

Delivering Our Digital Future

TransFormWork Roundtable

Dublin

October 12, 2022

Overview

1. Why the digital transition matters?
2. What is the policy/strategy on this digital transition?
3. Where are we on this digital transition?
4. How should we deliver this digital transition?

1. Why the digital transition matters?

- Proven Enabler to navigate economic and societal **headwinds** including health and the twinned green transition.
- Pandemic accelerated digital transition. Digital now **integral to our economy and society**
- International **Digital Hub**
- **'We are all data companies now...'** [Irish Data Protection Commission]
- 9/10 Irish CEO 'Being prepared for technological change is a key priority for their role' (Ibec)
- Enabler **better services**

Supports a Smart, Global & Diverse Manufacturing Base



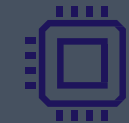
No. 1
exporter of contact
lenses in Europe



No. 1
exporter in Europe
of specialised
nutrition products



No. 1
exporter of antisera
and immunological
products in Europe



No. 5
**exporter of data
processing machines.**



No. 2
exporter of medical
devices in Europe



No. 2
exporter of orthopaedic
products in Europe



No. 2
exporter of complex
pharmaceutical goods
and medicines in
Europe



No. 2
exporter of vaccines
in Europe

2. What is the policy/strategy on Digital?

Harnessing Digital - The Digital Ireland Framework

Positioning Ireland as a digital leader, driving and enabling digital transformation across the economy and society.

Dimension 1:

Digital Transformation of Business



Dimension 2:

Digital Infrastructure



Dimension 3:

Skills



Dimension 4:

Digitalisation of Public Services



AI - Here for Good

Building Public Trust

Effective safeguards

AI demystified – a force for good

Leveraging AI for Our Economy and Society

Higher productivity

Better public service outcomes

Putting the Building Blocks in Place

Strong innovation ecosystem

Workforce that is prepared for AI

Secure data, digital and connectivity infrastructure

Executing the Strategy

Enterprise Digital Advisory Board

GovTech Delivery Board

AI ambassador

A *brief* history of [some EU] time... (Modern internet is 39 years old)

Privacy & Cybersecurity:

- Data Protection Directive (1995) COM (2010) GDPR & Directive (2012-2016) COMs (2018, 2019, 2020)
- ePrivacy Directive (2002) Cookie Directive (2009) ePR (2017-)
- COM (2013) NISD (2016) CSA (2019) COM (2020) NIS2 (2020-) CRA (Q3 2022)

Data (flows, sharing & access):

- PSI Directive (2003) COM (2014, 2017, 2018) Open Data & PSI Directive (2019) COM (2020) DGA (2020-2022) Data Act (2022-) Data Spaces (EHDS, 2022)

Market (access, safety & rules):

- eCommerce Directive (2000) P2B Regulation (2019) DMA & DSA (2020-2022)

Other:

- Database Directive (1996) eIDAS Regulation (2014) eEvidence Regulation & Directive (2018-) Digital Content Directive (2019) European Digital ID regulation (2021-), Chips Act 2022

