



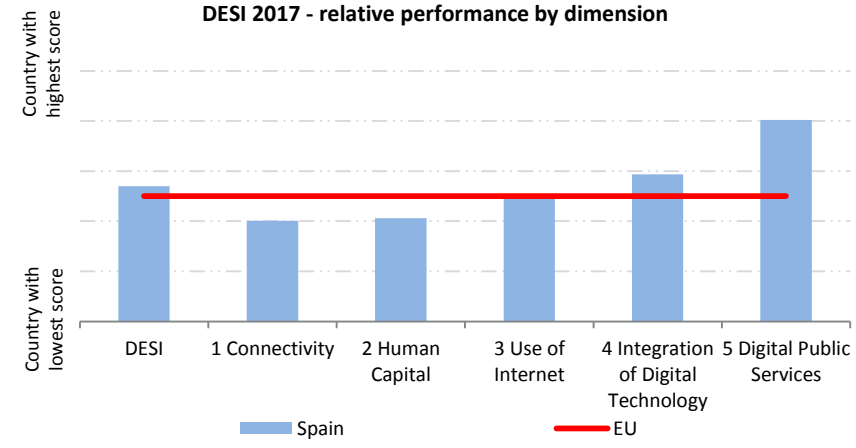
Spain ranks 14<sup>th</sup> in DESI 2017. Spain's performance in the use of digital technologies by enterprises and in the delivery of online public services is above EU average. In Connectivity, progress is particularly strong in terms of subscriptions to fast broadband and NGA coverage is also high. 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:**

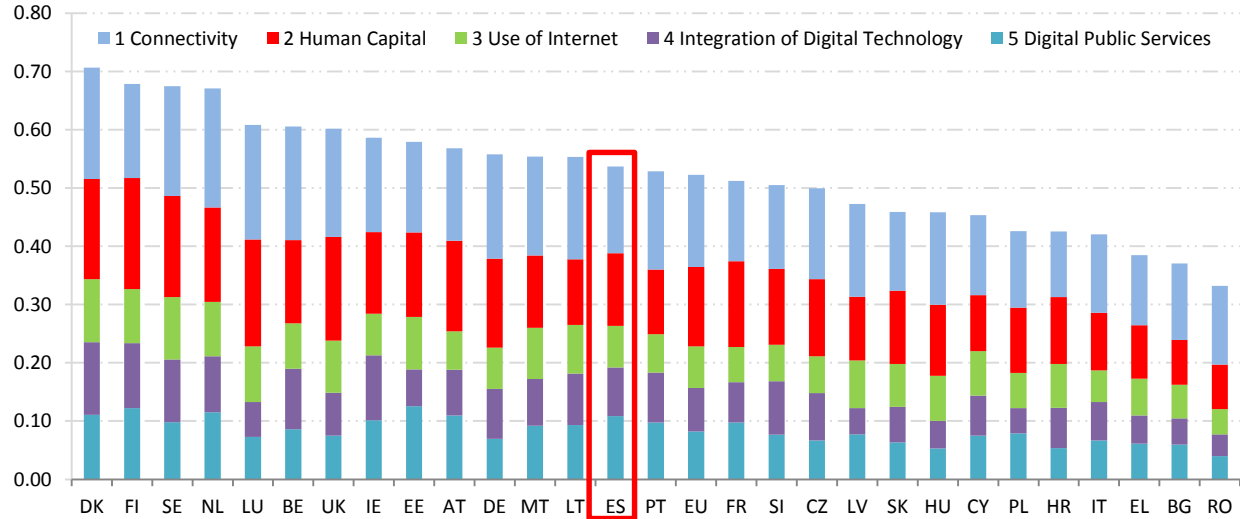
1 Connectivity	Fixed Broadband, Mobile Broadband, Broadband speed and prices
2 Human Capital	Basic Skills and Internet Use, Advanced skills and Development
3 Use of Internet	Citizens' use of Content, Communication and Online Transactions
4 Integration of Digital Technology	Business digitisation and eCommerce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

