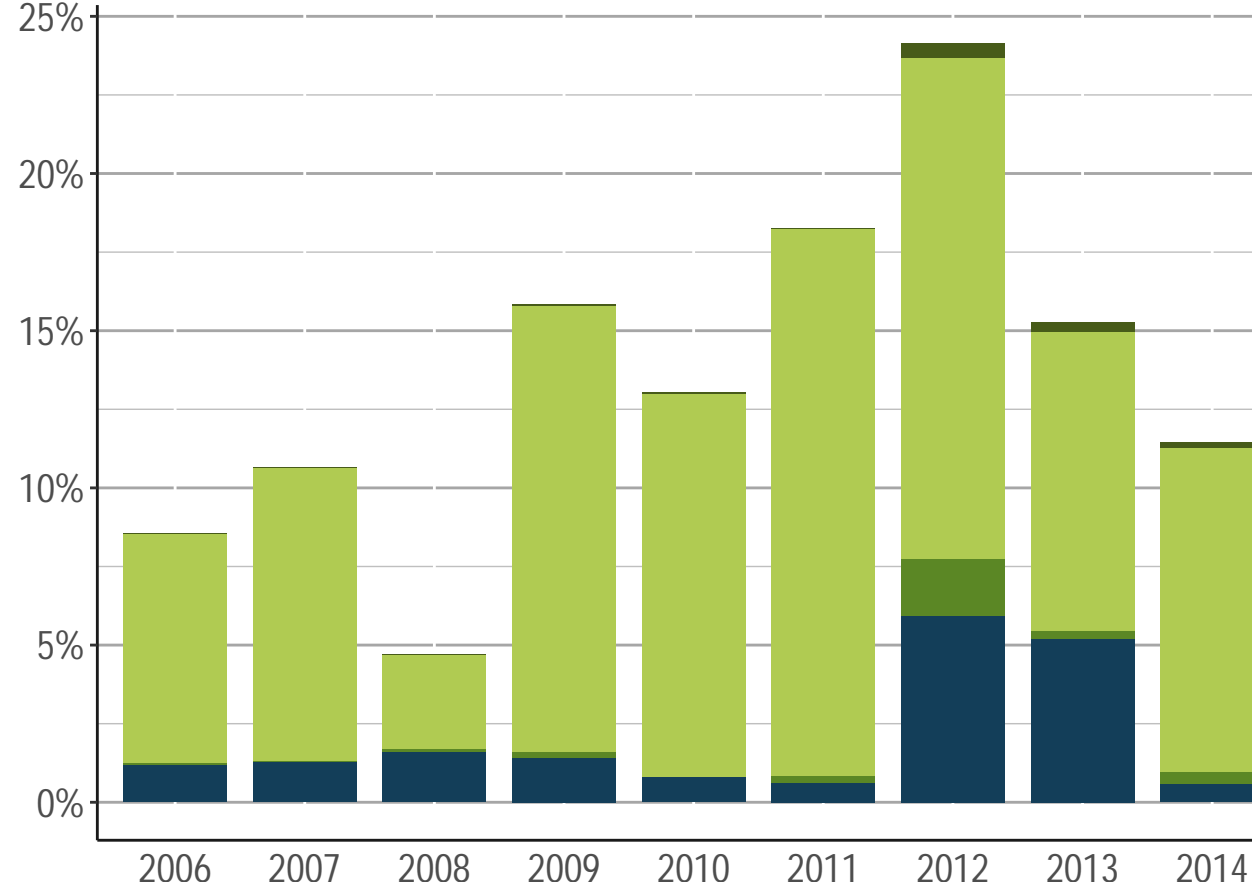
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio RO/EU 2014 ²	RO2014vs RO2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	(0.12)	72	117
ICT sector	0.4	0.4	0.1	0.6	0.4	0.6	1.0	0.3	0.3	(0.06)	73	104
Manufacturing	0.6	0.6	0.5	0.4	0.1	0.1	3.8	1.3	0.2	(0.01)	39	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SK/EU 2014 ¹	SK2014vs SK2006 ³	EU2014vs EU2006 ³
Total economy	46	56	66	64	68	71	73	74	76	0.5%	167	114
ICT sector	2	2	3	3	3	3	3	3	3	0.5%	164	110
Manufacturing	0	0	1	0	1	1	1	0	1	1.1%	168	72
Telecommunications	1	1	1	1	1	1	1	1	1	0.6%	130	92
Computer Services	1	1	1	1	1	1	2	2	1	0.5%	212	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.4%	134	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 SK/EU 2014 ¹	SK2014vs SK2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SK/EU 2014 ²	SK2014vs SK2006 ³	EU2014vs EU2006 ³
Total economy	21	26	29	29	31	32	33	34	34	(0.55)	160	113
ICT sector	35	41	48	44	53	52	55	52	50	(0.53)	144	104
Manufacturing	21	18	34	21	35	39	41	36	43	(0.55)	205	101
Telecommunications	85	101	114	115	117	113	113	101	96	(0.59)	113	99
Computer Services	26	35	37	37	42	42	46	43	38	(0.48)	148	112
Wholesale Trade	25	38	45	35	60	39	47	55	55	(0.67)	217	116

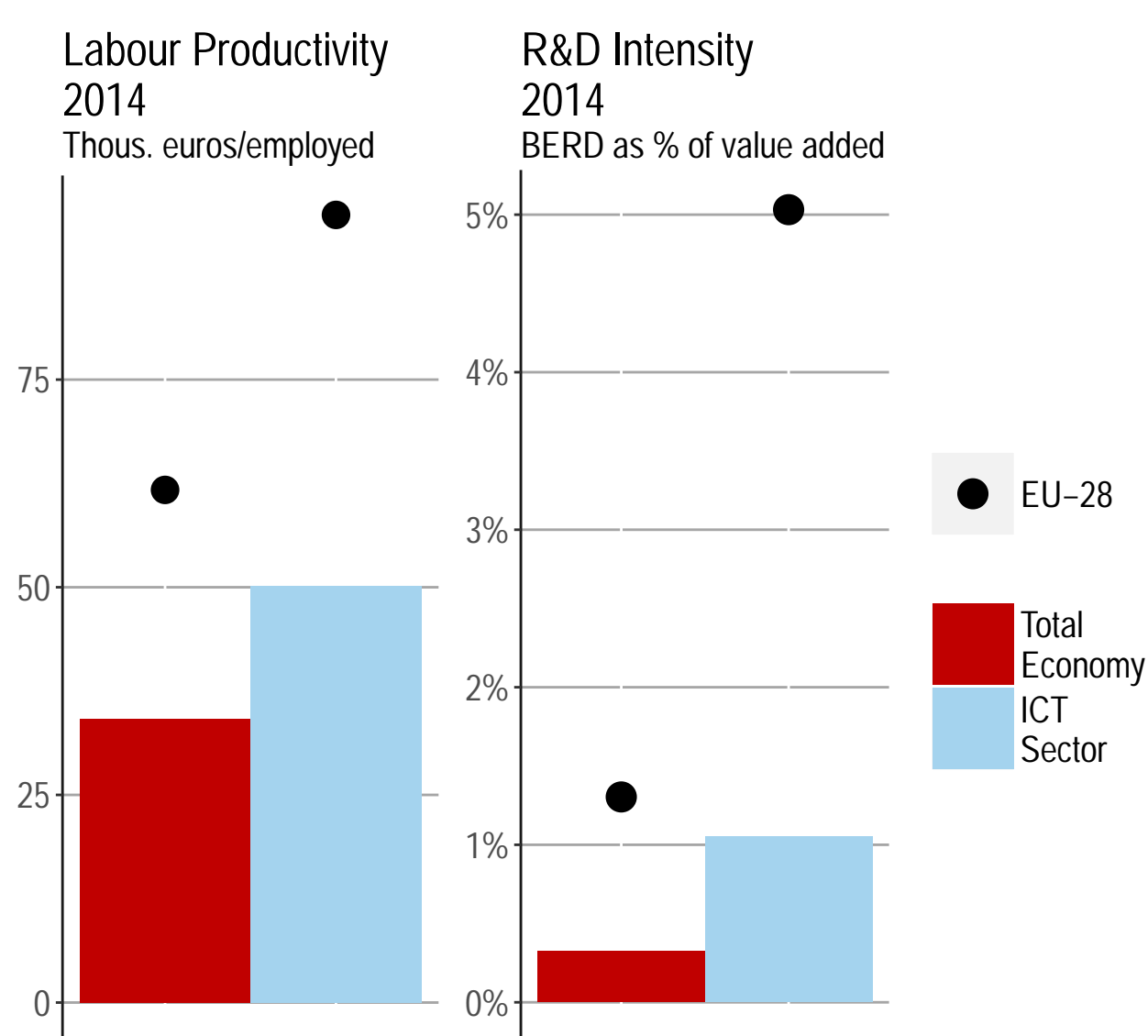
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

