



Hungary ranks 21st in DESI 2017. Hungary performs well on Connectivity, thanks to the wide availability of fast fixed broadband (NGA) and 4G as well as to the increasing broadband take-up. Hungary improved in digital skills, but stands still slightly below the average. The key challenges remain the low use of ICTs by enterprises and the development of Digital Public Services.

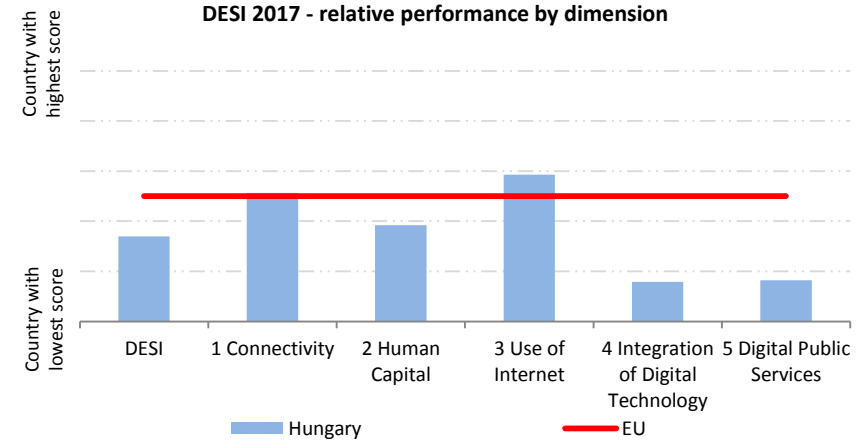
The Digital Economy and Society Index is a composite index measuring progress in digital through five components:

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

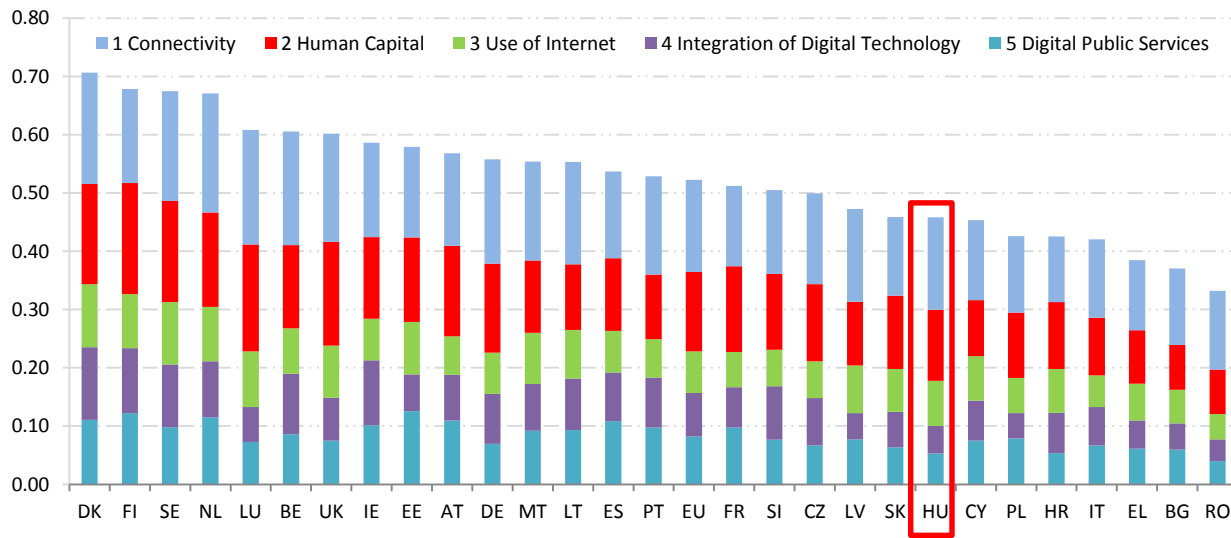
Clustering: Hungary belongs to the cluster of low performing countries.

	Hungary rank	Hungary score	Cluster score	EU score
DESI 2017	21	0.46	0.41	0.52
DESI 2016 ¹	20	0.43	0.38	0.49

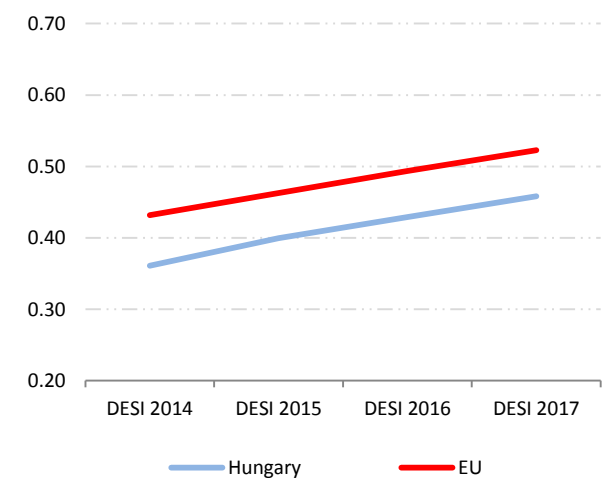
DESI 2017 - relative performance by dimension



