

The Digital Economy and Society Index (DESI)

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Priority nº 3: "A Europe fit for the digital age"



A Union that strives for more

My agenda for Europe

By candidate for President of the European Commission Ursula von der Leyen



POLITICAL GUIDELINES FOR THE NEXT EUROPEAN COMMISSION 2019-2024



Digital Single Market





What is DESI?

Aggregates digital indicators in a composite index Measures Europe's digital performance & identifies areas for improvement

EC's Main Digital Analytical Tool

Tracks progress of EU Member States Supports international benchmarking



DESI Drives Strategic Digital Development





DESI 2019 ranking



Digital Economy and Society Index (DESI) 2019 ranking



5 Years Digital Progress in the EU

Digital Economy and Society Index (DESI) - growth 2014-2019 25 20 15 10 5 0 IE LT LV ES HR IT NL SI UK CZ BE FI HU EU28 FR SK EE ΡL SE LU ΡT DK RO DE EL CY AT ΜT BG

> European Commission

Structure

- The DESI comprises 5 dimensions
 representing main policy areas
- Relevant sub-dimensions under each dimension
- Overall including over 40 indicators
- Calculated for six years, from 2014 to 2019.





1. Connectivity

- Connectivity is a necessary infrastructure for a digital economy and society.
- A digital society can only develop if its members are connected to the Internet.
- A high-speed Internet connection is essential to fully benefit from the developments of today's digital world.



2. Human Capital

- Digital skills are a necessary prerequisite for a digital economy and society.
- Citizens must have the appropriate skills to take advantage of the Internet.
- Basic skills enable individuals to take part in the digital society.
- Advanced skills empower the workforce to develop digital goods and services for enhanced productivity and economic growth.



3. Use of Internet

- Citizens engage in a wide range of content-rich activities online:
 - They consume content (e.g. news, music, movies, TV or games).
 - They communicate in different ways (e.g. online video-calls or social networks).
 - They engage in transactions (e.g. banking or shopping online).
- Such activities are drivers for the development of broadband networks.



4. Integration of Digital Technology

- Business digitisation is one of the main contributors to enhanced economic growth.
- Adoption of digital technology enhances efficiency, reduces costs and allows for closer engagement with customers, collaborators or business partners.
- The ability to use the Internet as a sales outlet pushes businesses to modernise and allows them to exploit new sources of revenue.



5 Digital Public Services

- Digital technologies can improve business and citizen interaction with the public sector.
- Public administrations can better address business and citizen needs, while reducing costs.
- Better and more streamlined public services make citizens and businesses gain efficiency, both due to better functionality as well as to reductions in time spent.



Types of Analyses Based on the DESI

General performance assessment	 Characterisation of the performance of individual Member States by observing their overall index score and the scores of the main index dimensions.
Zooming-in	 Pinpoint the areas where Member State performance could be improved by analysing the scores of the index's sub-dimensions and individual indicators.
Follow-up	 Assess progress over time in aggregate dimensions and individual indicators.
Comparative analysis	 Cluster Member States according to their index scores and growth from the previous year Comparisons between Member States in similar stages of digital development to flag the need for improvement in relevant policy areas.



iDESI: How does the EU compare to other digitised countries worldwide?



International Digital Economy and Society Index (i-DESI) 2018

Source: Tech 4i2

The iDESI includes the same five dimensions as the DESI, but it is built on a slightly different set of indicators than DESI due to some DESI indicators not being available in non-EU countries.

As a result, the I-DESI rankings and scores are slightly different to those of the DESI.



Useful links

- DESI main page with press release: <u>https://ec.europa.eu/digital-single-</u> <u>market/en/desi</u>
- Country profiles https://ec.europa.eu/digital-singlemarket/en/scoreboard/
- DESI visualisation tool (graphs and numbers): <u>https://digital-agenda-</u> <u>data.eu/datasets/desi/visualizations</u>
- Press release: <u>https://europa.eu/rapid/press-</u> <u>release_IP-19-2930_en.htm</u>
- MEMO: <u>https://europa.eu/rapid/press-</u> release_MEMO-19-2933_en.htm

- Download the new DESI Report 2019:
 - Connectivity Broadband market developments in the EU (PDF)
 - Human Capital Digital Inclusion and Skills (PDF)
 - Use of Internet Services (PDF)
 - Integration of Digital Technology (PDF)
 - Digital Public Services (PDF)
 - The EU ICT Sector and its R&D
 Performance (PDF)
 - Research and Innovation: ICT projects in Horizon 2020 Digital (PDF)
- Review country performance <u>Country</u> <u>Profiles</u>
- Explore DESI Report <u>Telecoms Chapters</u>
- Explore DESI <u>Data</u>





Thank you!

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