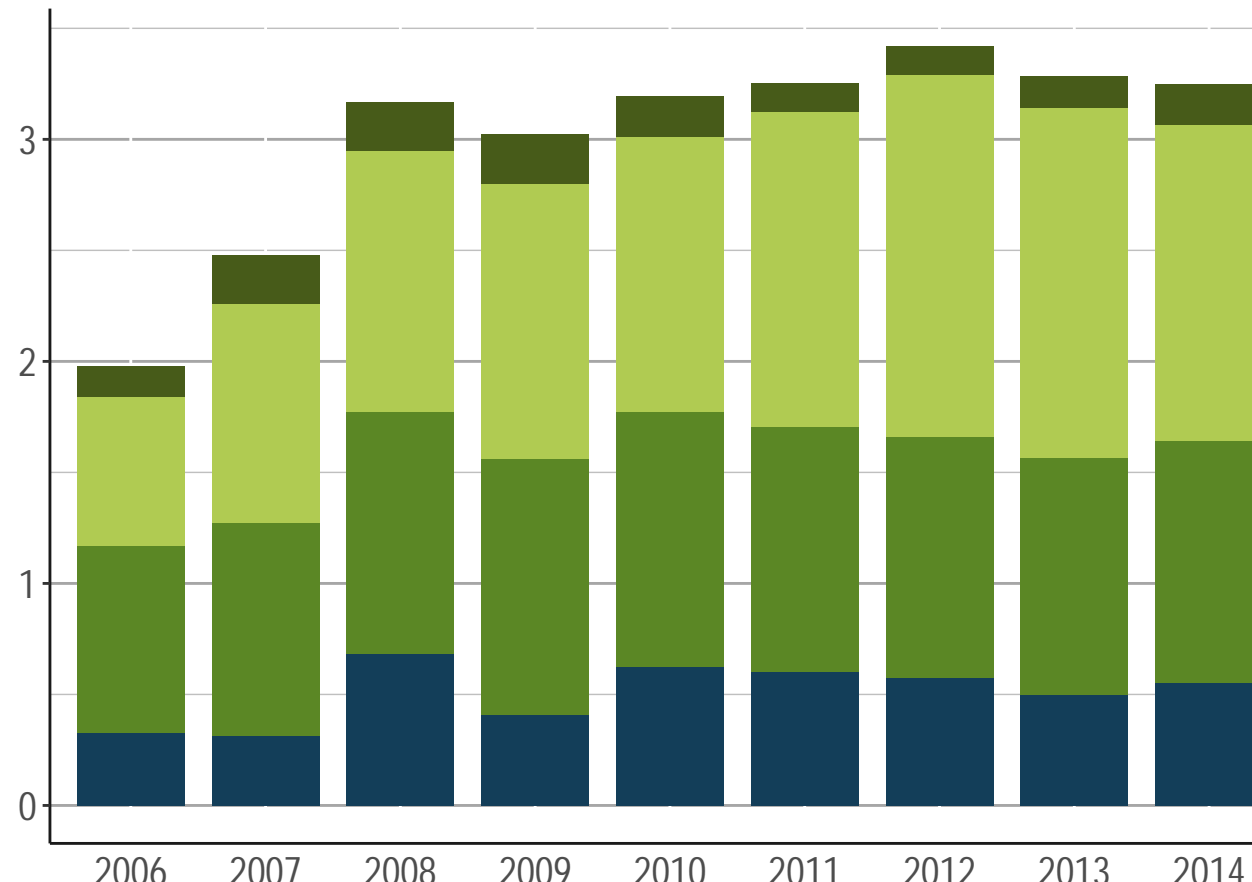
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SK/EU 2014 ¹	SK2014vs SK2006 ³	EU2014vs EU2006 ³
Total economy	93	100	131	124	175	174	242	283	247	0.1%	264	133
ICT sector	7	9	3	3	6	7	32	34	34	0.1%	472	114
Manufacturing	6	7	1	1	1	1	1	1	2	0.0%	28	83
Telecommunications	0	0	0	0	0	1	1	1	0	0.0%	-	86
Computer Services	1	2	2	2	5	5	30	31	31	0.2%	2338	180
Wholesale Trade	0	0	0	0	0	0	0	0	1	0.1%	-	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)

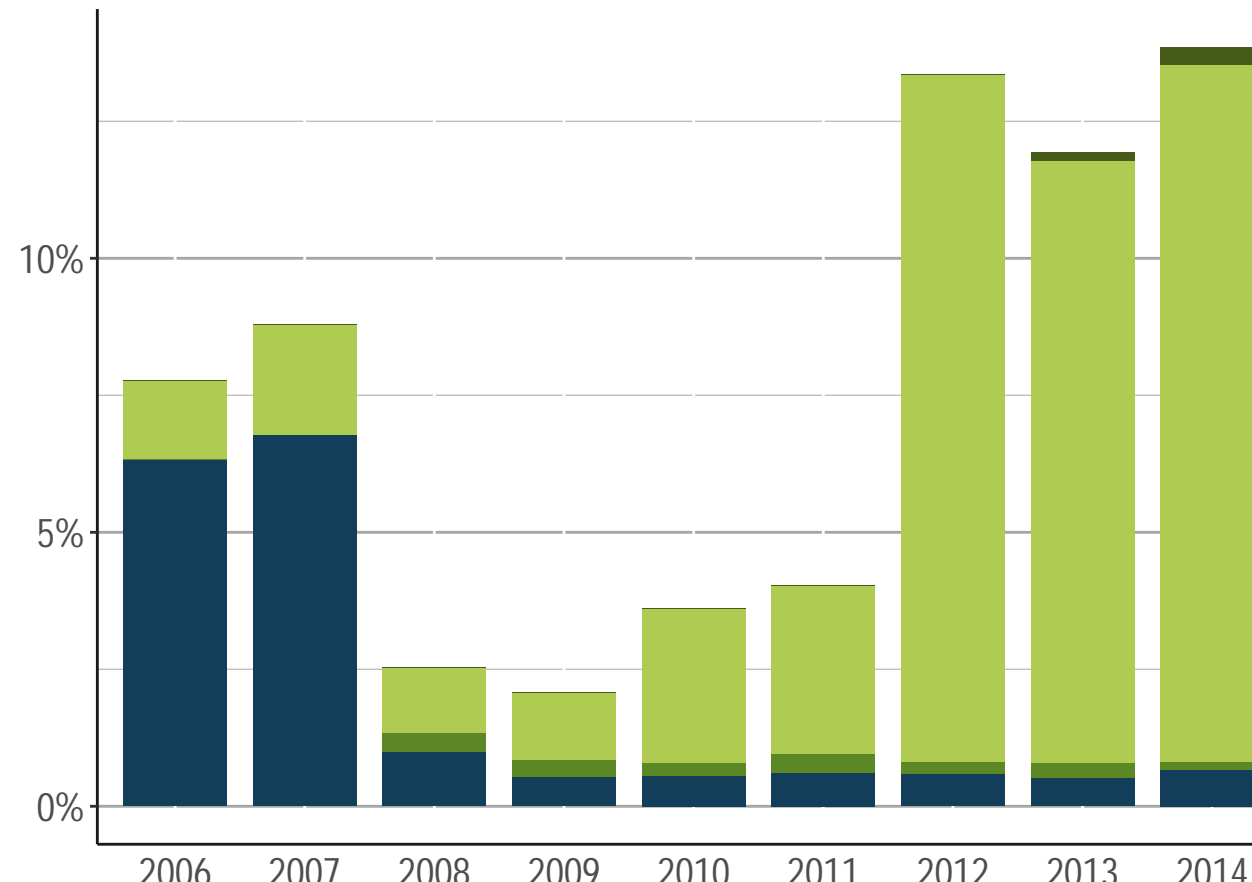
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SK/EU 2014 ²	SK2014vs SK2006 ³	EU2014vs EU2006 ³
Total economy	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.4	0.3	(0.25)	159	117
ICT sector	0.4	0.4	0.1	0.1	0.2	0.2	0.9	1.0	1.1	(0.21)	287	104
Manufacturing	1.8	2.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	(0.01)	17	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SI/EU 2014 ¹	SI2014vs SI2006 ³	EU2014vs EU2006 ³
Total economy	32	35	38	36	36	37	36	36	37	0.3%	118	114
ICT sector	1	1	1	1	1	1	1	1	1	0.2%	126	110
Manufacturing	0	0	0	0	0	0	0	0	0	0.3%	92	72
Telecommunications	1	1	1	1	1	1	1	1	1	0.3%	101	92
Computer Services	0	0	0	0	1	1	1	1	1	0.2%	175	139
Wholesale Trade	0	0	0	0	0	0	0	0	0	0.1%	168	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 SI/EU 2014 ¹	SI2014vs SI2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SI/EU 2014 ²	SI2014vs SI2006 ³	EU2014vs EU2006 ³
Total economy	33	36	38	37	38	39	38	39	40	(0.65)	120	113
ICT sector	52	55	57	49	53	54	53	52	54	(0.56)	104	104
Manufacturing	31	32	34	25	33	35	32	33	37	(0.47)	120	101
Telecommunications	107	113	115	98	105	110	108	102	100	(0.61)	94	99
Computer Services	38	40	42	39	40	41	41	40	42	(0.52)	110	112
Wholesale Trade	27	35	53	37	43	35	41	42	51	(0.62)	192	116

