



Spain ranks 14th in DESI 2017. Spain's performance in the use of digital technologies by enterprises and in the delivery of online public services is above EU average. In Connectivity, progress is particularly strong in terms of subscriptions to fast broadband and NGA coverage is also high. Compared to last year, Spain made progress on all dimensions, except for Human Capital.

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

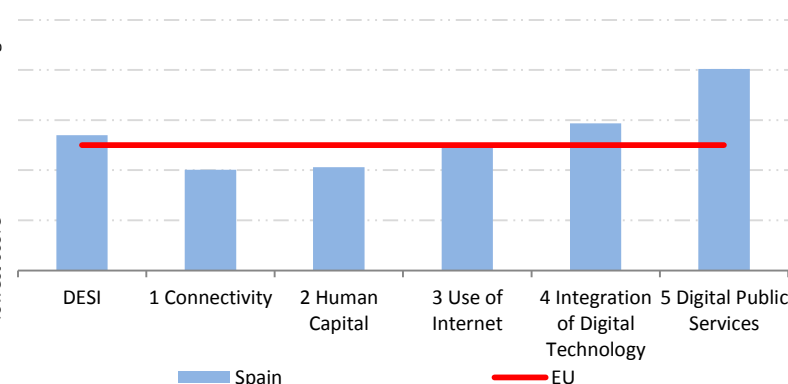
Clustering: Spain belongs to the cluster of medium performing countries.

	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	14	0.54	0.54	0.52
DESI 2016 ¹	15	0.51	0.51	0.49

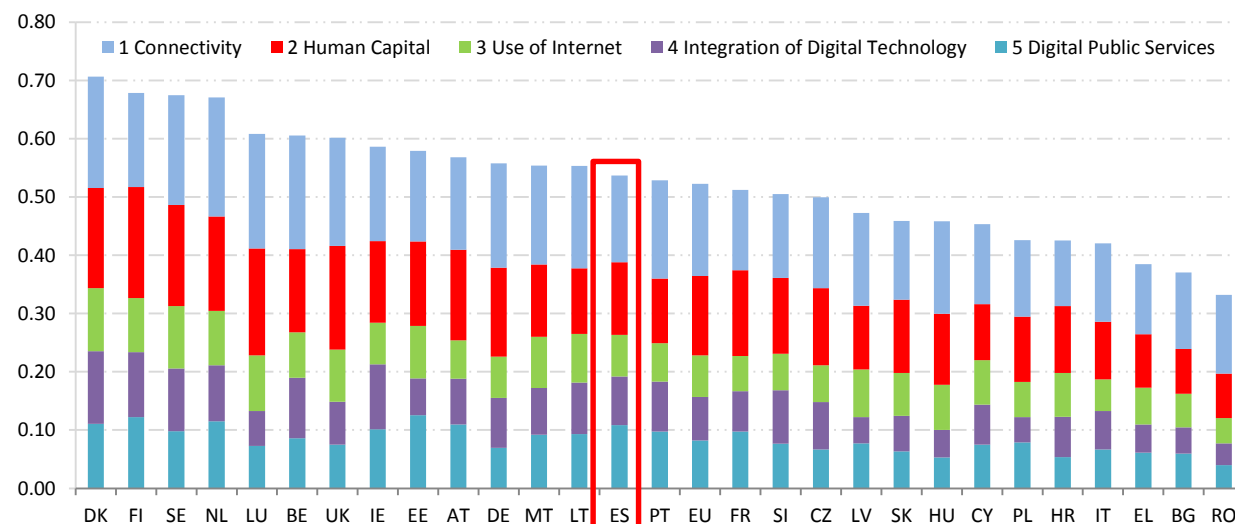
Country with highest score

Country with lowest score

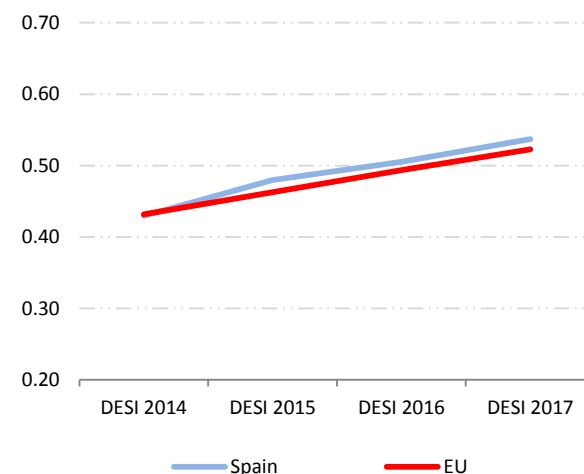
DESI 2017 - relative performance by dimension



