



Il ruolo dell'Unione europea nella transizione digitale

La digitalizzazione in Europa oggi, il caso italiano, la visione europea per il 2030

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Vice Direttore DG CNECT : Commissione Europea



Digital transition is accelerating. Most Member States are progressing in building resilient digital societies and economies. Since the start of the pandemic, we have made significant efforts to support Member States in the transition. Be that through the Recovery and Resilience Plans, EU Budget or, more recently also through the Structured Dialogue on Digital Education and Skills. Because we need to make the most of the investments and reforms necessary to meet the Digital Decade targets in 2030. So change must happen already now.

Margrethe Vestager, Executive Vice-President for a Europe Fit for the Digital Age



We are making progress in the EU towards our digital targets, and we must continue our efforts to make the EU a global leader in the technology race. The DESI shows where we need to further strengthen our work, for example in spurring digitisation of our industry, including SMEs. We need to step up the efforts to make sure that every SME, business, and industry in the EU have the best digital solutions available to them and have access to a world-class digital connectivity infrastructure.

Thierry Breton, Commissioner for the Internal Market

Il monitoraggio del digitale a livello UE:

il ruolo dell'Indice di digitalizzazione dell'economia e della società (DESI)

- Dal 2014 DESI è un rapporto di analisi e un indice aggregato di indicatori che misura la performance digitale in Europa
- I rapporti DESI, pubblicati annualmente dalla Commissione, contengono:
 - Una panoramica europea per le aree politiche chiave
 - Un'analisi specifica per ogni Stato membro
- A partire dal 2023 DESI sarà incorporato nella relazione annuale sullo "stato del decennio digitale», prevista per giugno

Struttura del DESI

1 Competenze digitali

Competenze digitali di base (uso di internet e software), competenze digitali avanzate, laureati e specialisti in ICT

2 Infrastrutture (connectivity)

Disponibilita', copertura e qualita' di network fissi e mobili, costi della banda larga

3 Trasformazione digitale delle imprese

Livello di digitalizzazione delle imprese, incluso: adozione e uso di Cloud, Big Data, AI, aziende, commercio e vendita online (e-commerce), fatturazione elettronica

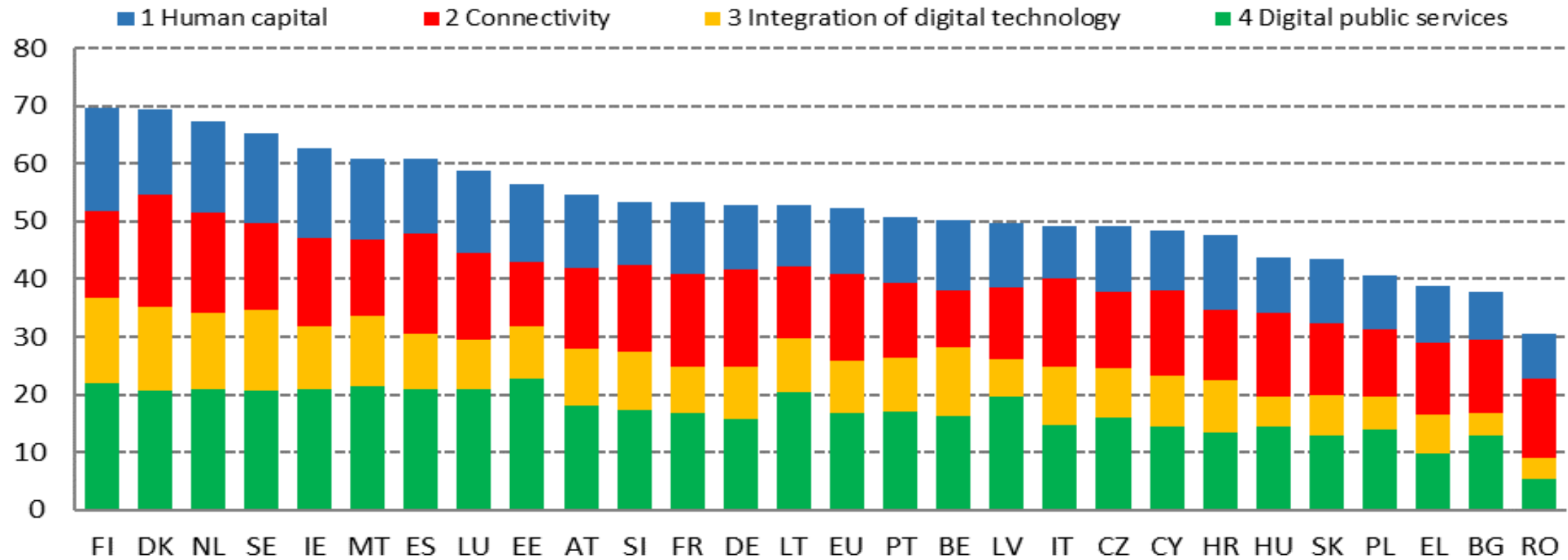
4 Digitalizzazione dei servizi pubblici

Servizi pubblici digitali sia per i cittadini che per le imprese (e-Government)

