



The Czech Republic ranks 18<sup>th</sup> in DESI 2017. Compared to last year the country progressed in Digital Public Services and remained stable in Human Capital, but worsened its ranking in other dimensions. The country performs best in Integration of Digital Technologies by Businesses, mostly because many SMEs embraced eCommerce. The country's greatest challenge in digital is to improve the use of internet services, in particular for eGovernment and for entertainment and social purposes.

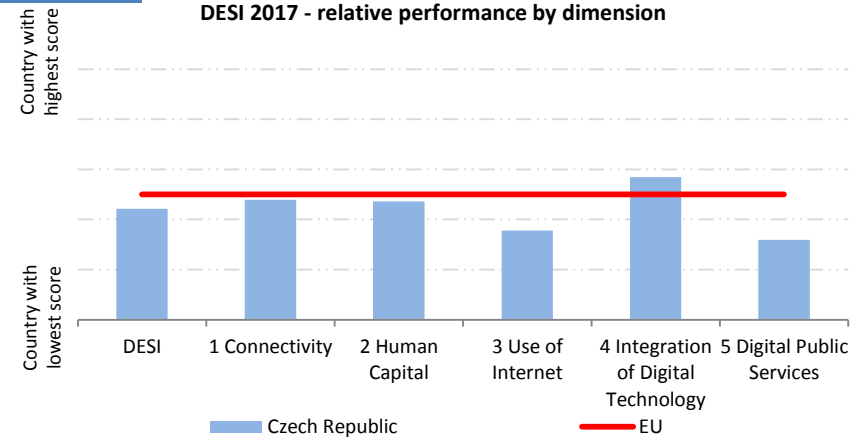
**The Digital Economy and Society Index is a composite index measuring progress in digital through five components:**

1 Connectivity	Fixed Broadband, Mobile Broadband, Broadband speed and prices
2 Human Capital	Basic Skills and Internet Use, Advanced skills and Development
3 Use of Internet	Citizens' use of Content, Communication and Online Transactions
4 Integration of Digital Technology	Business digitisation and eCommerce
5 Digital Public Services	eGovernment

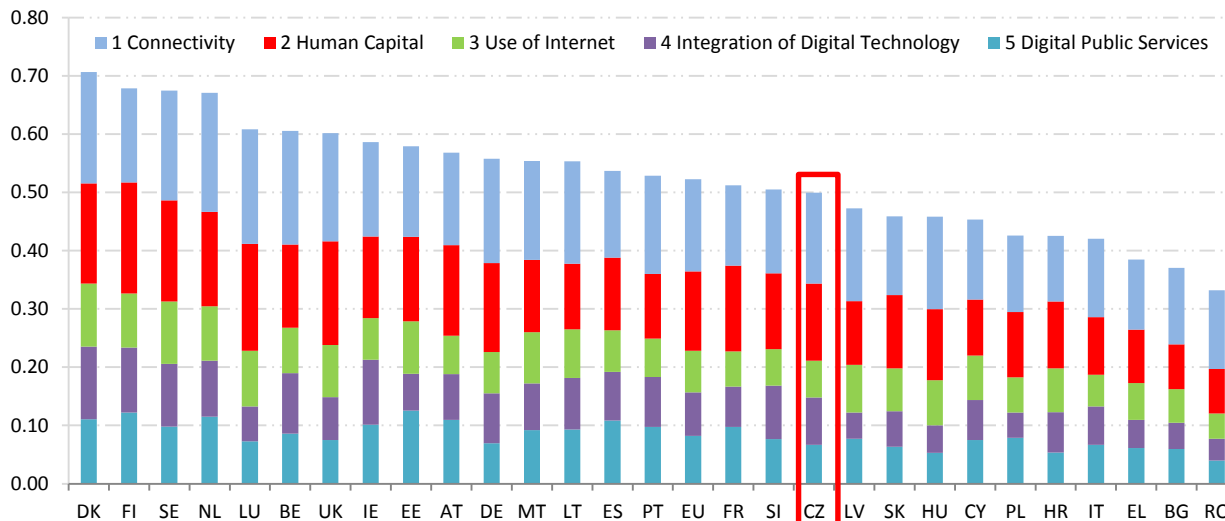
**Clustering:** Czech Republic belongs to the cluster of medium performing countries.