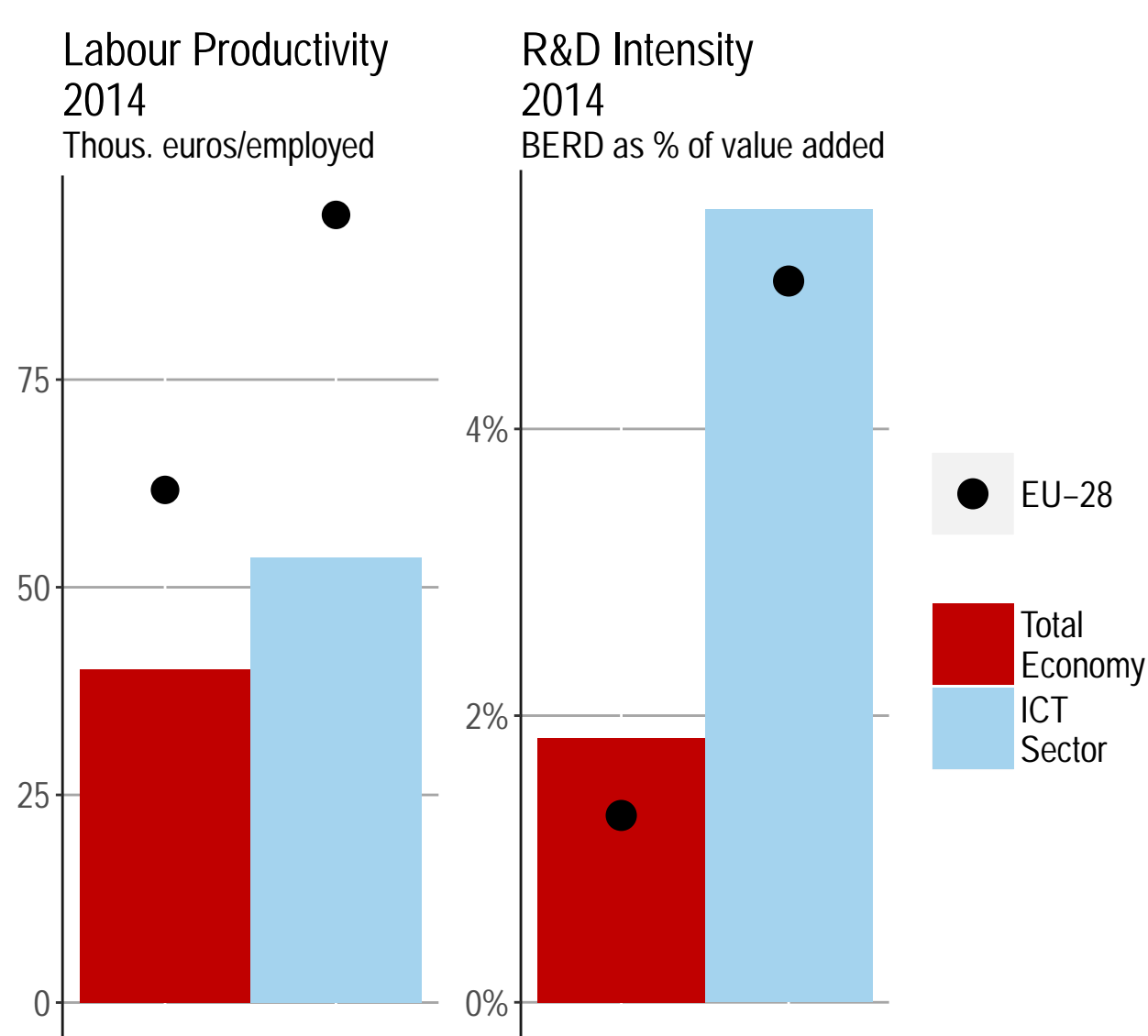
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

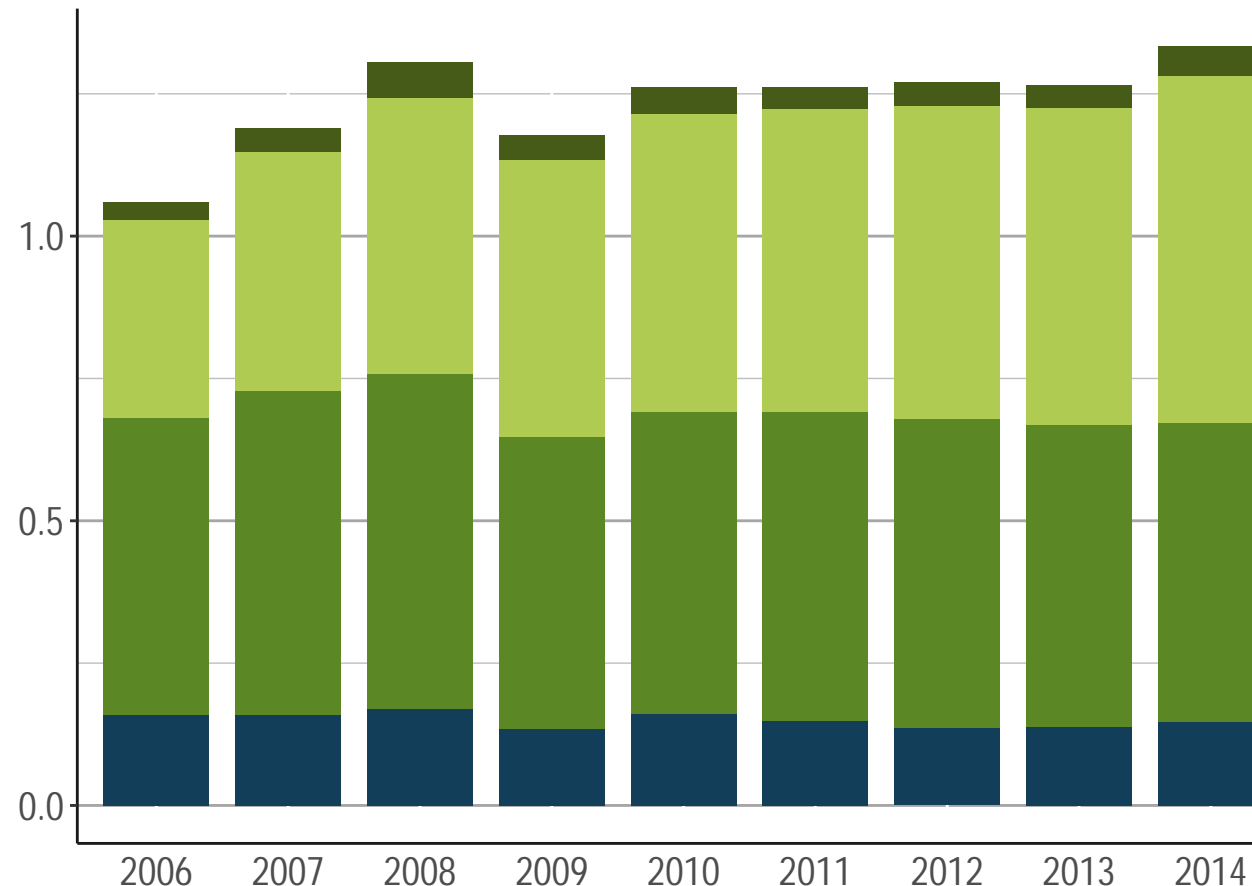
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SI/EU 2014 ¹	SI2014vs SI2006 ³	EU2014vs EU2006 ³
Total economy	291	299	398	424	506	660	703	716	689	0.4%	236	133
ICT sector	38	41	48	49	54	72	62	60	74	0.2%	193	114
Manufacturing	32	33	32	26	28	30	28	28	27	0.2%	84	83
Telecommunications	0	0	1	2	5	3	2	2	7	0.2%	-	86
Computer Services	6	8	15	19	20	38	32	30	39	0.3%	669	180
Wholesale Trade	0	0	0	2	2	1	1	0	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)