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

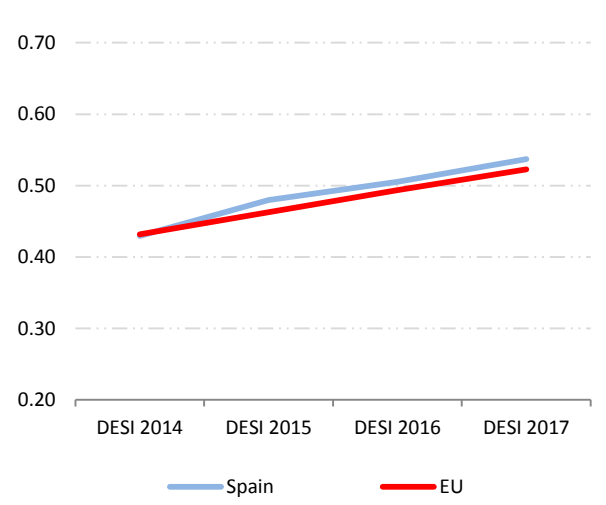
	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	14	0.54	0.54	0.52
DESI 2016 <sup>1</sup>	15	0.51	0.51	0.49



**Digital Economy and Society Index (DESI) 2017 ranking**



**DESI - evolution over time**

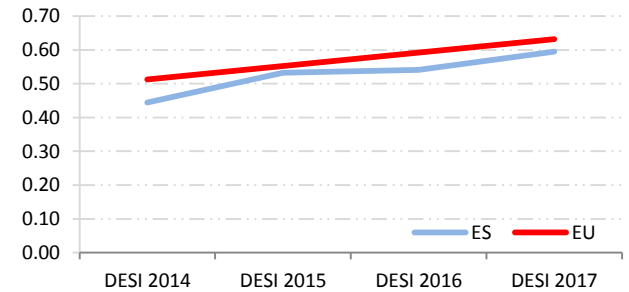


1) Connectivity: Spain has made significant progress mainly thanks to the large increase in the take-up of fast fixed broadband connections. Fast broadband (NGA) coverage is well above EU average and so is the 4G network.

	Spain				EU
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value
<b>1a1 Fixed Broadband Coverage</b> % households	95% →	21	95%	23	98%
	2016		2015		2016
<b>1a2 Fixed Broadband Take-up</b> % households	71% ↑	15	69%	15	74%
	2016		2015		2016
<b>1b1 Mobile Broadband Take-up</b> Subscriptions per 100 people	86 ↑	10	80	8	84
	June 2016		June 2015		June 2016
<b>1b2 4G coverage<sup>2</sup></b> % households (average of operators)	86%	20	NA		84%
	2016				2016
<b>1b3 Spectrum<sup>3</sup></b> % of the target	69% ↓	13	73%	13	68%
	2016		2015		2016
<b>1c1 NGA Coverage</b> % households	81% ↑	15	77%	17	76%
	2016		2015		2016
<b>1c2 Subscriptions to Fast Broadband</b> % subscriptions >= 30Mbps	49% ↑	14	29%	19	37%
	June 2016		June 2015		June 2016
<b>1d1 Fixed Broadband Price<sup>4</sup></b> % income	2.7% ↓	27	2.4%	26	1.2%
	price 2016, income 2015		price 2015, income 2015		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

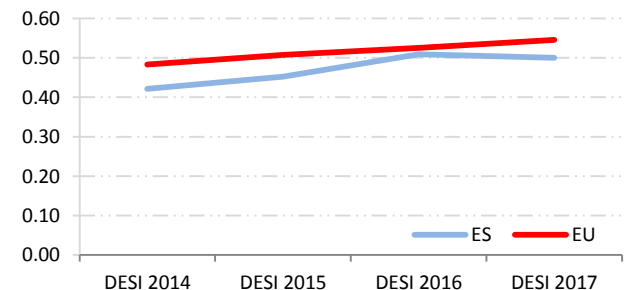


2) Human Capital: An increasing number of Spaniards are online but digital skills levels remain below EU average.