II DESI 2022

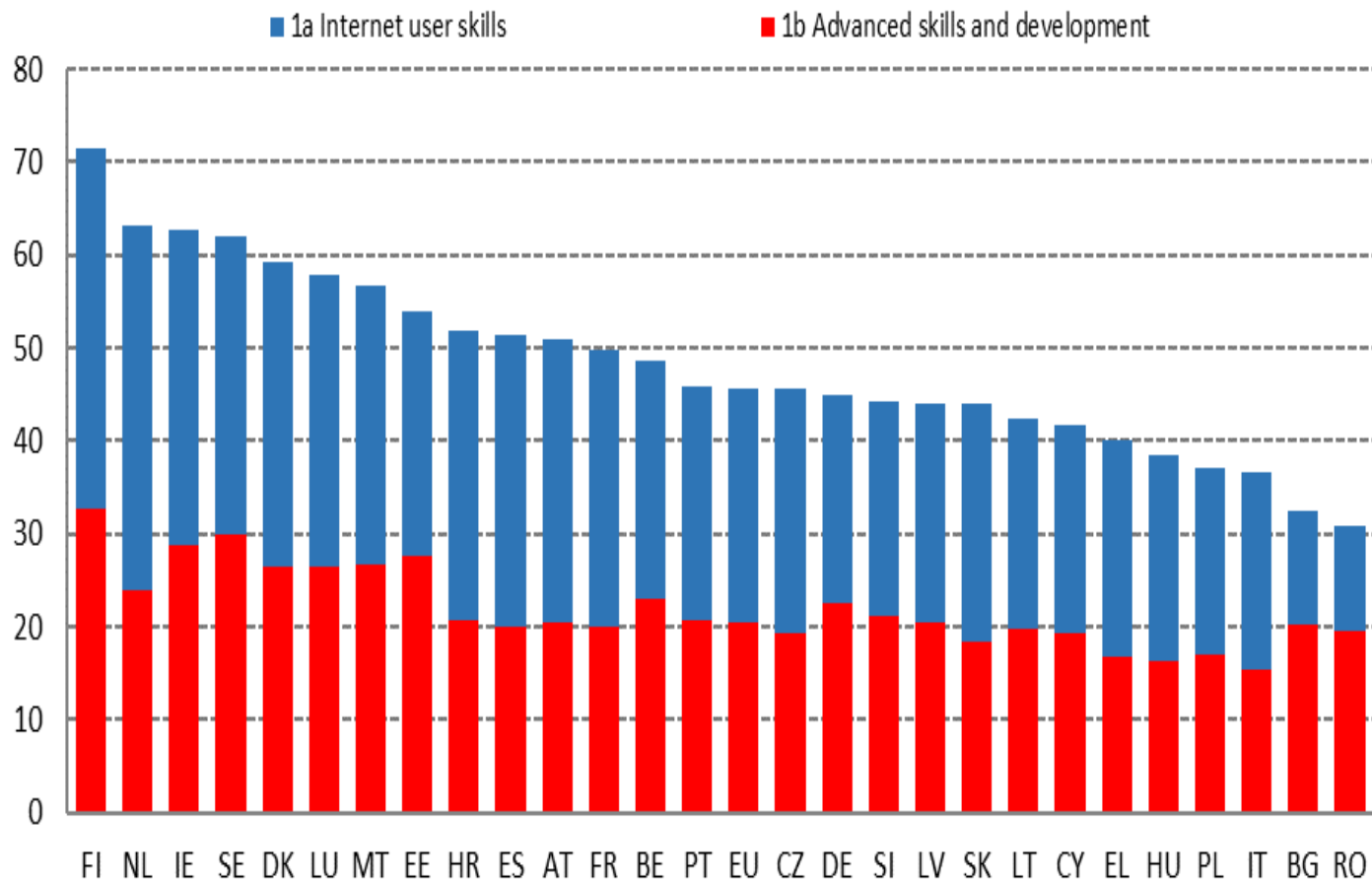
(data pubblicazione: luglio 2022)