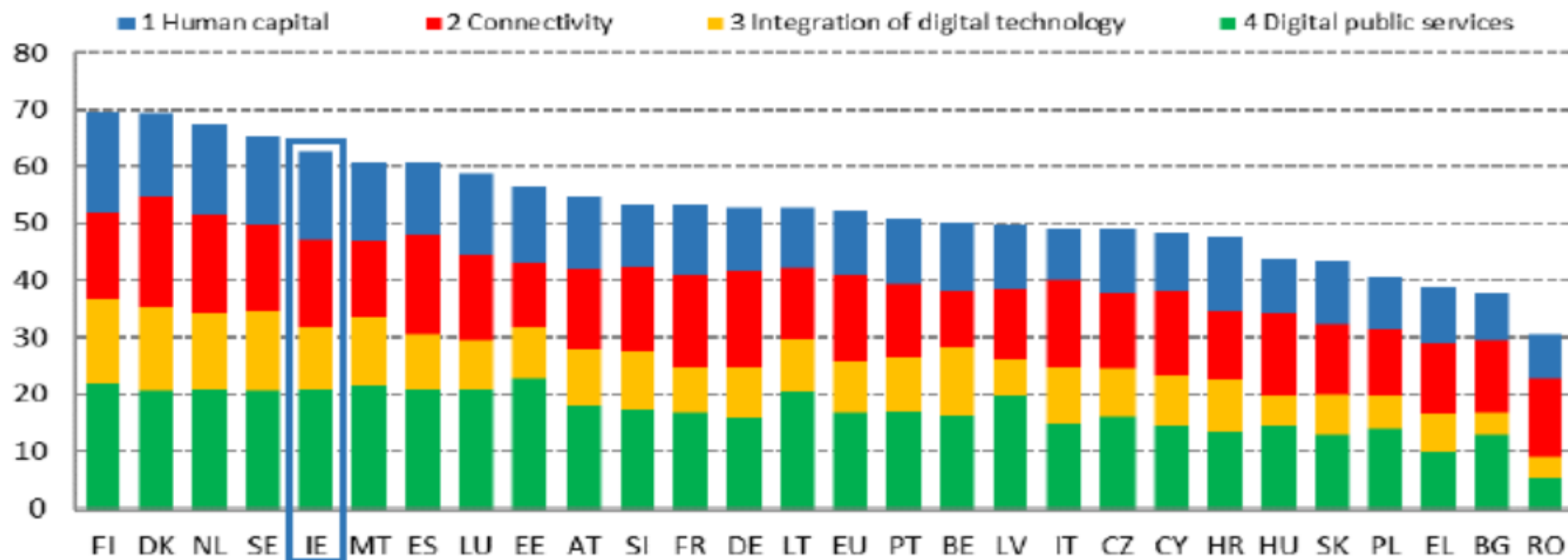
Artificial Intelligence (AI)

- White Paper (2020)
- AI Act (2021-)