	Czech Republic rank	Czech Republic score	Cluster score	EU score
DESI 2017	18	0.50	0.54	0.52
DESI 2016 <sup>1</sup>	17	0.46	0.51	0.49

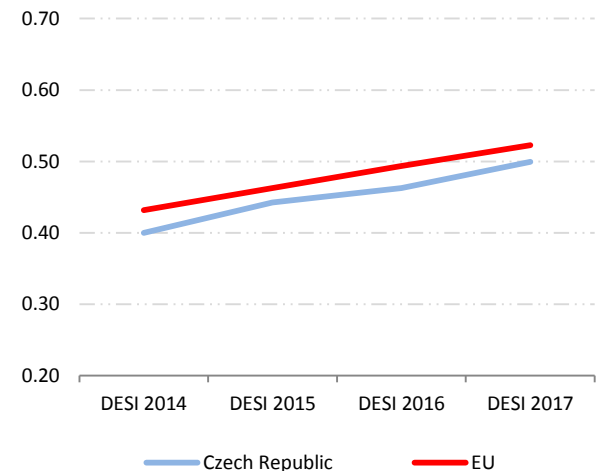
DESI 2017 - relative performance by dimension



Digital Economy and Society Index (DESI) 2017 ranking



DESI - evolution over time

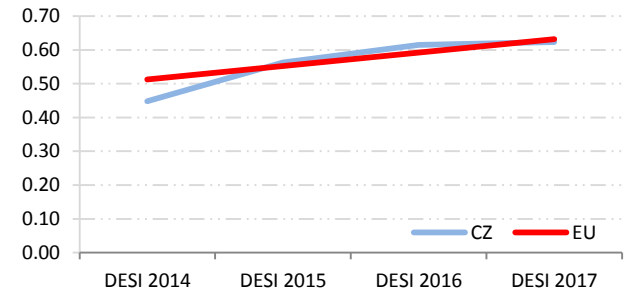


1) Connectivity: The 4G coverage of the Czech Republic is well developed and stimulates mobile broadband take-up. However, there is no progress in fixed broadband take-up and affordability has worsened.

	Czech Republic				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
<b>1a1 Fixed Broadband Coverage</b> % households	99% ↑	9	98%	14	98%	
	2016		2015		2016	
<b>1a2 Fixed Broadband Take-up</b> % households	71% ↓	16	76%	9	74%	
	2016		2015		2016	
<b>1b1 Mobile Broadband Take-up</b> Subscriptions per 100 people	77 ↑	18	70	14	84	
	June 2016		June 2015		June 2016	
<b>1b2 4G coverage<sup>2</sup></b> % households (average of operators)	94%	9	NA		84%	
	2016				2016	
<b>1b3 Spectrum<sup>3</sup></b> % of the target	61% ↑	22	55%	23	68%	
	2016		2015		2016	
<b>1c1 NGA Coverage</b> % households	75% ↑	20	73%	20	76%	
	2016		2015		2016	
<b>1c2 Subscriptions to Fast Broadband</b> % subscriptions >= 30Mbps	36% ↑	17	30%	17	37%	
	June 2016		June 2015		June 2016	
<b>1d1 Fixed Broadband Price<sup>4</sup></b> % income	1.5% ↓	19	1.1%	11	1.2%	
	price 2016, income 2015		price 2015, income 2015		price 2016, income 2015	

1 Connectivity	Czech Republic		Cluster	EU
	rank	score	score	score
DESI 2017	16	0.62	0.63	0.63
DESI 2016	13	0.61	0.60	0.59