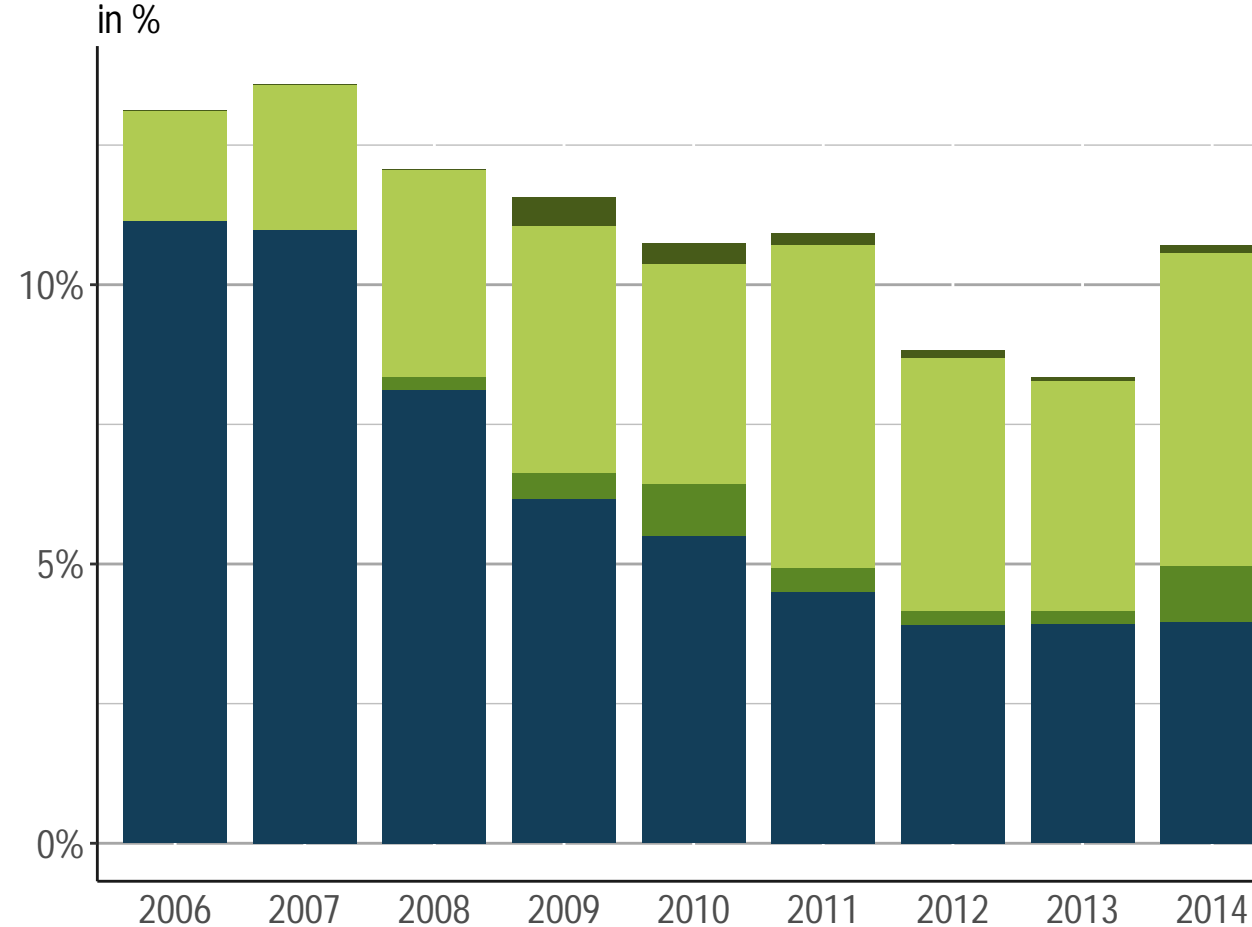
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SI/EU 2014 ²	SI2014vs SI2006 ³	EU2014vs EU2006 ³
Total economy	0.9	0.9	1.0	1.2	1.4	1.8	2.0	2.0	1.8	(1.41)	200	117
ICT sector	3.6	3.4	3.7	4.2	4.3	5.7	4.9	4.7	5.5	(1.10)	153	104
Manufacturing	20.3	20.6	19.1	19.3	17.3	20.0	20.1	20.5	18.6	(0.85)	91	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Legend: Wholesale trade (dark blue), Computer Services (light green), Telecommunications (medium green), Manufacturing (dark green)

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share ES/EU 2014 ¹	ES2014vs ES2006 ³	EU2014vs EU2006 ³
Total economy	1008	1081	1116	1079	1081	1070	1040	1026	1037	7.4%	103	114
ICT sector	36	39	41	42	40	40	39	39	38	6.5%	106	110
Manufacturing	2	2	2	2	2	2	1	2	2	3.0%	88	72
Telecommunications	19	20	21	21	20	19	19	18	16	8.8%	87	92
Computer Services	13	14	15	16	15	16	16	17	17	5.6%	136	139
Wholesale Trade	3	3	4	3	3	3	3	3	3	6.7%	109	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 ES/EU 2014 ¹	ES2014vs ES2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio ES/EU 2014 ²	ES2014vs ES2006 ³	EU2014vs EU2006 ³
Total economy	49	51	52	54	55	56	57	57	58	(0.93)	118	113
ICT sector	90	95	94	97	91	89	91	92	92	(0.97)	103	104
Manufacturing	48	54	63	65	62	57	58	63	69	(0.87)	142	101
Telecommunications	287	310	279	277	260	252	258	257	240	(1.47)	84	99
Computer Services	52	56	58	60	56	56	58	61	65	(0.81)	124	112
Wholesale Trade	51	49	50	53	51	52	53	55	55	(0.67)	107	116

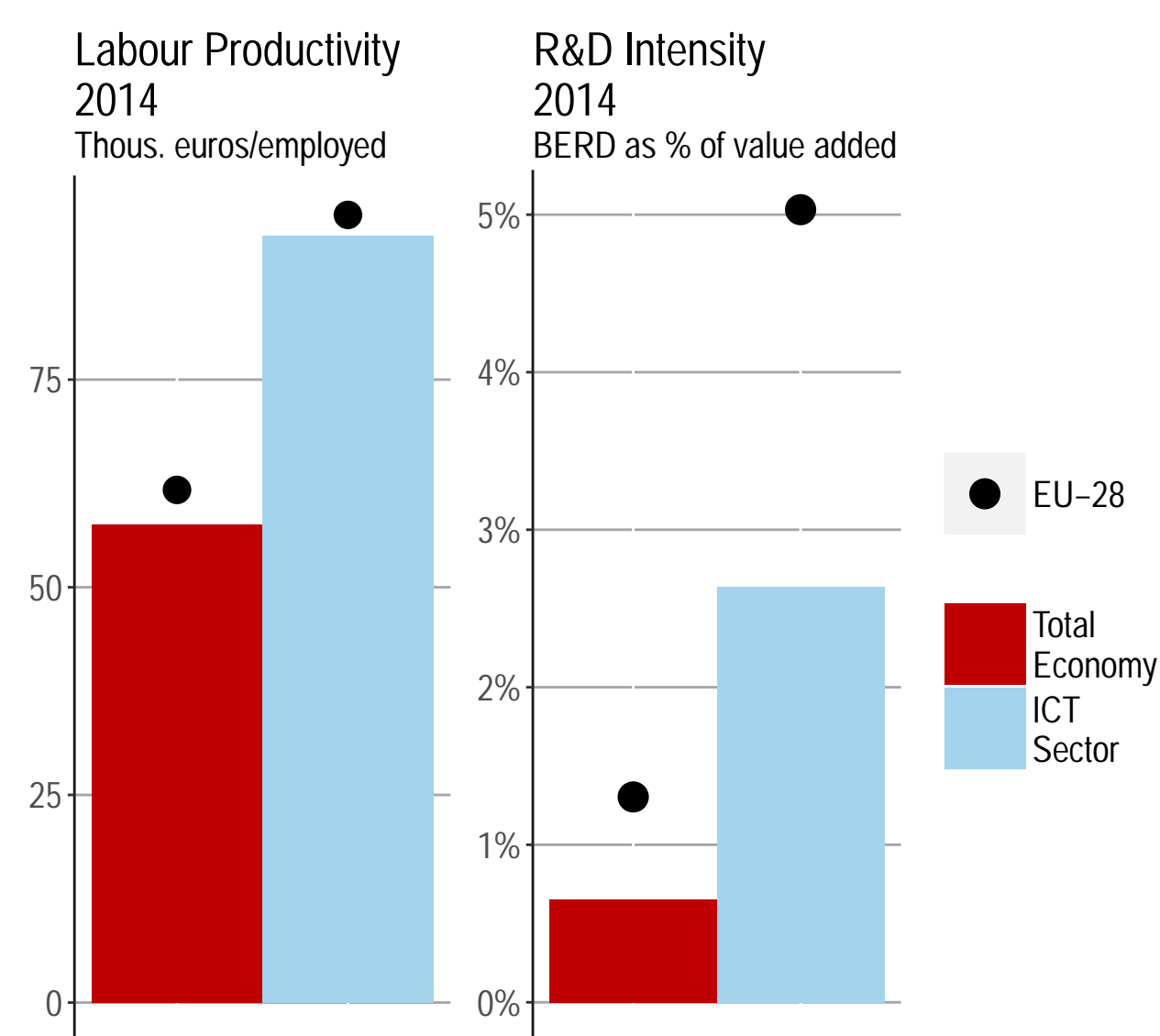
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