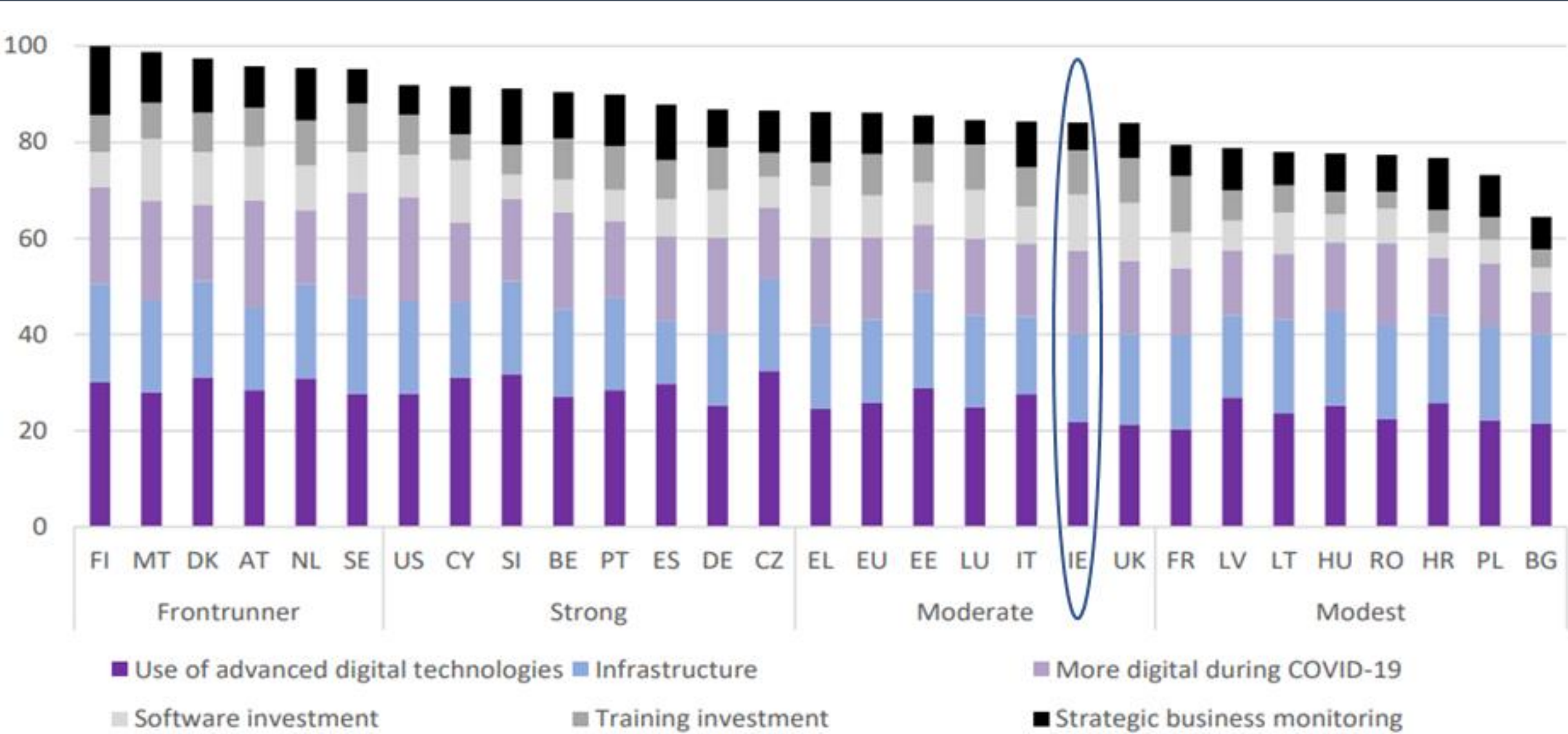
3. Where are we on this transition?

	Ireland	EU
rank	5	
score	62.7	52.3

Digital Economy and Society Index (DESI) 2022 ranking



EIB Investment Survey Corporate Digitalisation Index 2021 – Firm level, Ireland



2030 Targets: Where does Ireland have to get to on digital?

IE Digital Performance (Skills, Infrastructure & Adoption) against (a) EU27 Average (b) EU27 Frontrunners & (c) 2030 Targets (Source: DESI 2022)							
Digital Capacity:	% Current Level					% Digital Decade Targets	
A. Skills	IE	EU Average	Variance	#1 EU Performer	Variance	2030 Target	Variance
At least basic digital skills	70.5	53.9	24%	79.2	-12%	80	-13%
ICT Specialists	6.3	4.5	29%	8	-27%	No national target for 2030 yet	
Female ICT Specialists	20	19.1	4%	28.2	-41%	50	-150%
Enterprises providing ICT training	27.0	19.7	27%	37.7	-39%	N/A	N/A
ICT Graduates	8.6	3.9	55%	8.6	0%	N/A	N/A
Lifelong learning	13.6	10.8	21%	34.7	-155%	N/A	N/A
B. Digital Infrastructure	IE	EU Average	Variance	#1 EU Performer	Variance	2030 Target	Variance
Fixed Very High Capacity Network (VHCN) coverage	88.7	70.2	21%	100.0	-13%	100	-13%
5G Coverage	72.1	65.8	9%	99.7	-38%	100	-39%
C. Digital Adoption by Business	IE	EU Average	Variance	#1 EU Performer	Variance	2030 Target	Variance
SMEs with at least a basic level of Digital Intensity	64.2	54.9	15%	86.1	-34%	90	-40%
Big Data Adoption	22.7	14.2	37%	30.0	-32%	75	-231%
Cloud services Adoption	47.4	34.0	28%	69.2	-46%	75	-58%
Using <i>any</i> AI technology	7.88	7.91	-0.3%	23.9	-203%	75	-852%
Using <i>at least 2</i> AI technologies	3	4	-33%	13	-333%	N/A	N/A