DESI 2022: overview



DESI 2022: la componente capitale umano a livello europeo

Digital Economy and Society Index (DESI) 2022, Human capital

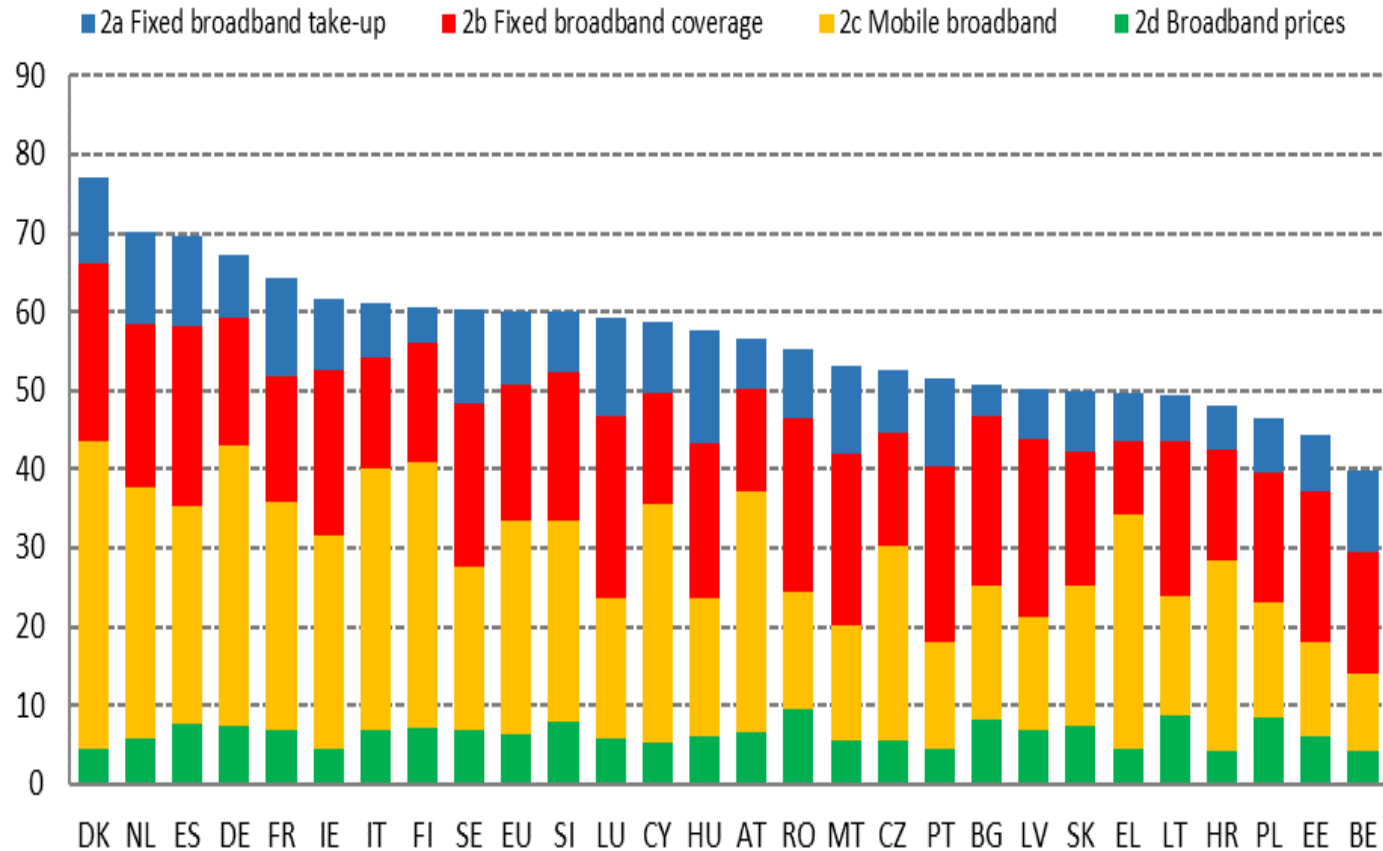


La dimensione Human Capital di DESI

	EU DESI 2022
1a1 At least basic digital skills % individuals	54% 2021
1a2 Above basic digital skills % individuals	26% 2021
1a3 At least basic digital content creation skills % individuals	66% 2021
1b1 ICT specialists % individuals in employment aged 15-74	4.5% 2021
1b2 Female ICT specialists % ICT specialists	19% 2021
1b3 Enterprises providing ICT training % enterprises	20% 2020
1b4 ICT graduates % graduates	3.9% 2020