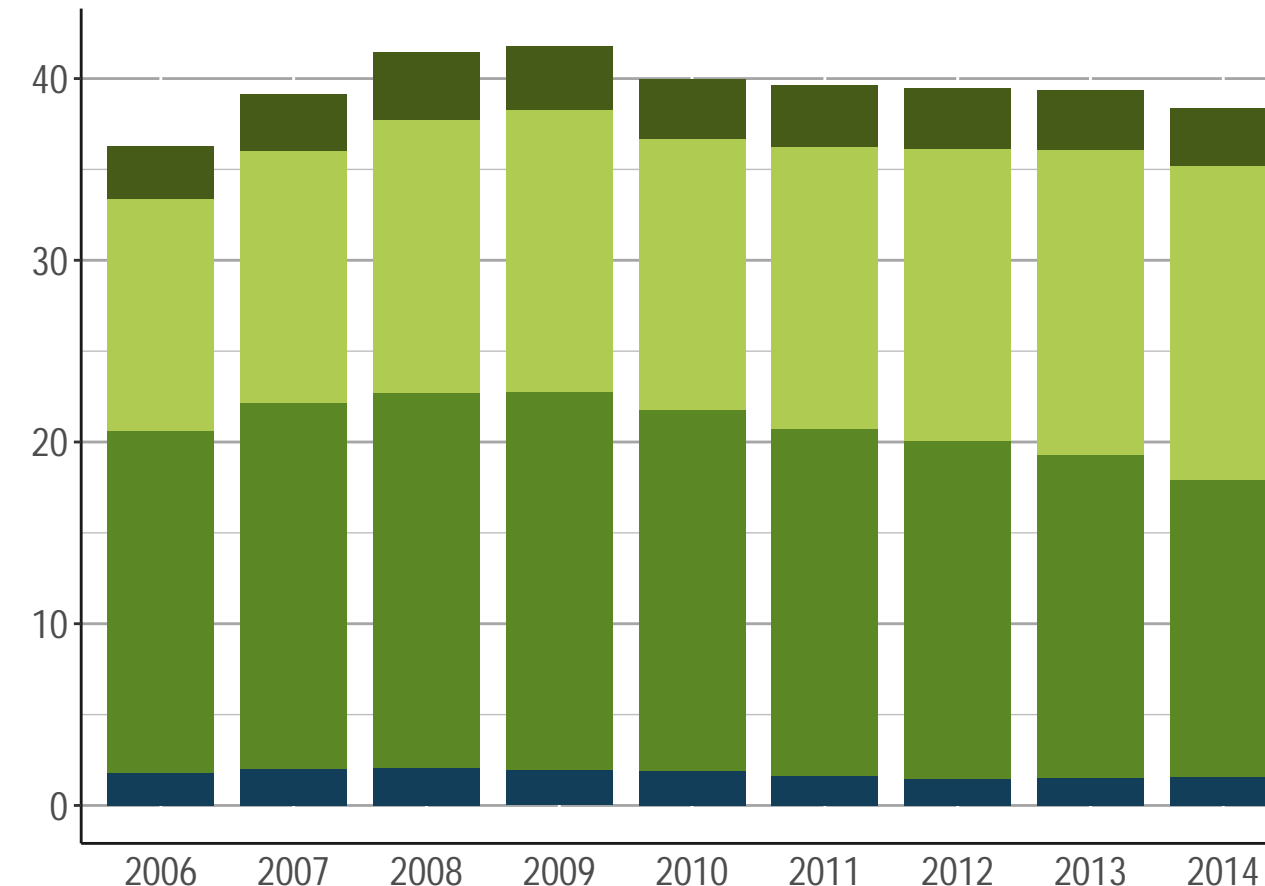
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share ES/EU 2014 ¹	ES2014vs ES2006 ³	EU2014vs EU2006 ³
Total economy	6558	7454	8074	7568	7506	7396	7094	6906	6784	3.7%	104	133
ICT sector	1022	1055	1232	1097	1042	1036	995	995	1012	3.4%	99	114
Manufacturing	209	294	177	143	134	120	112	109	111	1.0%	53	83
Telecommunications	351	196	226	206	171	171	154	150	149	4.5%	42	86
Computer Services	404	526	723	685	668	677	668	674	688	4.8%	170	180
Wholesale Trade	57	38	106	63	69	67	61	63	64	8.2%	112	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)

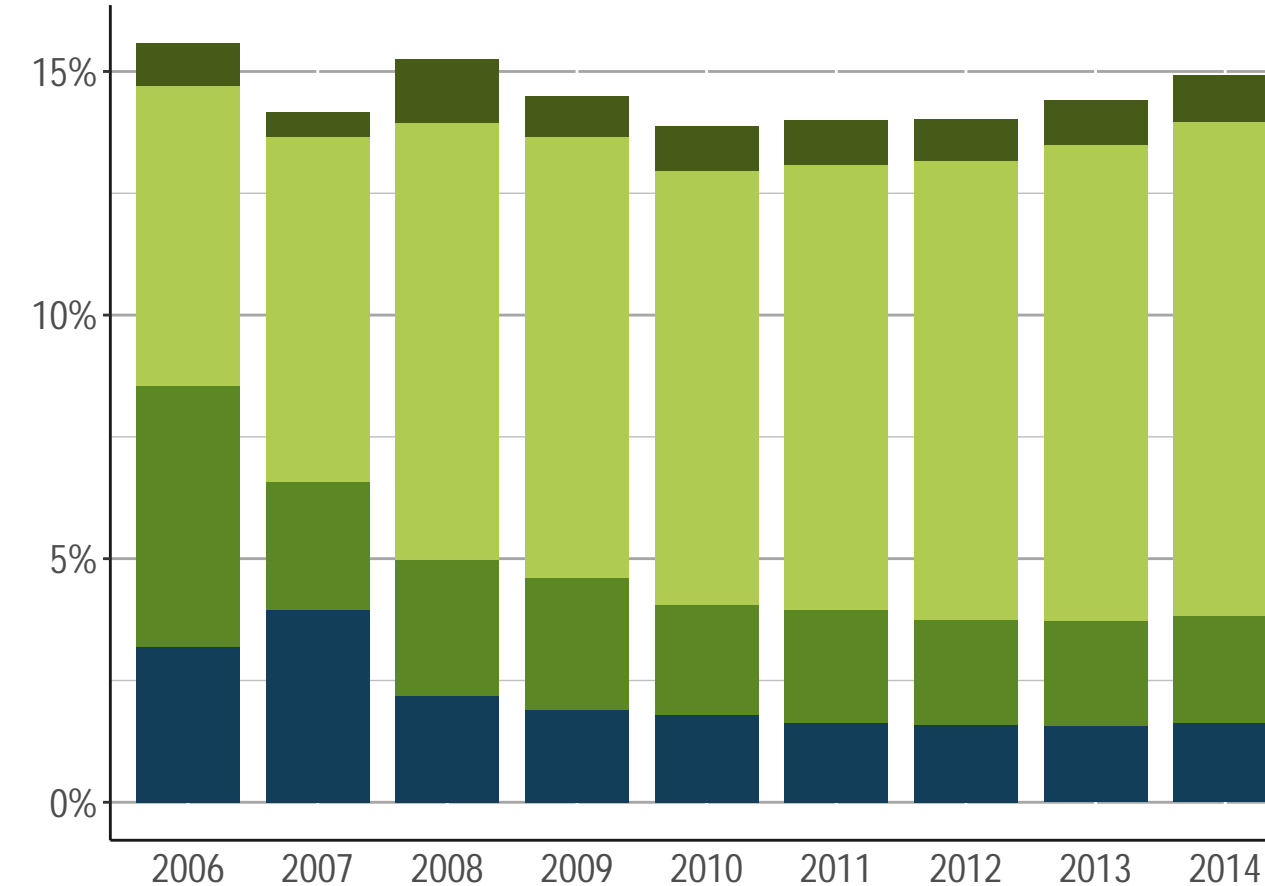
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio ES/EU 2014 ²	ES2014vs ES2006 ³	EU2014vs EU2006 ³
Total economy	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	(0.50)	101	117
ICT sector	2.8	2.7	3.0	2.6	2.6	2.6	2.5	2.5	2.6	(0.52)	94	104
Manufacturing	11.6	14.6	8.4	7.2	7.1	7.3	7.6	7.1	7.0	(0.32)	61	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Legend: Wholesale trade (dark blue), Computer Services (light green), Telecommunications (medium green), Manufacturing (dark green)

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SE/EU 2014 ¹	SE2014vs SE2006 ³	EU2014vs EU2006 ³
Total economy	335	356	352	310	369	405	423	436	433	3.1%	129	114
ICT sector	20	21	21	18	23	25	25	27	27	4.6%	133	110
Manufacturing	6	6	6	5	7	7	6	7	7	13.6%	110	72
Telecommunications	4	4	4	3	4	4	5	5	5	2.6%	127	92
Computer Services	9	9	10	9	10	12	12	13	14	4.4%	157	139
Wholesale Trade	2	2	2	1	2	2	2	2	2	3.7%	111	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 SE/EU 2014 ¹	SE2014vs SE2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SE/EU 2014 ²	SE2014vs SE2006 ³	EU2014vs EU2006 ³
Total economy	76	79	77	70	82	88	91	93	91	(1.48)	121	113
ICT sector	118	119	116	104	130	140	139	147	147	(1.55)	125	104
Manufacturing	218	209	193	163	223	228	196	226	234	(2.96)	107	101
Telecommunications	139	144	143	142	189	210	222	224	216	(1.33)	155	99
Computer Services	92	93	93	84	98	110	114	119	119	(1.50)	130	112
Wholesale Trade	71	80	84	68	83	93	98	95	96	(1.17)	135	116