Digital Economy and Society Index (DESI) 2017 ranking



DESI - evolution over time

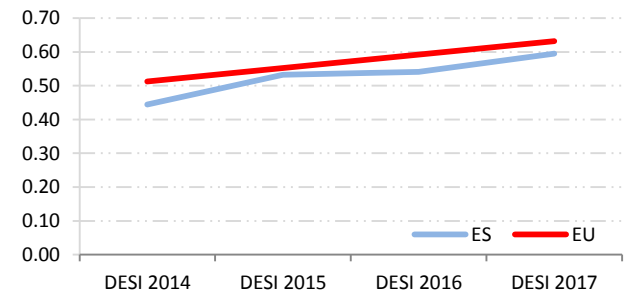


1) Connectivity: Spain has made significant progress mainly thanks to the large increase in the take-up of fast fixed broadband connections. Fast broadband (NGA) coverage is well above EU average and so is the 4G network.

	Spain				EU	
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value	
1a1 Fixed Broadband Coverage % households	95% → 21		95% 23		98% 2016	
1a2 Fixed Broadband Take-up % households	71% ↑ 15		69% 15		74% 2016	
1b1 Mobile Broadband Take-up Subscriptions per 100 people	86 ↑ 10		80 8		84 June 2016	
1b2 4G coverage² % households (average of operators)	86% 20		NA		84% 2016	
1b3 Spectrum³ % of the target	69% ↓ 13		73% 13		68% 2016	
1c1 NGA Coverage % households	81% ↑ 15		77% 17		76% 2016	
1c2 Subscriptions to Fast Broadband % subscriptions >= 30Mbps	49% ↑ 14		29% 19		37% June 2016	
1d1 Fixed Broadband Price⁴ % income	2.7% ↓ 27		2.4% 26		1.2% price 2016, income 2015	

1 Connectivity	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	18	0.59	0.63	0.63
DESI 2016	19	0.54	0.60	0.59

1 Connectivity - evolution over time

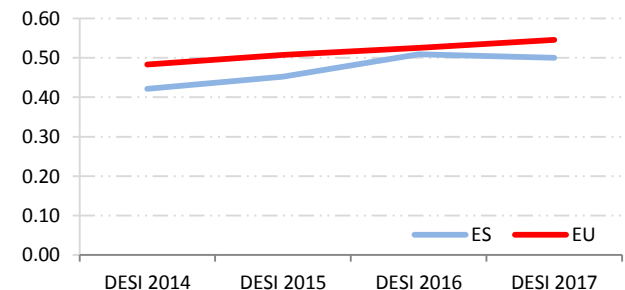


2) Human Capital: An increasing number of Spaniards are online but digital skills levels remain below EU average.

	Spain				EU	
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value	
2a1 Internet Users % individuals	76% ↑ 17		75% 15		79% 2016	
2a2 At Least Basic Digital Skills % individuals	53% ↓ 15		54% 13		56% 2016	
2b1 ICT Specialists⁵ % individuals	2.4% ↓ 21		3.1% 17		3.5% 2015	
2b2 STEM Graduates Per 1000 individuals (aged 20-29)	21 ↑ 6		19 10		19 2014	

2 Human Capital	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	16	0.50	0.57	0.55
DESI 2016	14	0.51	0.55	0.53

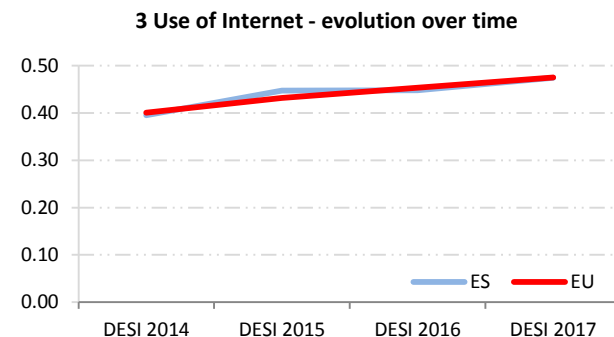
2 Human Capital - evolution over time



3) Use of Internet: Spanish Internet users engage in a variety of online activities, but when transactions are involved, as in eBanking and eCommerce, they do so less than other European citizens.