4. Where to next?



Backing our digital future

Priorities for a reimagined, digitalised and resilient Ireland, 2021-2025



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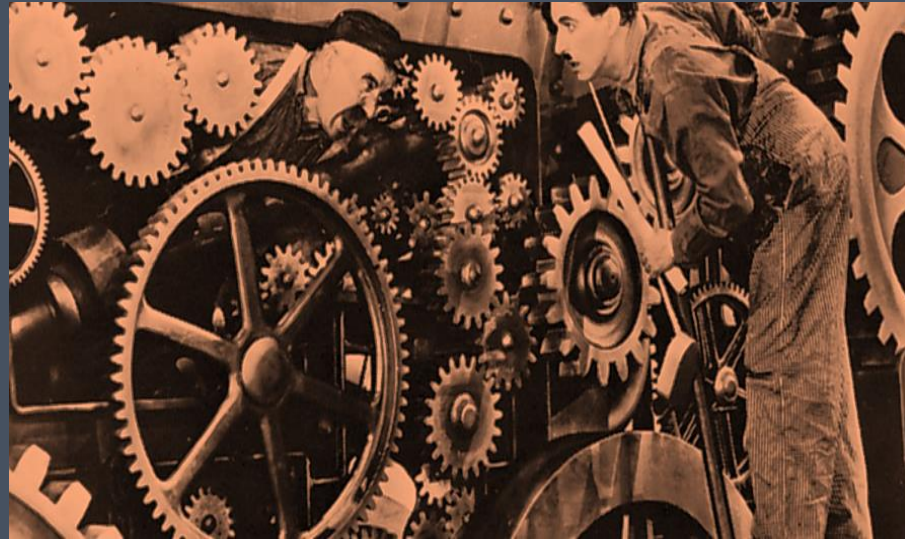
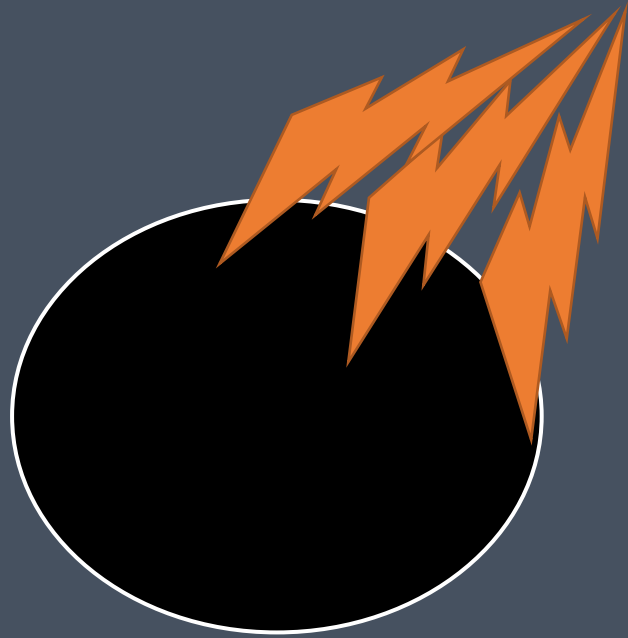


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Meet the Challenge, Realise the Opportunity



Conclusions

1. **Why the digital transition matters?** Proven enabler to navigate shared economic and societal headwinds
2. **What is the policy/strategy on this digital transition?** EU & IE have clear stated and shared ambitions to be leaders in digital and 2030 targets in skills, infrastructure & adoption
3. **Where are we on this digital transition?** Well placed, but cannot be complacent. Gaps & Divides must be addressed. This is a competitive imperative and for ensuring inclusion.
4. **How should we deliver this digital transition?** We (EU, Members States, Organisations & individuals) must invest further in our digital readiness.



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