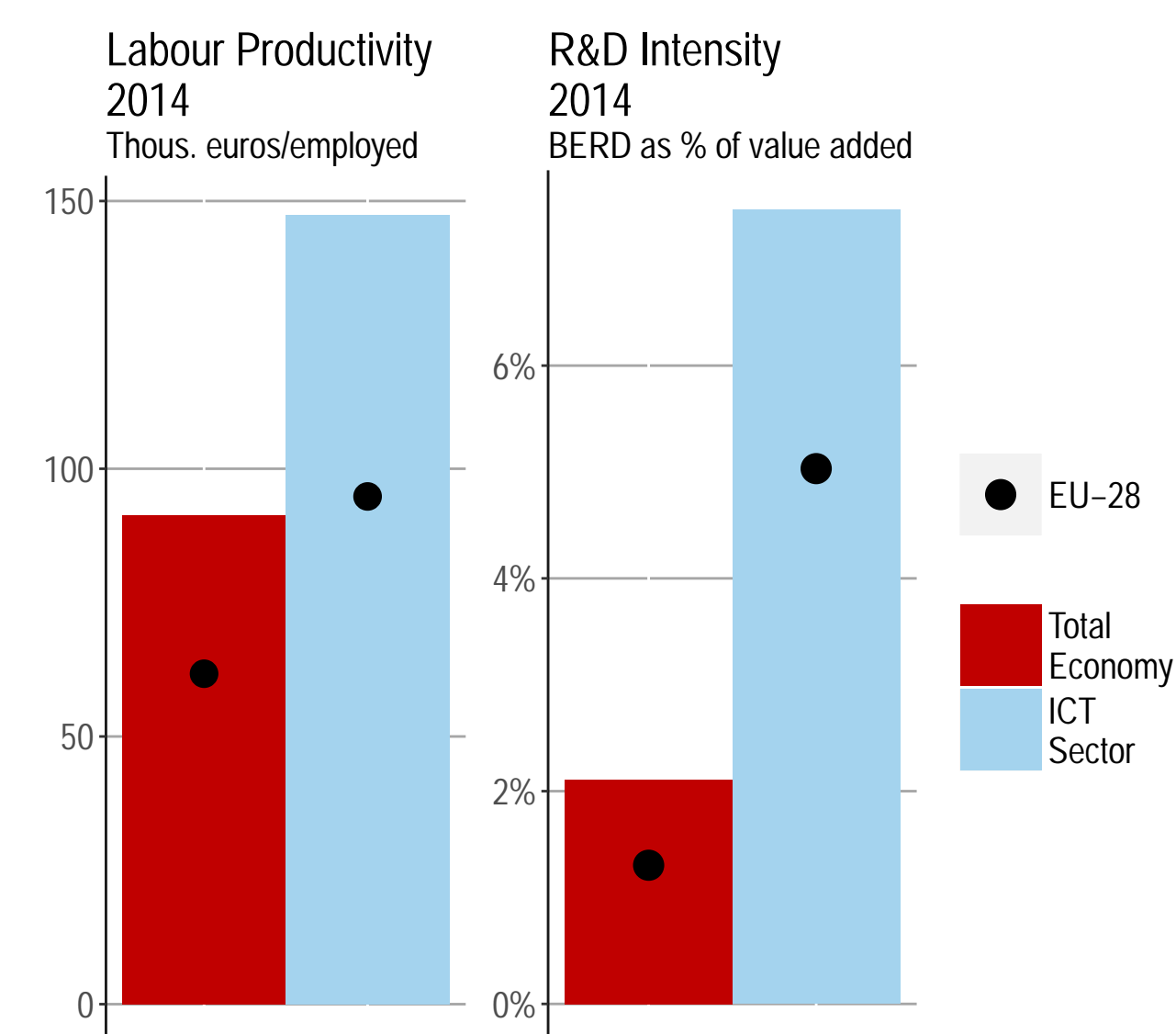
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

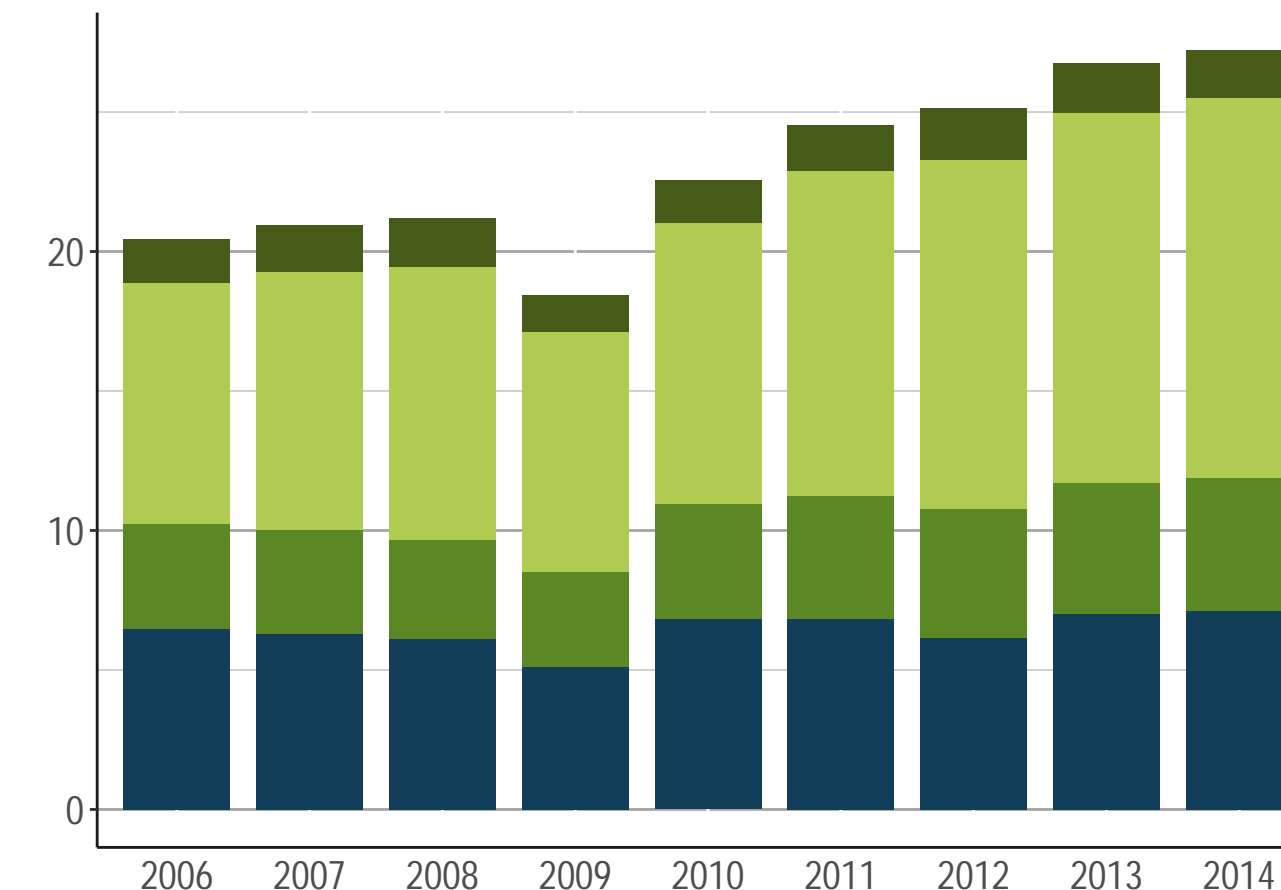
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share SE/EU 2014 ¹	SE2014vs SE2006 ³	EU2014vs EU2006 ³
Total economy	8754	8470	9119	7577	8160	9088	9417	9933	9126	5.0%	104	133
ICT sector	1782	1807	2056	1781	1964	2104	2147	2160	2030	6.8%	114	114
Manufacturing	1148	1261	1529	1402	1607	1766	1752	1705	1580	13.9%	138	83
Telecommunications	4	3	3	2	2	2	2	2	2	0.0%	39	86
Computer Services	616	530	511	366	338	309	365	425	423	3.0%	69	180
Wholesale Trade	14	13	13	10	17	27	28	28	25	3.2%	181	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)