Digital Economy and Society Index (DESI) 2017 ranking



DESI - evolution over time

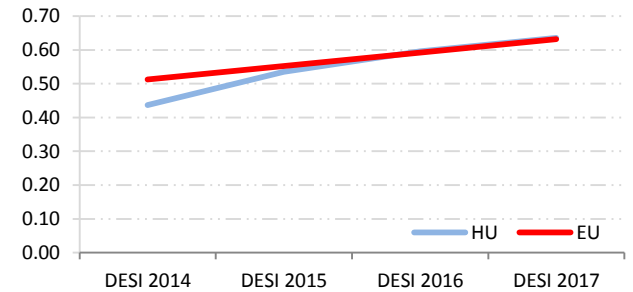


1) Connectivity: Hungary has made progress both in the supply and the demand side. NGA coverage and take-up are above EU average. 4G availability is also high, but mobile broadband penetration is not yet accelerating.

	Hungary				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
1a1 Fixed Broadband Coverage % households	95% →	22	95%	21	98%	
	2016		2015		2016	
1a2 Fixed Broadband Take-up % households	75% ↑	10	69%	16	74%	
	2016		2015		2016	
1b1 Mobile Broadband Take-up Subscriptions per 100 people	43 ↑	28	34	28	84	
	June 2016		June 2015		June 2016	
1b2 4G coverage² % households (average of operators)	92%	13	NA		84%	
	2016				2016	
1b3 Spectrum³ % of the target	65% ↓	18	68%	16	68%	
	2016		2015		2016	
1c1 NGA Coverage % households	81% ↑	16	78%	15	76%	
	2016		2015		2016	
1c2 Subscriptions to Fast Broadband % subscriptions >= 30Mbps	55% ↑	10	49%	11	37%	
	June 2016		June 2015		June 2016	
1d1 Fixed Broadband Price⁴ % income	1.1% →	8	1.1%	10	1.2%	
	price 2016, income 2015		price 2015, income 2015		price 2016, income 2015	

1 Connectivity	Hungary		Cluster	EU
	rank	score	score	score
DESI 2017	14	0.64	0.53	0.63
DESI 2016	16	0.60	0.46	0.59

1 Connectivity - evolution over time

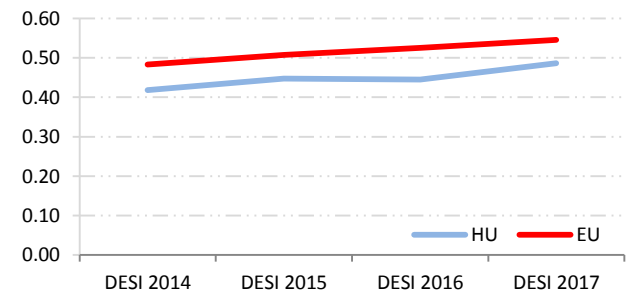


2) Human Capital: There has been a large increase in internet users, and digital skills levels remain below the European average.

	Hungary				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
2a1 Internet Users % individuals	78% ↑	15	72%	18	79%	
	2016		2015		2016	
2a2 At Least Basic Digital Skills % individuals	51% ↑	18	50%	19	56%	
	2016		2015		2016	
2b1 ICT Specialists⁵ % individuals	3.6% ↑	13	3.5%	12	3.5%	
	2015		2014		2015	
2b2 STEM Graduates Per 1000 individuals (aged 20-29)	11 ↑	26	10	26	19	
	2014		2013		2014	

2 Human Capital	Hungary		Cluster	EU
	rank	score	score	score
DESI 2017	18	0.49	0.40	0.55
DESI 2016	18	0.44	0.38	0.53

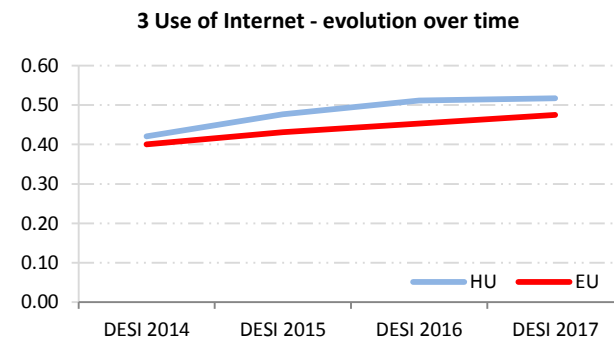
2 Human Capital - evolution over time



3) Use of Internet: Hungarian internet users are particularly active on social networks, reading news and making video calls. At the same time, they are less engaged in undertaking transactions such as online banking and shopping.

