



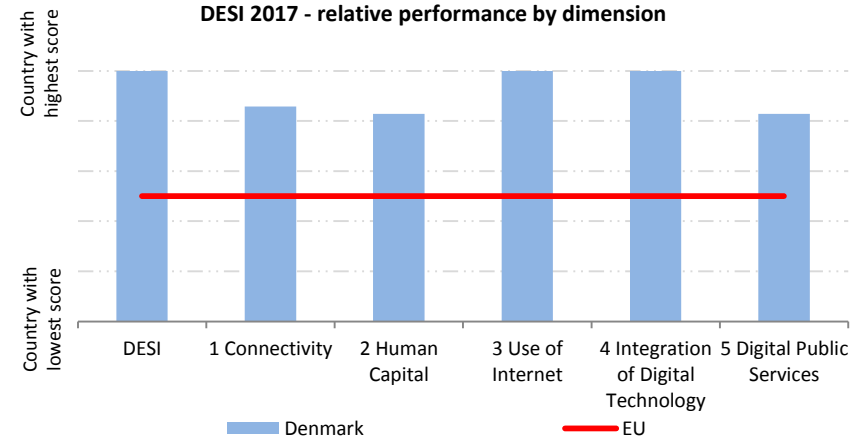
Denmark ranks 1st in DESI 2017. Compared to last year, Denmark made progress in all dimensions, except for Digital Public Services. In particular, Denmark made outstanding progress in the use of digital technologies by enterprises and by citizens, leading the EU and the world rankings.

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

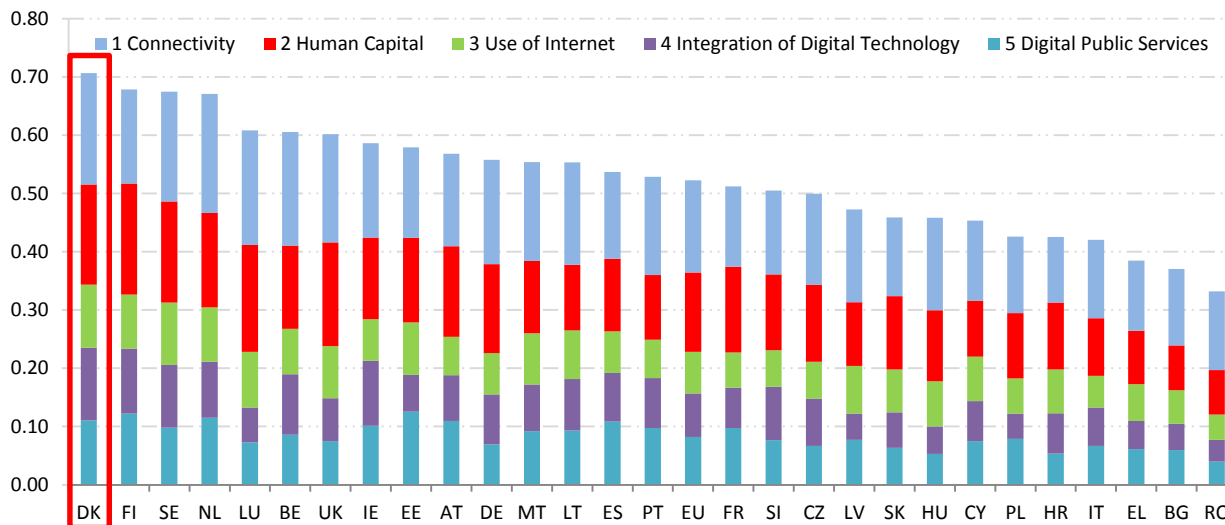
1 Connectivity	Fixed Broadband, Mobile Broadband, Broadband speed and prices
2 Human Capital	Basic Skills and Internet Use, Advanced skills and Development
3 Use of Internet	Citizens' use of Content, Communication and Online Transactions
4 Integration of Digital Technology	Business digitisation and eCommerce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

Clustering: Denmark belongs to the cluster of high performing countries.

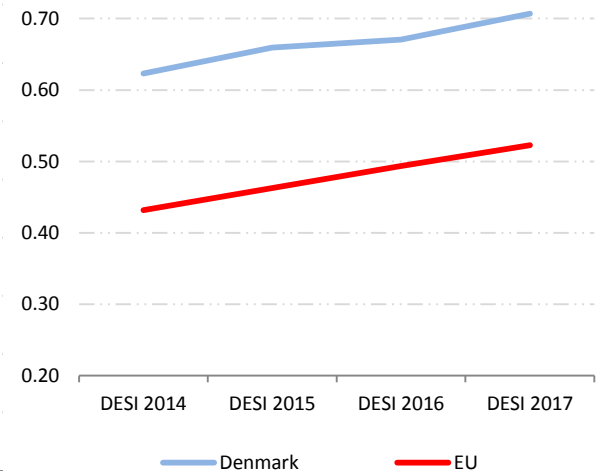
	Denmark rank	Denmark score	Cluster score	EU score
DESI 2017	1	0.71	0.63	0.52
DESI 2016 ¹	1	0.67	0.60	0.49