DESI 2022: la componente infrastrutture digitali a livello europeo

Digital Economy and Society Index (DESI) 2022, Connectivity

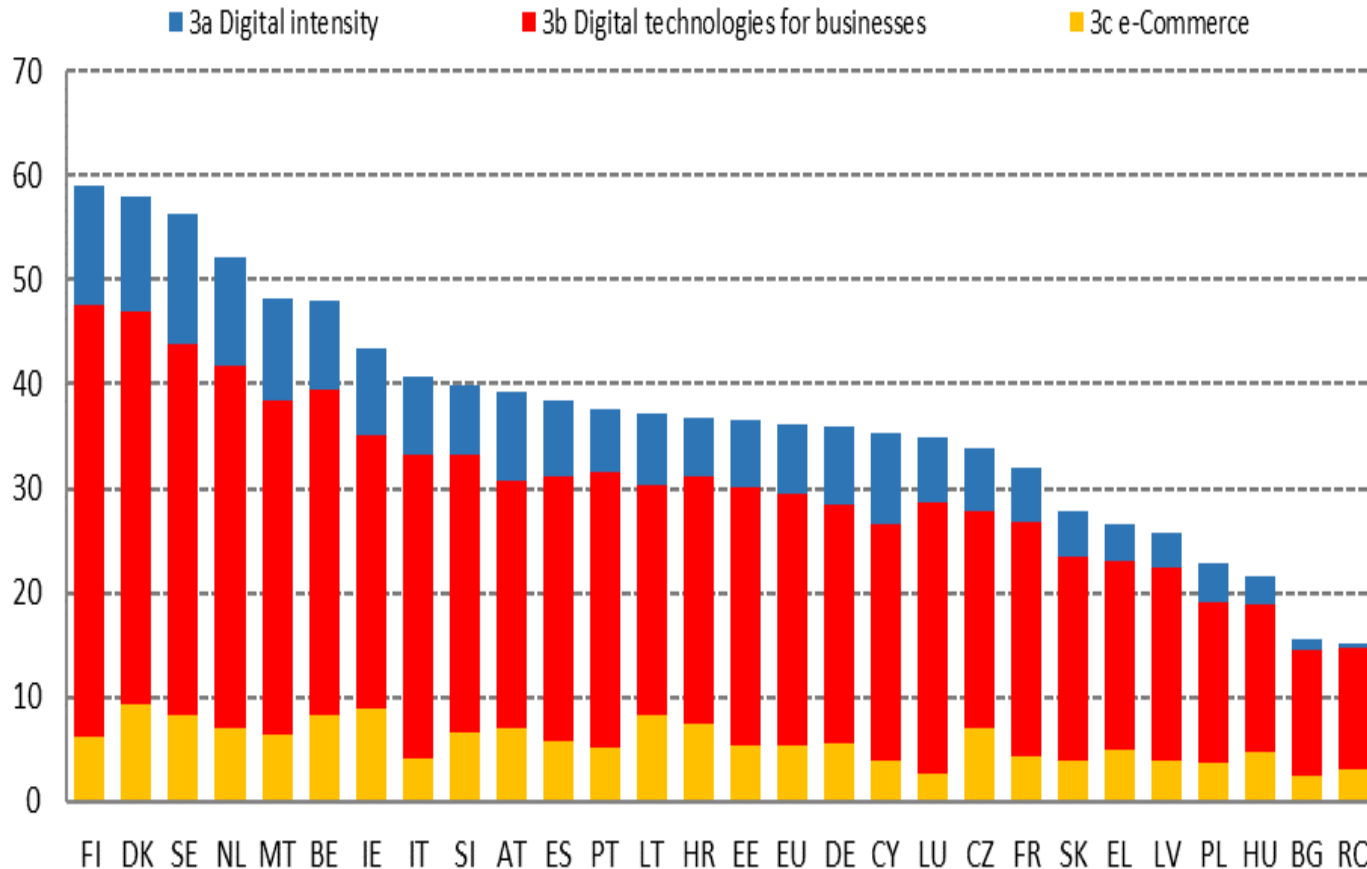


The Connectivity dimension of DESI

	EU	
	DESI 2020	DESI 2022
2a1 Overall fixed broadband take-up % households	75%	78%
2a2 At least 100 Mbps fixed broadband take-up % households	28%	41%
2a3 At least 1 Gbps take-up % households	NA	7.6%
2b1 Fast broadband (NGA) coverage % households	84%	90%
2b2 Fixed Very High Capacity Network (VHCN) coverage % households	50%	70%
2b3 Fibre to the Premises (FTTP) coverage % households	38%	50%
2c1 5G spectrum Assigned spectrum as a % of total harmonised 5G spectrum	20%	56%
2c2 5G coverage % populated areas	NA	66%
2c3 Mobile broadband take-up % individuals	80%	87%
2d1 Broadband price index Score (0-100)	64	73