1 Connectivity - evolution over time

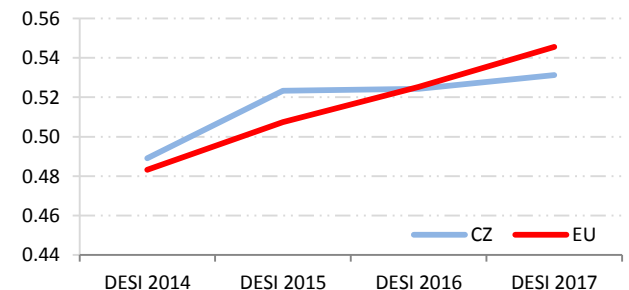


2) Human Capital: The Czech Republic is slightly below EU average. More people are online, but only 54% of the population have at least basic digital skills.

	Czech Republic				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
<b>2a1 Internet Users</b> % individuals	79% ↑	13	77%	13	79%	
	2016		2015		2016	
<b>2a2 At Least Basic Digital Skills</b> % individuals	54% ↓	14	57%	11	56%	
	2016		2015		2016	
<b>2b1 ICT Specialists<sup>5</sup></b> % individuals	3.7% ↑	10	3.4%	14	3.5%	
	2015		2014		2015	
<b>2b2 STEM Graduates</b> Per 1000 individuals (aged 20-29)	17 →	15	17	15	19	
	2014		2013		2014	

2 Human Capital	Czech Republic		Cluster	EU
	rank	score	score	score
DESI 2017	13	0.53	0.57	0.55
DESI 2016	13	0.52	0.55	0.53

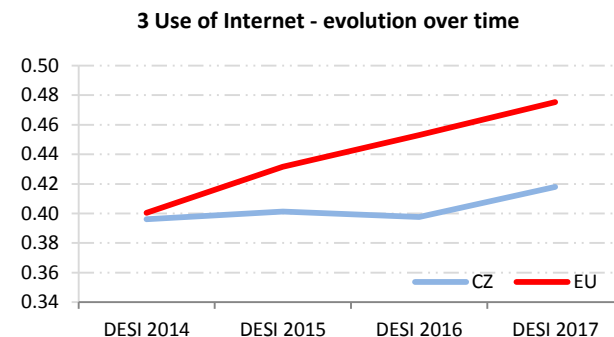
2 Human Capital - evolution over time



**3) Use of Internet: Czech internet users perform banking transactions and increasingly shop online; they use internet for content (music and video) and communication (social networks) less than the average European.**

	Czech Republic				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
<b>3a1 News</b>	82%	↓ 10	86%	6	70%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3a2 Music, Videos and Games<sup>6</sup></b>	72%	24	NA		78%
% individuals who used Internet in the last 3 months	2016				2016
<b>3a3 Video on Demand<sup>7</sup></b>	4%	28	NA		21%
% individuals who used Internet in the last 3 months	2016				2016
<b>3b1 Video Calls</b>	40%	→ 19	40%	18	39%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3b2 Social Networks</b>	55%	↑ 26	50%	27	63%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3c1 Banking</b>	63%	↑ 14	60%	15	59%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3c2 Shopping</b>	57%	↑ 15	55%	15	66%
% internet users (last year)	2016		2015		2016

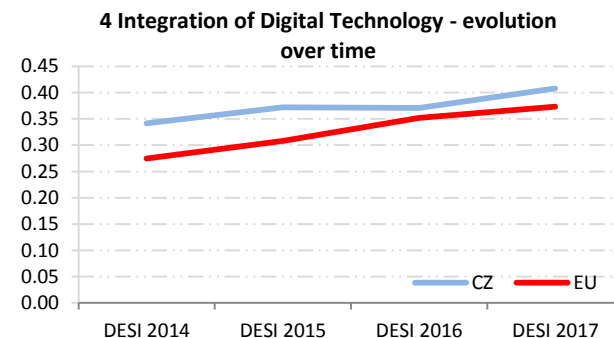
3 Use of Internet	Czech Republic		Cluster	EU
	rank	score	score	score
DESI 2017	22	0.42	0.45	0.48
DESI 2016	21	0.40	0.42	0.45