	Spain				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
3a1 News	78%	↓ 15	79%	13	70%
% individuals who used Internet in the last 3 months	2016		2015		2016
3a2 Music, Videos and Games⁶	83%	11	NA		78%
% individuals who used Internet in the last 3 months	2016				2016
3a3 Video on Demand⁷	27%	7	NA		21%
% individuals who used Internet in the last 3 months	2016				2016
3b1 Video Calls	31%	↑ 28	29%	28	39%
% individuals who used Internet in the last 3 months	2016		2015		2016
3b2 Social Networks	67%	↑ 18	65%	17	63%
% individuals who used Internet in the last 3 months	2016		2015		2016
3c1 Banking	54%	↑ 18	50%	17	59%
% individuals who used Internet in the last 3 months	2016		2015		2016
3c2 Shopping	54%	↑ 18	53%	16	66%
% internet users (last year)	2016		2015		2016

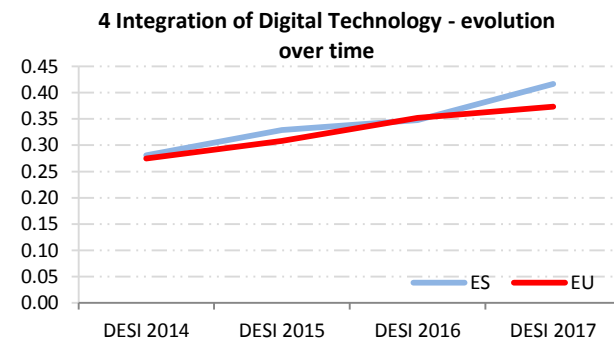
3 Use of Internet	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	17	0.47	0.45	0.48
DESI 2016	16	0.45	0.42	0.45



4) Integration of Digital Technology: Spanish companies are making progress in integrating digital technologies in their business processes and a fifth of SMEs are actively selling online.

	Spain				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
4a1 Electronic Information Sharing	35%	15	35%	15	36%
% enterprises	2015		2015		2015
4a2 RFID	6.5%	3	6.5%	3	3.9%
% enterprises	2014		2014		2014
4a3 Social Media	24%	↑ 8	21%	7	20%
% enterprises	2016		2015		2016
4a4 eInvoices	25%	↑ 6	10%	19	18%
% enterprises	2016		2015		2016
4a5 Cloud	13%	↑ 12	10%	15	13%
% enterprises	2016		2015		2016
4b1 SMEs Selling Online	19%	↑ 9	16%	12	17%
% SMEs	2016		2015		2016
4b2 eCommerce Turnover	9.4%	↑ 13	7.3%	20	9.4%
% SME turnover	2016		2015		2016
4b3 Selling Online Cross-border	5.9%	20	5.9%	20	7.5%
% SMEs	2015		2015		2015

4 Integration of Digital Technology	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	11	0.42	0.40	0.37
DESI 2016	15	0.35	0.37	0.35

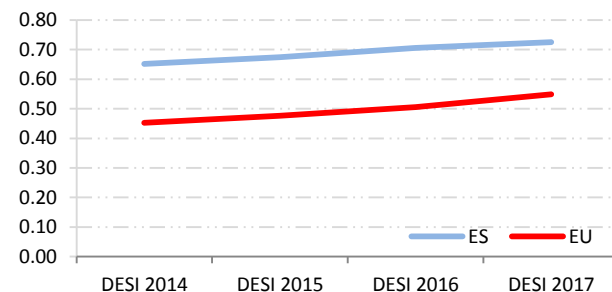


5) Digital Public Services: Spain performs solidly above EU average in the delivery of online public services and leads the rankings in Open Data.

	Spain			EU	
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value
5a1 eGovernment Users % internet users (last year)	40% 2016	↑ 11	38% 2015	11	34% 2016
5a2 Pre-filled Forms Score (0 to 100)	67 2016	↓ 10	68 2015	9	49 2016
5a3 Online Service Completion Score (0 to 100)	89 2016	↓ 11	91 2015	7	82 2016
5a4 Open Data⁸ % of maximum score	91% 2016	↑ 1	82% 2015	1	59% 2016

5 Digital Public Services	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	6	0.72	0.59	0.55
DESI 2016	5	0.71	0.56	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.