DESI 2022: la digitalizzazione delle imprese (incluse le PMI) a livello europeo

Digital Economy and Society Index (DESI) 2022, Integration of digital technologies

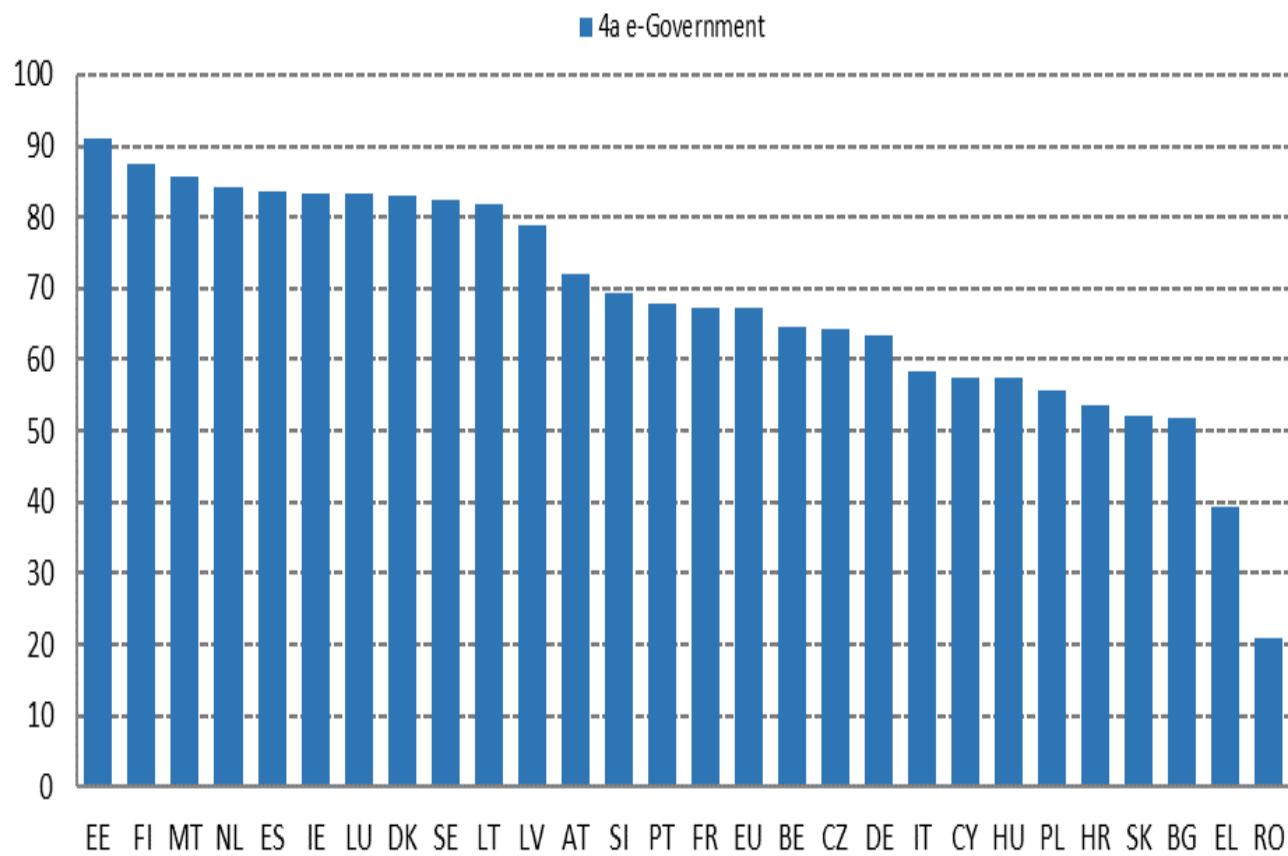


The Integration of Digital Technology dimension of DESI

	EU DESI 2020	EU DESI 2022
3a1 SMEs with at least a basic level of digital intensity	NA	55%
% SMEs		2021
3b1 Electronic information sharing	36%	38%
% enterprises	2019	2021
3b2 Social media¹	23%	29%
% enterprises	2019	2021
3b3 Big data	12%	14%
% enterprises	2018	2020
3b4 Cloud²	NA	34%
% enterprises		2021
3b5 AI	NA	8%
% enterprises		2021
3b6 ICT for environmental sustainability	NA	66%
% enterprises having medium/high intensity of green action through ICT		2021
3b7 e-Invoices	25%	32%
% enterprises	2018	2020
3c1 SMEs selling online	17%	18%
% SMEs	2019	2021
3c2 e-Commerce turnover	11%	12%
% SME turnover	2019	2021
3c3 Selling online cross-border	8%	9%
% SMEs	2019	2021