**4) Integration of Digital Technology: SMEs largely use internet as sales channel; a quarter of them sell online, half cross-border, and they are 2<sup>nd</sup> in the EU in terms of eCommerce turnover. However, the use of other digital technologies is more limited.**

	Czech Republic				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
<b>4a1 Electronic Information Sharing</b>	30%	18	30%	18	36%
% enterprises	2015		2015		2015
<b>4a2 RFID</b>	1.3%	28	1.3%	28	3.9%
% enterprises	2014		2014		2014
<b>4a3 Social Media</b>	12%	↑ 24	10%	23	20%
% enterprises	2016		2015		2016
<b>4a4 eInvoices</b>	13%	↑ 18	12%	15	18%
% enterprises	2016		2015		2016
<b>4a5 Cloud</b>	10%	20	NA		13%
% enterprises	2016		2015		2016
<b>4b1 SMEs Selling Online</b>	26%	↑ 4	23%	6	17%
% SMEs	2016		2015		2016
<b>4b2 eCommerce Turnover</b>	21.7%	↑ 2	16.8%	2	9.4%
% SME turnover	2016		2015		2016
<b>4b3 Selling Online Cross-border</b>	11.8%	3	11.8%	3	7.5%
% SMEs	2015		2015		2015

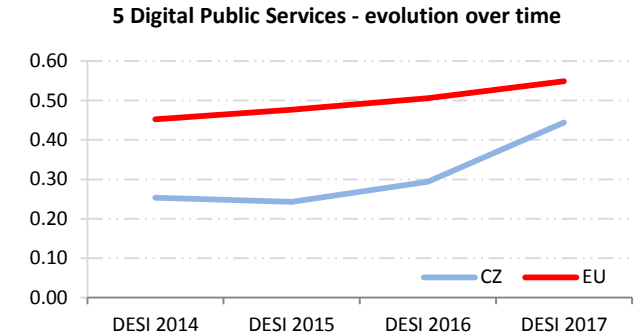
4 Integration of Digital Technology	Czech Republic		Cluster	EU
	rank	score	score	score
DESI 2017	12	0.41	0.40	0.37
DESI 2016	11	0.37	0.37	0.35



5) Digital Public Services: The country has progressed in both demand and supply of eGovernment services over the past year, although performance remains below EU average.

	Czech Republic				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
<b>5a1 eGovernment Users</b> % internet users (last year)	15%	↑ 26	12%	27	34%
	2016		2015		2016
<b>5a2 Pre-filled Forms</b> Score (0 to 100)	43	↑ 15	29	19	49
	2016		2015		2016
<b>5a3 Online Service Completion</b> Score (0 to 100)	77	↑ 20	70	22	82
	2016		2015		2016
<b>5a4 Open Data<sup>8</sup></b> % of maximum score	55%	↑ 17	23%	25	59%
	2016		2015		2016

5 Digital Public Services	Czech Republic		Cluster	EU
	rank	score	score	score
DESI 2017	22	0.44	0.59	0.55
DESI 2016	26	0.29	0.56	0.51



### Methodological note

<sup>1</sup> **DESI 2016** was re-calculated for all countries to reflect slight changes in the choice of indicators and corrections to the underlying indicator data. As a result, country scores and rankings may have changed from the previous publication.

<sup>2</sup> **4G coverage:** This is a new DESI indicator measuring the average coverage of telecom operators' 4G networks.

<sup>3</sup> **Spectrum:** There is a decrease in most of the Member States due to the additional EU harmonisation of the 700 MHz band in April 2016.

<sup>4</sup> **Fixed Broadband Price:** Due to a slight methodological change, historical data was re-calculated.

<sup>5</sup> **ICT Specialists:** Historical data have been revised by Eurostat.

<sup>6</sup> **Music, Videos and Games:** Break in series due to a change in the Eurostat survey.

<sup>7</sup> **Video on Demand:** Break in series due to a change of data source. New source is Eurostat.

<sup>8</sup> **Open Data:** Change of data source. The historical data have also been restated. The new source is the European Data Portal.