	Hungary				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
3a1 News	88%	↑ 5	86%	7	70%
% individuals who used Internet in the last 3 months	2016		2015		2016
3a2 Music, Videos and Games⁶	81%	12	NA		78%
% individuals who used Internet in the last 3 months	2016				2016
3a3 Video on Demand⁷	8%	24	NA		21%
% individuals who used Internet in the last 3 months	2016				2016
3b1 Video Calls	54%	↓ 7	55%	5	39%
% individuals who used Internet in the last 3 months	2016		2015		2016
3b2 Social Networks	83%	→ 1	83%	1	63%
% individuals who used Internet in the last 3 months	2016		2015		2016
3c1 Banking	44%	↓ 22	46%	20	59%
% individuals who used Internet in the last 3 months	2016		2015		2016
3c2 Shopping	48%	↑ 20	47%	20	66%
% internet users (last year)	2016		2015		2016

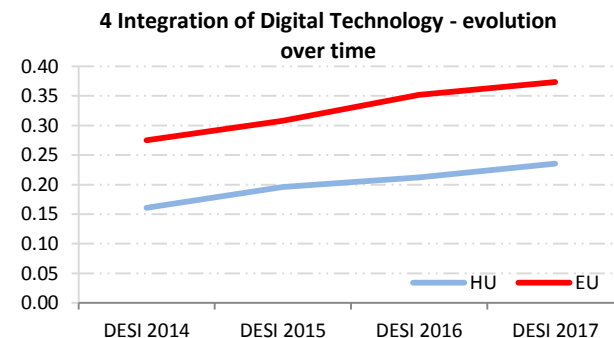
3 Use of Internet	Hungary		Cluster	EU
	rank	score	score	score
DESI 2017	12	0.52	0.39	0.48
DESI 2016	11	0.51	0.37	0.45



4) Integration of Digital Technology: More Hungarian businesses use social media, eInvoices, cloud and eCommerce. However, the business sector is not exploiting the opportunities offered by digital technology as much as other countries do, pushing Hungary back in the ranking.

	Hungary				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
4a1 Electronic Information Sharing	16%	27	16%	27	36%
% enterprises	2015		2015		2015
4a2 RFID	3.9%	16	3.9%	16	3.9%
% enterprises	2014		2014		2014
4a3 Social Media	13%	↑ 21	11%	22	20%
% enterprises	2016		2015		2016
4a4 eInvoices	8%	↑ 25	6%	26	18%
% enterprises	2016		2015		2016
4a5 Cloud	8%	↑ 23	6%	24	13%
% enterprises	2016		2015		2016
4b1 SMEs Selling Online	12%	↑ 20	10%	21	17%
% SMEs	2016		2015		2016
4b2 eCommerce Turnover	7.6%	↑ 18	7.0%	22	9.4%
% SME turnover	2016		2015		2016
4b3 Selling Online Cross-border	4.5%	23	4.5%	23	7.5%
% SMEs	2015		2015		2015

4 Integration of Digital Technology	Hungary		Cluster	EU
	rank	score	score	score
DESI 2017	24	0.24	0.27	0.37
DESI 2016	27	0.21	0.25	0.35

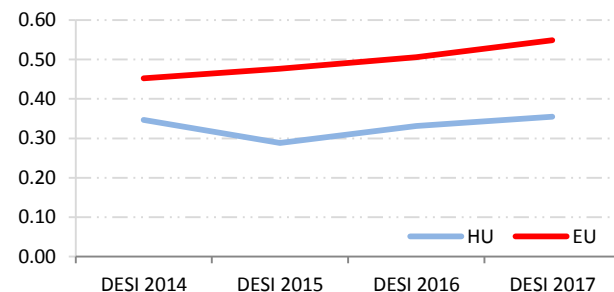


5) Digital Public Services: Despite minor improvements in the online provision of public services, Hungary ranks 27th, scoring below EU average in all aspects.

	Hungary				EU
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value
5a1 eGovernment Users % internet users (last year)	30% ↓	17	32%	17	34%
5a2 Pre-filled Forms Score (0 to 100)	23 ↑	23	19	25	49
5a3 Online Service Completion Score (0 to 100)	63 ↑	25	55	26	82
5a4 Open Data⁸ % of maximum score	43% ↓	23	50%	11	59%

5 Digital Public Services	Hungary		Cluster	EU
	rank	score	score	score
DESI 2017	27	0.35	0.43	0.55
DESI 2016	24	0.33	0.42	0.51

5 Digital Public Services - evolution over time



Methodological note

- ¹ **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.
- ² **4G coverage**: This is a new DESI indicator measuring the average coverage of telecom operators' 4G networks.
- ³ **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.
- ⁴ **Fixed Broadband Price**: Due to a slight methodological change, historical data was re-calculated.
- ⁵ **ICT Specialists**: Historical data have been revised by Eurostat.
- ⁶ **Music, Videos and Games**: Break in series due to a change in the Eurostat survey.
- ⁷ **Video on Demand**: Break in series due to a change of data source. New source is Eurostat.
- ⁸ **Open Data**: Change of data source. The historical data have also been restated. The new source is the European Data Portal.