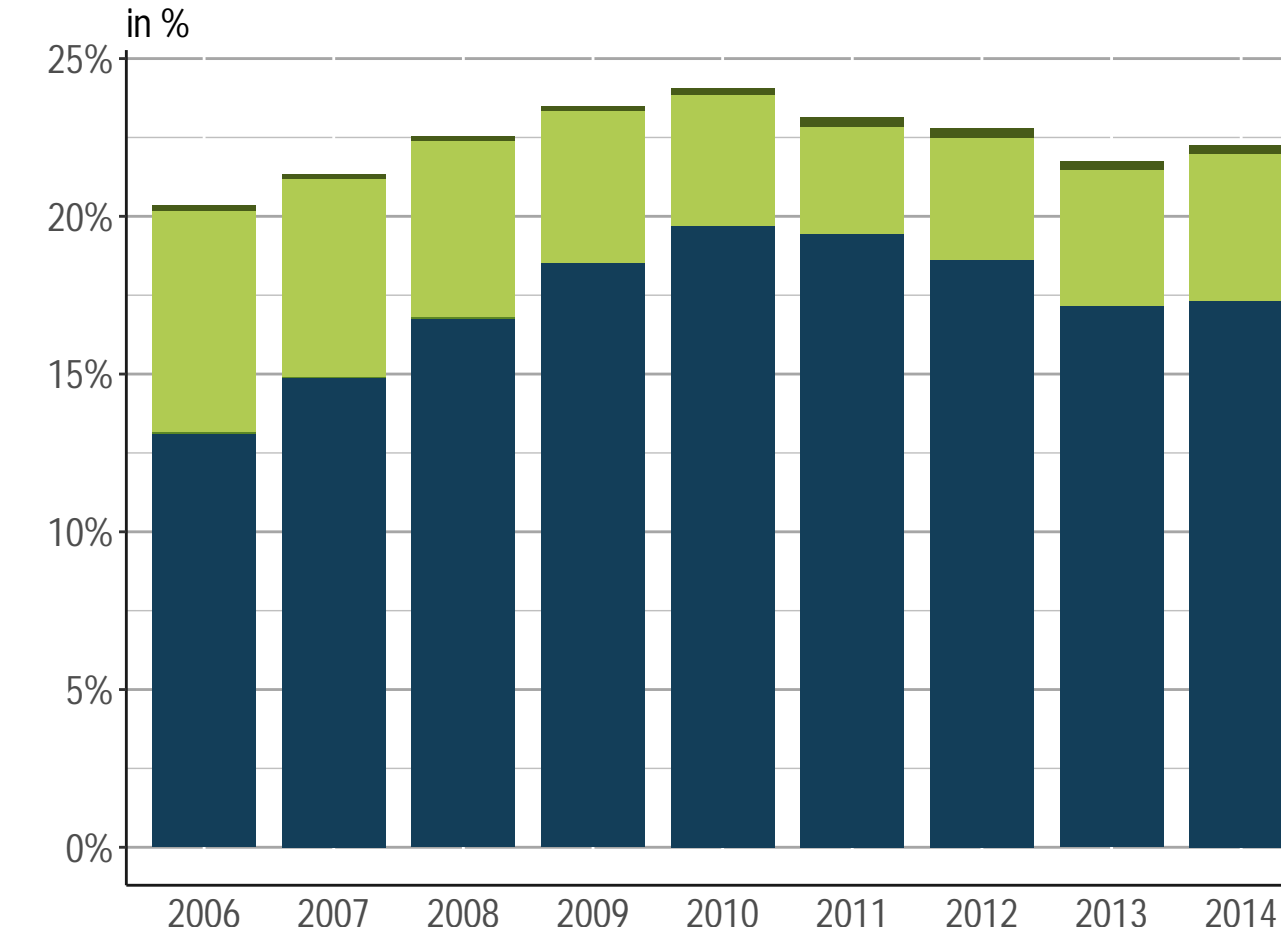
	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio SE/EU 2014 ²	SE2014vs SE2006 ³	EU2014vs EU2006 ³
Total economy	2.6	2.4	2.6	2.4	2.2	2.2	2.2	2.3	2.1	(1.62)	81	117
ICT sector	8.7	8.6	9.7	9.7	8.7	8.6	8.5	8.1	7.5	(1.48)	86	104
Manufacturing	17.7	20.0	25.1	27.4	23.6	25.8	28.5	24.3	22.2	(1.02)	125	115
Telecommunications	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



Value added of the ICT sector in bn euros



ICT share of total BERD in %



Wholesale trade Computer Services Telecommunications Manufacturing

Note: All monetary variables are expressed in euros at current prices and exchange rates.

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 (bn. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share UK/EU 2014 ¹	UK2014vs UK2006 ³	EU2014vs EU2006 ³
Total economy	2135	2237	1964	1705	1833	1876	2066	2048	2261	16.2%	106	114
ICT sector	97	103	92	79	84	89	99	100	105	17.8%	108	110
Manufacturing	5	5	5	4	5	4	5	5	5	8.7%	89	72
Telecommunications	33	36	33	30	29	29	32	33	36	19.5%	108	92
Computer Services	52	55	49	41	44	49	53	53	59	19.2%	115	139
Wholesale Trade	7	8	6	5	6	6	9	10	5	11.6%	74	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 UK/EU 2014 ¹	UK2014vs UK2006 ³	EU2014vs 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. euros / person employed)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio UK/EU 2014 ²	UK2014vs UK2006 ³	EU2014vs EU2006 ³
Total economy	73	76	66	58	63	64	70	68	74	(1.19)	100	113
ICT sector	98	103	93	81	88	88	99	96	96	(1.01)	97	104
Manufacturing	60	58	57	64	80	70	79	78	81	(1.03)	136	101
Telecommunications	152	163	153	138	136	137	152	156	168	(1.03)	111	99
Computer Services	87	89	80	66	73	75	82	77	79	(0.99)	91	112
Wholesale Trade	81	95	71	60	80	83	115	118	72	(0.87)	89	116