DESI 2022: la digitalizzazione dei servizi pubblici a livello europeo

Digital Economy and Society Index (DESI) 2022, Digital public services

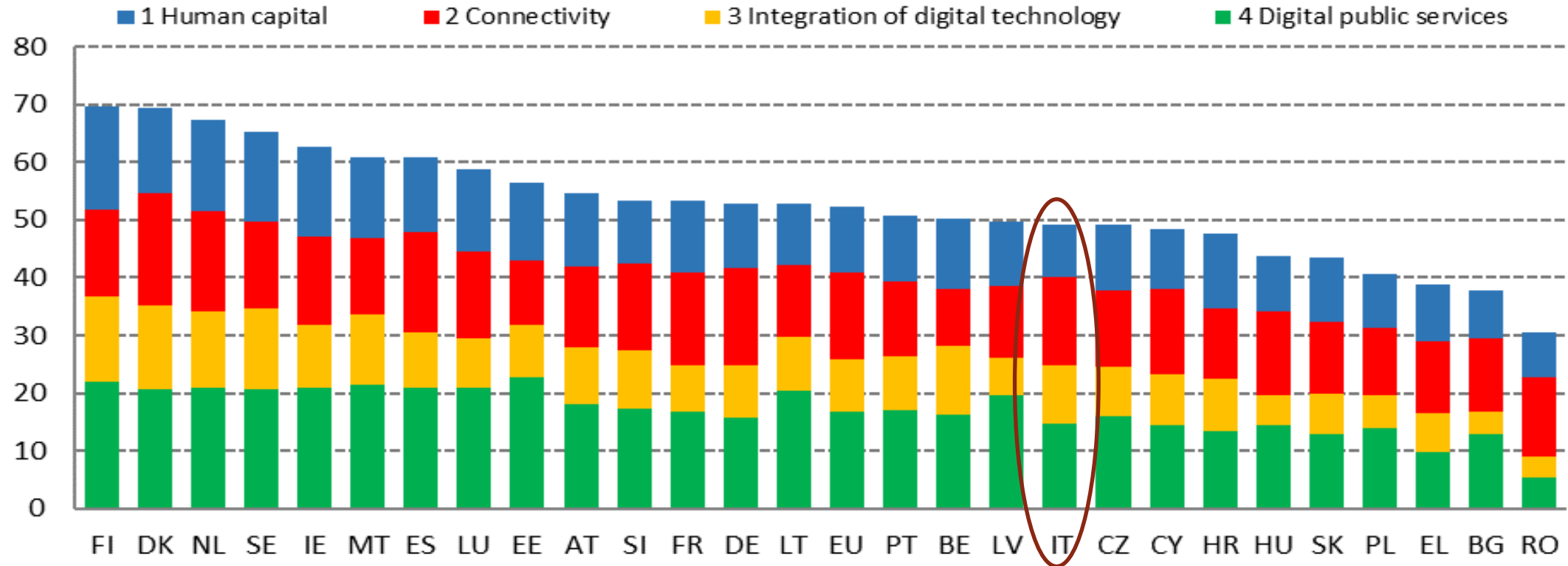


The Digital Public Services dimension of DESI

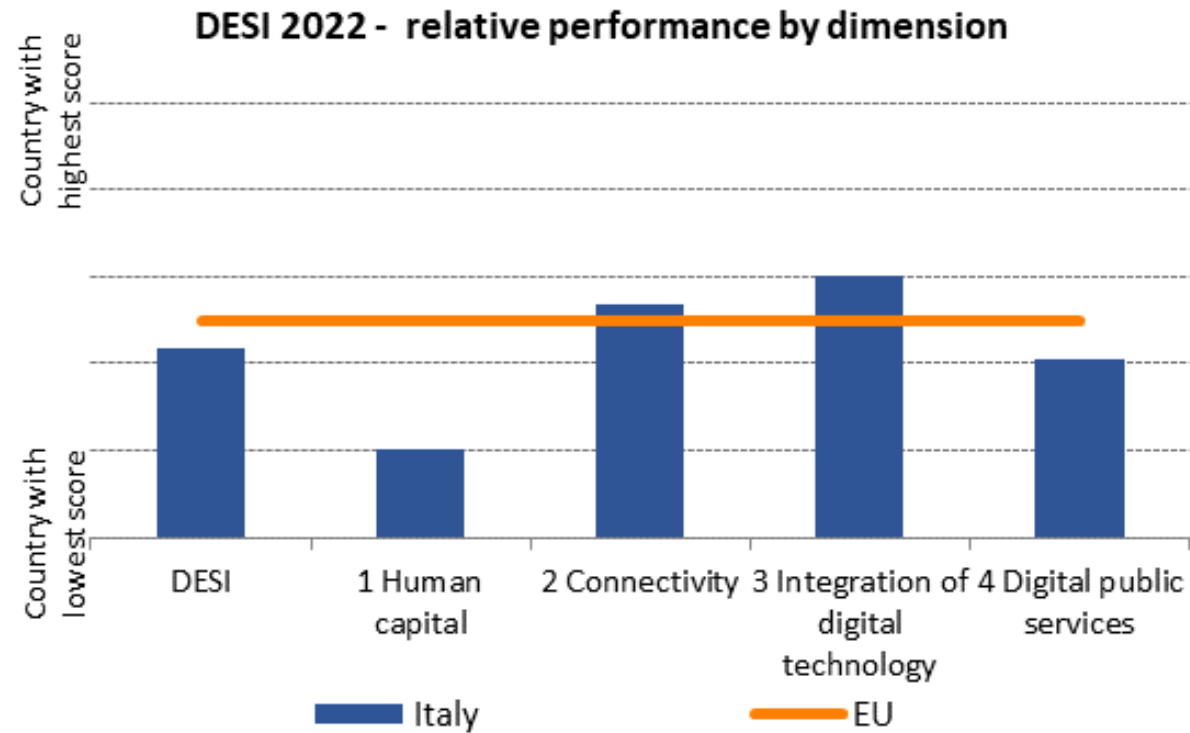
	EU	
	DESI 2020	DESI 2022
4a1 e-Government users % internet users	61% 2019	65% 2021
4a2 Pre-filled forms Score (0 to 100)	NA	64 2021
4a3 Digital public services for citizens Score (0 to 100)	NA	75 2021
4a4 Digital public services for businesses Score (0 to 100)	NA	82 2021
4a5 Open data % maximum score	NA	81% 2021

Focus sull'Italia

Panoramica complessiva dell'Italia nel DESI 2022



Italia - punteggi sulle 4 dimensioni del DESI 2022



Human capital	Italy			EU	EU top- performance
	DESI 2020	DESI 2021	DESI 2022	DESI 2022	DESI 2022
At least basic digital skills	NA	NA	46%	54%	79%
% individuals			2021	2021	2021
ICT specialists	3.5%	3.6%	3.8%	4.5%	8.0%
% individuals in employment aged 15-74	2019	2020	2021	2021	2021
Female ICT specialists	15%	16%	16%	19%	28%
% ICT specialists	2019	2020	2021	2021	2021
Connectivity					
Fixed Very High Capacity Network (VHCN) coverage	30%	34%	44%	70%	100%
% households	2019	2020	2021	2021	2021
5G coverage (*)	NA	8%	99.7%	66%	99.7%
% populated areas		2020	2021	2021	2021
Integration of digital technology					
SMEs with at least a basic level of digital intensity	NA	NA	60%	55%	86%