Digital Economy and Society Index (DESI) 2017 ranking



DESI - evolution over time

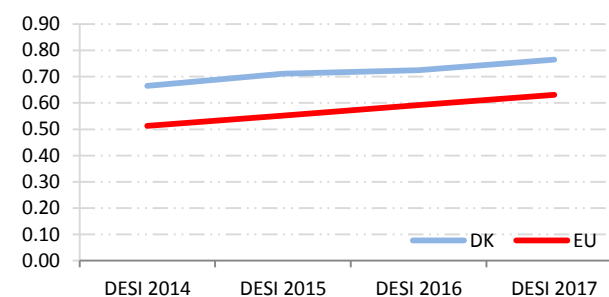


1) Connectivity: Denmark has improved its score thanks to the large increase in mobile broadband take up. Fast broadband (NGA) coverage and take-up of fast connections have also increased well above average European levels. Denmark features the widest 4G coverage.

	Denmark				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
1a1 Fixed Broadband Coverage % households	99%	→ 11	99%	12	98%	
	2016		2015		2016	
1a2 Fixed Broadband Take-up % households	83%	↑ 5	77%	8	74%	
	2016		2015		2016	
1b1 Mobile Broadband Take-up Subscriptions per 100 people	123	↑ 2	112	3	84	
	June 2016		June 2015		June 2016	
1b2 4G coverage² % households (average of operators)	100%	1	NA		84%	
	2016				2016	
1b3 Spectrum³ % of the target	64%	↓ 19	68%	17	68%	
	2016		2015		2016	
1c1 NGA Coverage % households	93%	↑ 7	92%	6	76%	
	2016		2015		2016	
1c2 Subscriptions to Fast Broadband % subscriptions >= 30Mbps	49%	↑ 13	42%	12	37%	
	June 2016		June 2015		June 2016	
1d1 Fixed Broadband Price⁴ % income	1.0%	↓ 5	0.9%	6	1.2%	
	price 2016, income 2015		price 2015, income 2015		price 2016, income 2015	

1 Connectivity	Denmark		Cluster	EU
	rank	score	score	score
DESI 2017	4	0.76	0.75	0.63
DESI 2016	4	0.72	0.73	0.59

1 Connectivity - evolution over time

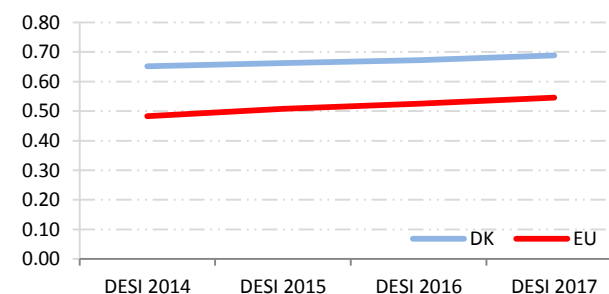


2) Human Capital: 94% of Danish citizens are online. Their digital skills are very advanced and the only stagnated figure is the share of ICT specialists.

	Denmark				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
2a1 Internet Users % individuals	94%	↑ 2	93%	2	79%	
	2016		2015		2016	
2a2 At Least Basic Digital Skills % individuals	78%	↑ 2	75%	2	56%	
	2016		2015		2016	
2b1 ICT Specialists⁵ % individuals	3.9%	→ 9	3.9%	8	3.5%	
	2015		2014		2015	
2b2 STEM Graduates Per 1000 individuals (aged 20-29)	21	↑ 6	20	8	19	
	2014		2013		2014	

2 Human Capital	Denmark		Cluster	EU
	rank	score	score	score
DESI 2017	5	0.69	0.68	0.55
DESI 2016	5	0.67	0.66	0.53

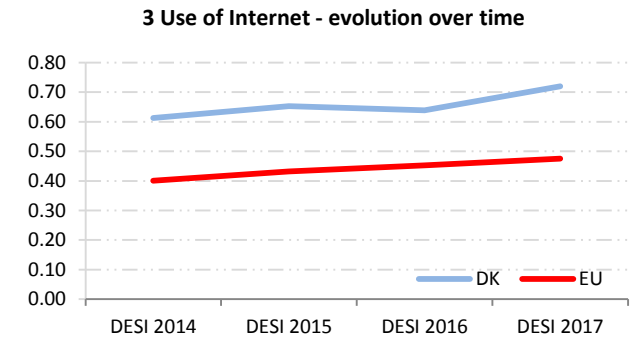
2 Human Capital - evolution over time



3) Use of Internet: Danish citizens actively engage in the use of a variety of online services and are the most intensive European users of Video on Demand.