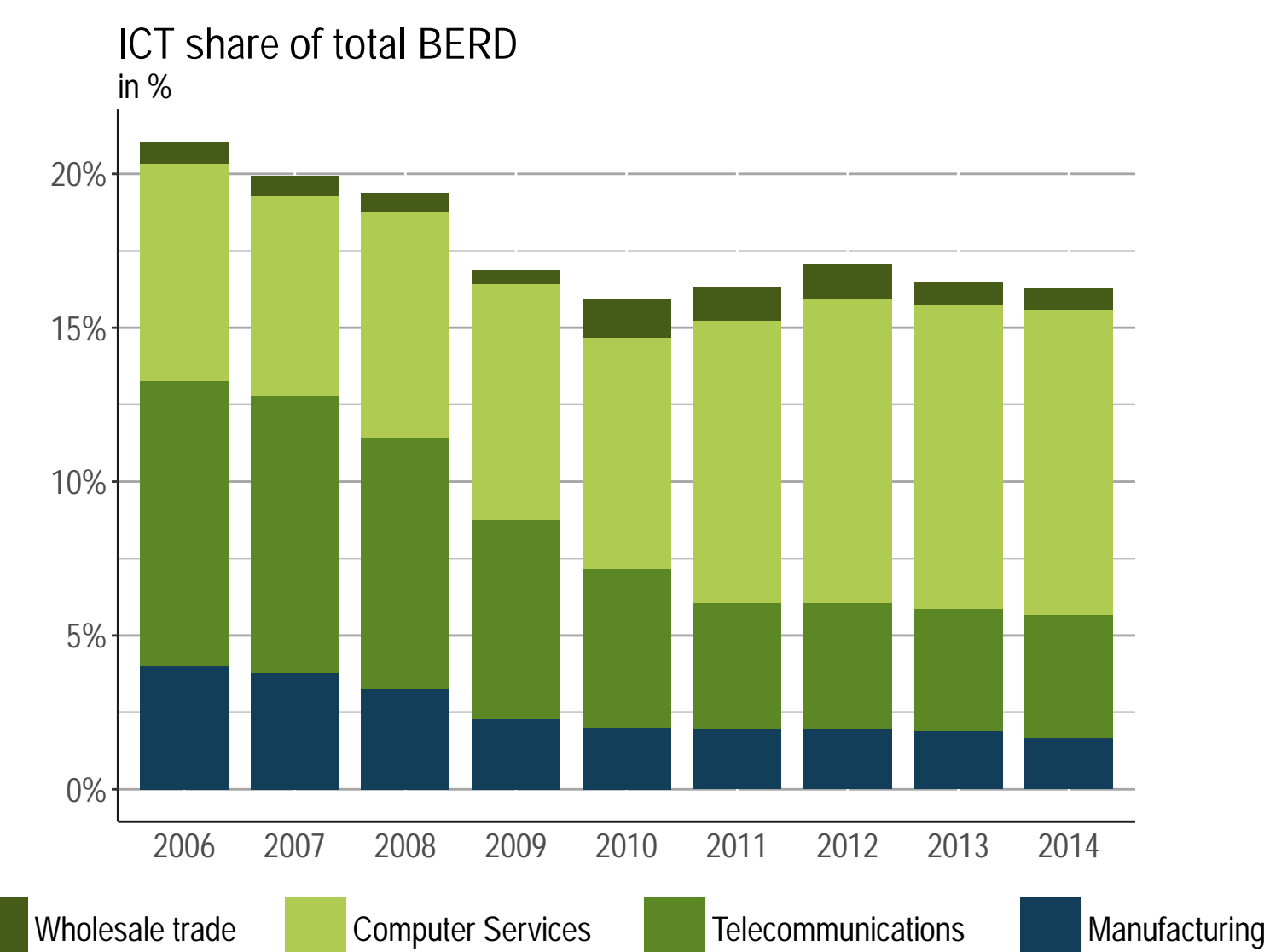
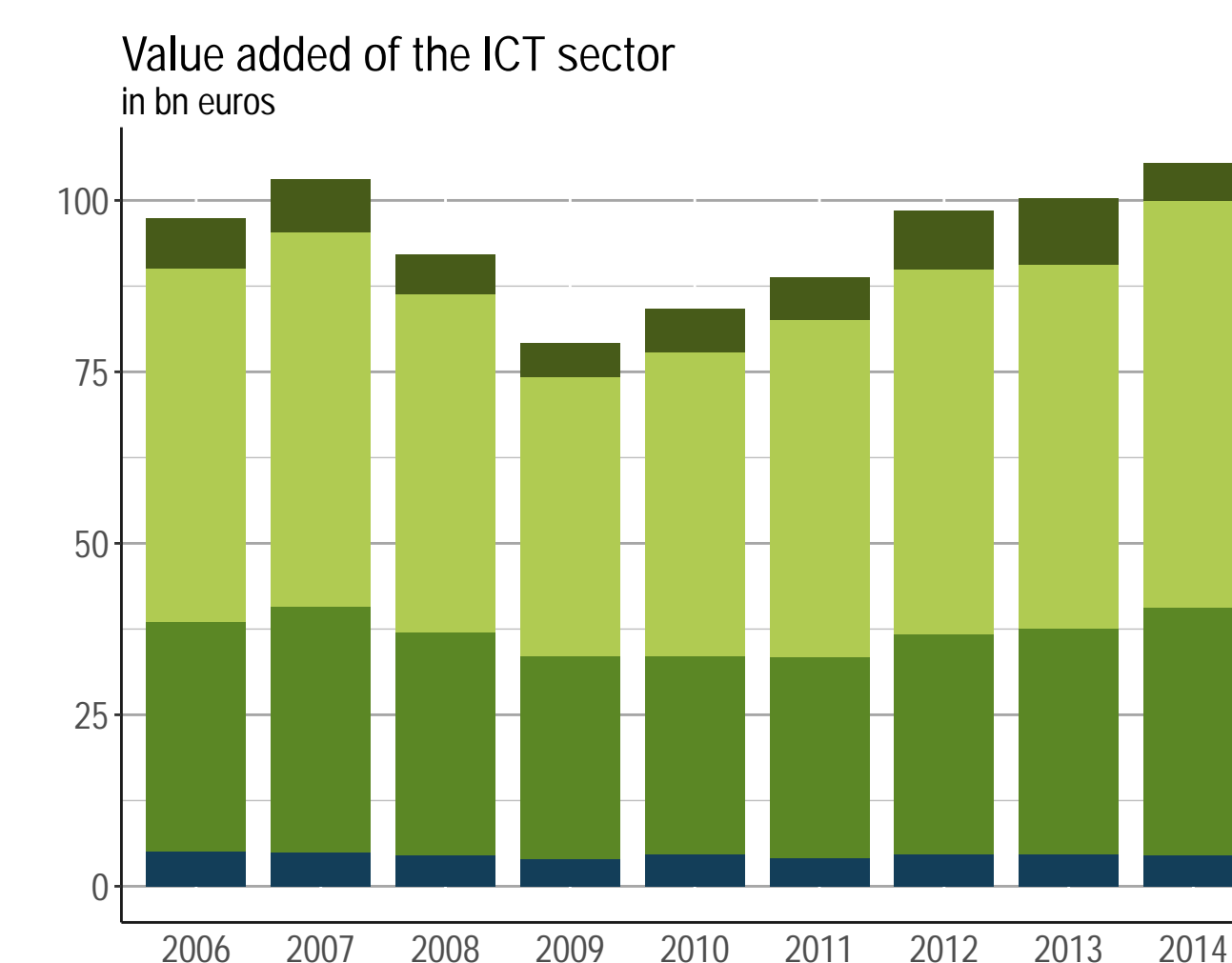
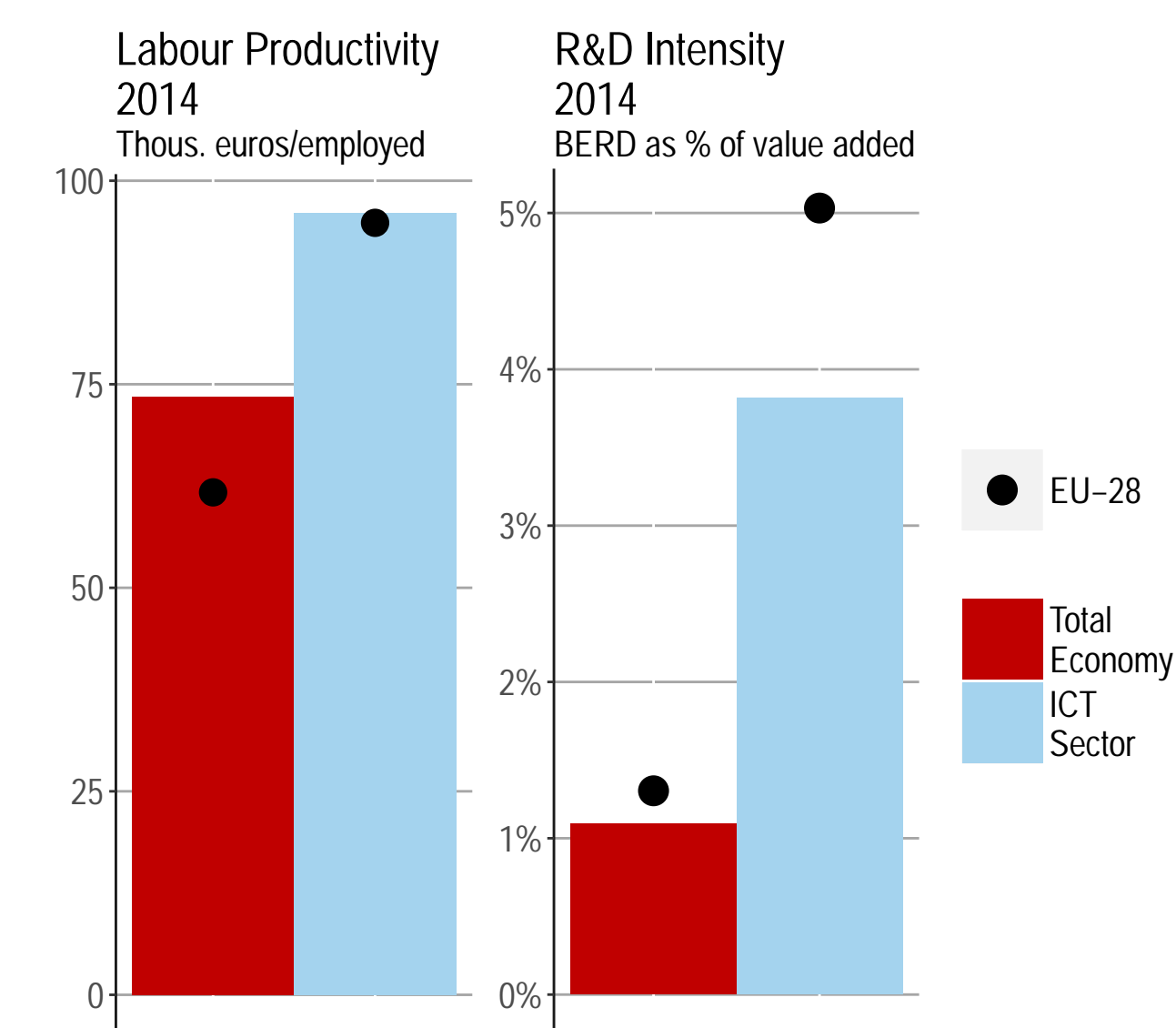
R&D performance

Business expenditure in R&D (BERD – mln. of euros)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Share UK/EU 2014 ¹	UK2014vs UK2006 ³	EU2014vs EU2006 ³
Total economy	20985	22842	19962	17537	18731	20058	21096	21721	24730	13.6%	118	133
ICT sector	4417	4554	3869	2958	2985	3274	3595	3583	4023	13.5%	91	114
Manufacturing	841	862	648	400	377	389	413	413	417	3.7%	50	83
Telecommunications	1943	2063	1629	1137	962	828	865	862	987	29.6%	51	86
Computer Services	1486	1479	1465	1343	1412	1837	2087	2147	2452	17.1%	165	180
Wholesale Trade	148	150	127	78	234	221	230	160	167	21.4%	113	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%			

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

	2006	2007	2008	2009	2010	2011	2012	2013	2014	Ratio UK/EU 2014 ²	UK2014vs UK2006 ³	EU2014vs 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 euros at current prices and exchange rates.

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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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