	Spain				EU
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value
<b>2a1 Internet Users</b> % individuals	76% ↑	17	75%	15	79%
	2016		2015		2016
<b>2a2 At Least Basic Digital Skills</b> % individuals	53% ↓	15	54%	13	56%
	2016		2015		2016
<b>2b1 ICT Specialists<sup>5</sup></b> % individuals	2.4% ↓	21	3.1%	17	3.5%
	2015		2014		2015
<b>2b2 STEM Graduates</b> Per 1000 individuals (aged 20-29)	21 ↑	6	19	10	19
	2014		2013		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

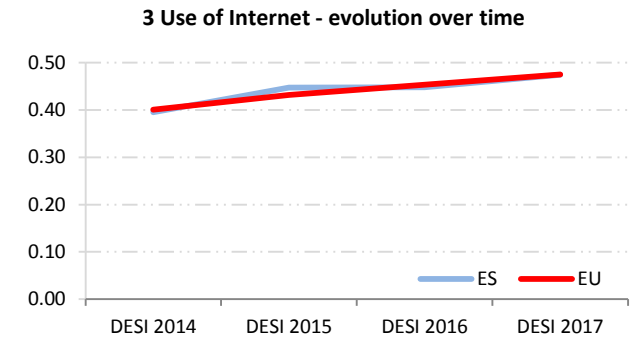
2 Human Capital - evolution over time



**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
<b>3a1 News</b>	78%	↓ 15	79%	13	70%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3a2 Music, Videos and Games<sup>6</sup></b>	83%	11	NA		78%
% individuals who used Internet in the last 3 months	2016				2016
<b>3a3 Video on Demand<sup>7</sup></b>	27%	7	NA		21%
% individuals who used Internet in the last 3 months	2016				2016
<b>3b1 Video Calls</b>	31%	↑ 28	29%	28	39%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3b2 Social Networks</b>	67%	↑ 18	65%	17	63%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3c1 Banking</b>	54%	↑ 18	50%	17	59%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3c2 Shopping</b>	54%	↑ 18	53%	16	66%
% internet users (last year)	2016		2015		2016

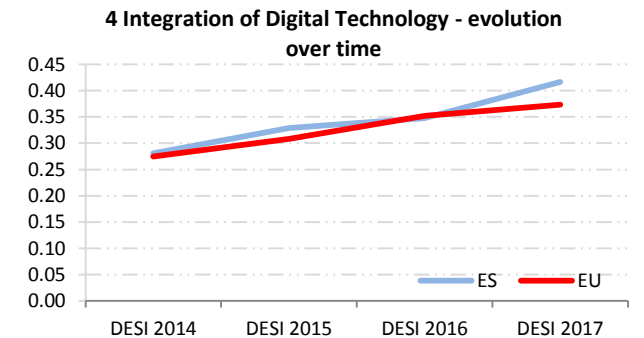
3 Use of Internet	Spain		Cluster	EU
	rank	score	score	score
DESI 2017	17	0.47	0.45	0.48
DESI 2016	16	0.45	0.42	0.45



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

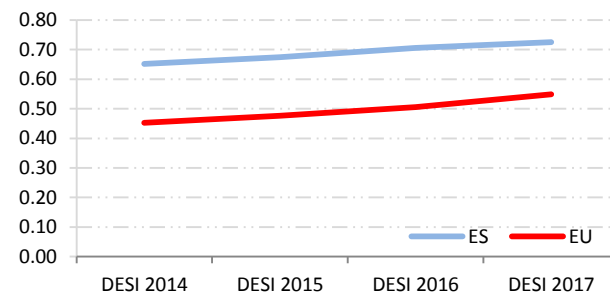


## 5) Digital Public Services: Spain performs solidly above EU average in the delivery of online public services and leads the rankings in Open Data.

	Spain				EU DESI 2017 value
	DESI 2017 value	rank	DESI 2016 value	rank	
<b>5a1 eGovernment Users</b> % internet users (last year)	40% ↑	11	38%	11	34%
<b>5a2 Pre-filled Forms</b> Score (0 to 100)	67 ↓	10	68	9	49
<b>5a3 Online Service Completion</b> Score (0 to 100)	89 ↓	11	91	7	82
<b>5a4 Open Data<sup>8</sup></b> % of maximum score	91% ↑	1	82%	1	59%

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

<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.