% SMEs			2021	2021	2021
Big data	7%	9%	9%	14%	31%
% enterprises	2018	2020	2020	2020	2020
Cloud	NA	NA	52%	34%	69%
% enterprises			2021	2021	2021
Artificial Intelligence	NA	NA	6%	8%	24%
% enterprises			2021	2021	2021
Digital public services					
Digital public services for citizens	NA	NA	67	75	100
Score (0 to 100)			2021	2021	2021
Digital public services for businesses	NA	NA	79	82	100
Score (0 to 100)			2021	2021	2021

La visione europea all'orizzonte 2030 «Strategia per il decennio digitale»

Indicatori ed obiettivi 2030 del programma strategico europeo per il decennio digitale: la bussola digitale

Skills

ICT Specialists: 20 millions + Gender convergence

Basic digital skills: 80% of population



Infrastructures

Connectivity: Gigabit for everyone, 5G in all populated areas

Cutting edge Semiconductors: double EU share in global production

Data – Edge & Cloud: 10,000 climate neutral highly secure edge nodes

Computing: first computer with quantum acceleration

Government

Key Public Services: 100% online

e-Health: 100% availability medical records

Digital Identity: 80% citizens using digital ID

Business

Tech up-take: 75% of EU companies using Cloud/AI/Big Data

Innovators: grow scale ups & finance to double EU Unicorns

Late adopters: more than 90% of European SMEs reach at least a basic level of digital intensity