	Denmark				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
3a1 News	72%	↑ 20	69%	19	70%
% individuals who used Internet in the last 3 months	2016		2015		2016
3a2 Music, Videos and Games⁶	90%	3	NA		78%
% individuals who used Internet in the last 3 months	2016				2016
3a3 Video on Demand⁷	49%	1	NA		21%
% individuals who used Internet in the last 3 months	2016				2016
3b1 Video Calls	60%	↑ 4	46%	9	39%
% individuals who used Internet in the last 3 months	2016		2015		2016
3b2 Social Networks	77%	↑ 5	67%	13	63%
% individuals who used Internet in the last 3 months	2016		2015		2016
3c1 Banking	91%	↑ 3	88%	4	59%
% individuals who used Internet in the last 3 months	2016		2015		2016
3c2 Shopping	84%	↑ 2	82%	3	66%
% internet users (last year)	2016		2015		2016

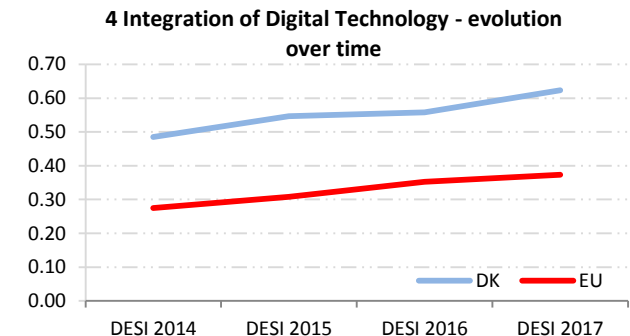
3 Use of Internet	Denmark		Cluster	EU
	rank	score	score	score
DESI 2017	1	0.72	0.60	0.48
DESI 2016	2	0.64	0.57	0.45



4) Integration of Digital Technology: Denmark ranks first in the use of digital technologies by businesses. More and more businesses have taken up cloud computing, eInvoicing and social media. Electronic sales by SMEs are high.

	Denmark				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
4a1 Electronic Information Sharing	47%	3	47%	3	36%
% enterprises	2015		2015		2015
4a2 RFID	3.2%	17	3.2%	17	3.9%
% enterprises	2014		2014		2014
4a3 Social Media	27%	↑ 6	20%	9	20%
% enterprises	2016		2015		2016
4a4 eInvoices	64%	↑ 2	59%	2	18%
% enterprises	2016		2015		2016
4a5 Cloud	30%	↑ 3	27%	3	13%
% enterprises	2016		2015		2016
4b1 SMEs Selling Online	27%	↑ 2	25%	3	17%
% SMEs	2016		2015		2016
4b2 eCommerce Turnover	18.0%	↑ 4	15.1%	3	9.4%
% SME turnover	2016		2015		2016
4b3 Selling Online Cross-border	9.8%	8	9.8%	8	7.5%
% SMEs	2015		2015		2015

4 Integration of Digital Technology	Denmark		Cluster	EU
	rank	score	score	score
DESI 2017	1	0.62	0.44	0.37
DESI 2016	1	0.56	0.41	0.35

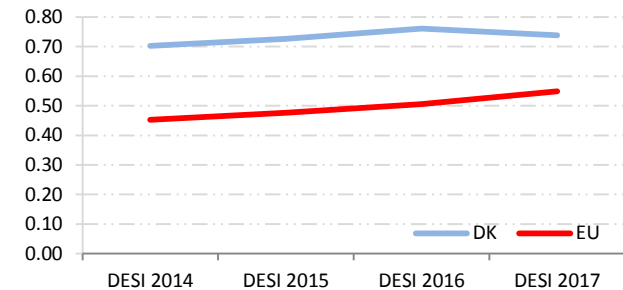


5) Digital Public Services: Denmark is strong in the delivery of online public services. The low score in Open Data is due to a transition phase towards a new eGovernment portal.

	Denmark				EU
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value
5a1 eGovernment Users % internet users (last year)	73% ↑	2	71%	2	34%
5a2 Pre-filled Forms Score (0 to 100)	71 ↓	7	77	5	49
5a3 Online Service Completion Score (0 to 100)	95 ↑	5	94	5	82
5a4 Open Data⁸ % of maximum score	41% ↓	24	49%	12	59%

5 Digital Public Services	Denmark		Cluster	EU
	rank	score	score	score
DESI 2017	4	0.74	0.59	0.55
DESI 2016	3	0.76	0.57	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.