Il programma strategico europeo per il decennio digitale: “*Digital Decade Policy Programme 2030*”

Definizione e monitoraggio degli obiettivi e i principi digitali verso il 2030	Collaborazione e coordinamento tra stati membri ed istituzioni europee	Sinergia tra investimenti nelle diverse aree e tra diversi stati membri
<p>Valutazione dello stato di avanzamento degli stati membri verso gli obiettivi del Digital Decade</p> <p>Monitoraggio dei KPI come parte del Digital Economy and Society Index (DESI)</p> <p>Monitoraggio dello stato di attuazione dei Principi Digitali (Digital Principles)</p> <p>Condivisione annuale dei risultati con il Consiglio ed il Parlamento europeo</p>	<p>Gli Stati membri definiscono le roadmaps nazionali</p> <p>Ciclo annuale di collaborazione e cooperazione per individuare soluzioni ed assumere impegni comuni</p>	<p>Meccanismi di facilitazione per progetti in comune tra differenti stati membri</p>

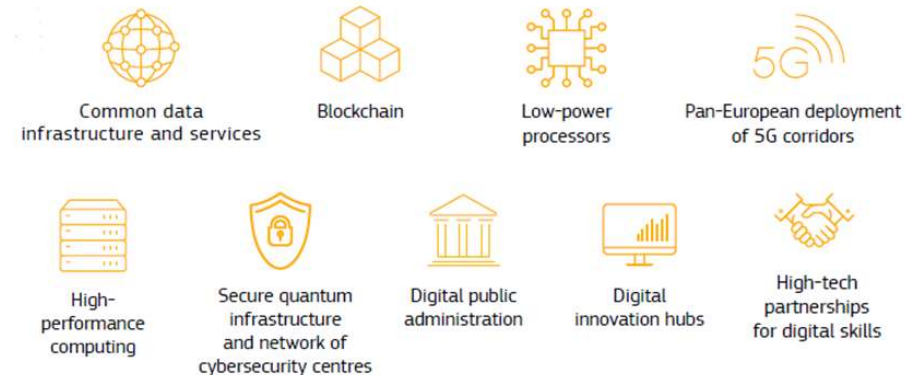
Multi-Country Projects (MCPs) and European Digital Infrastructure consortia (EDICs)

MCPs: Large scale projects for the EU digital transformation. Addressing strategic vulnerabilities and dependencies along the supply chain. Allows to pool EU, national, and private resources to achieve progress and scale that no MS could do on its own.

New instrument Digital Decade:

- ✓ Quick set up & flexible implementation, addressing needs of deployment projects;
- ✓ Several MS participate from the beginning, open for other MS during the EDIC lifecycle;
- ✓ Enabling infrastructure deployment & operation combined with long-term sustainability.

Multi-country projects will facilitate investments in areas like:



Declaration on the Digital rights and principles

- 1. Putting people at the centre of the digital transformation:** technology should serve and benefit all people living in the EU and empower them to pursue their aspirations, in full security and respect of their fundamental rights
- 2. Solidarity and inclusion:** solidarity and inclusion through Connectivity; Digital education and skills; Working conditions; Digital public services online
- 3. Freedom of choice:** freedom of choice in interactions with artificial intelligence systems and in a fair digital environment
- 4. Participation in the digital public space:** access to a trustworthy, diverse and multilingual digital environment; freedom of expression in the digital environment; transparency about media owners; very large online platforms should mitigate the risks from e.g., disinformation
- 5. Safety, security and empowerment:** a safe and secure online environment, with particular attention to children and young people; ensuring privacy and individual control over data
- 6. Sustainability:** digital products and services should be designed, produced, used, disposed of and recycled in a way that minimises their negative environmental and social impact; access to accurate, easy-to-understand information on their environmental impact and energy consumption

Per saperne di piu'

- DESI:

<https://digital-strategy.ec.europa.eu/en/policies/desi>

- Analisi delle performance paese per paese:

<https://digital-strategy.ec.europa.eu/en/policies/countries-digitisation-performance>

- Gli indicatori del DESI:

<https://digital-agenda-data.eu/datasets/desi/visualizations>

- Il piano strategico europeo per il decennio digitale 2030:

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_4503

- Lo scoreboard dei piani RRF:

https://ec.europa.eu/economy_finance/recovery-and-resilience-scoreboard/index.html?lang=en

Grazie



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