



Ecosystem

a member of the ECHAlliance International Ecosystem Network

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Ireland's National Digital Strategy (NDS) – the Why? and the What?

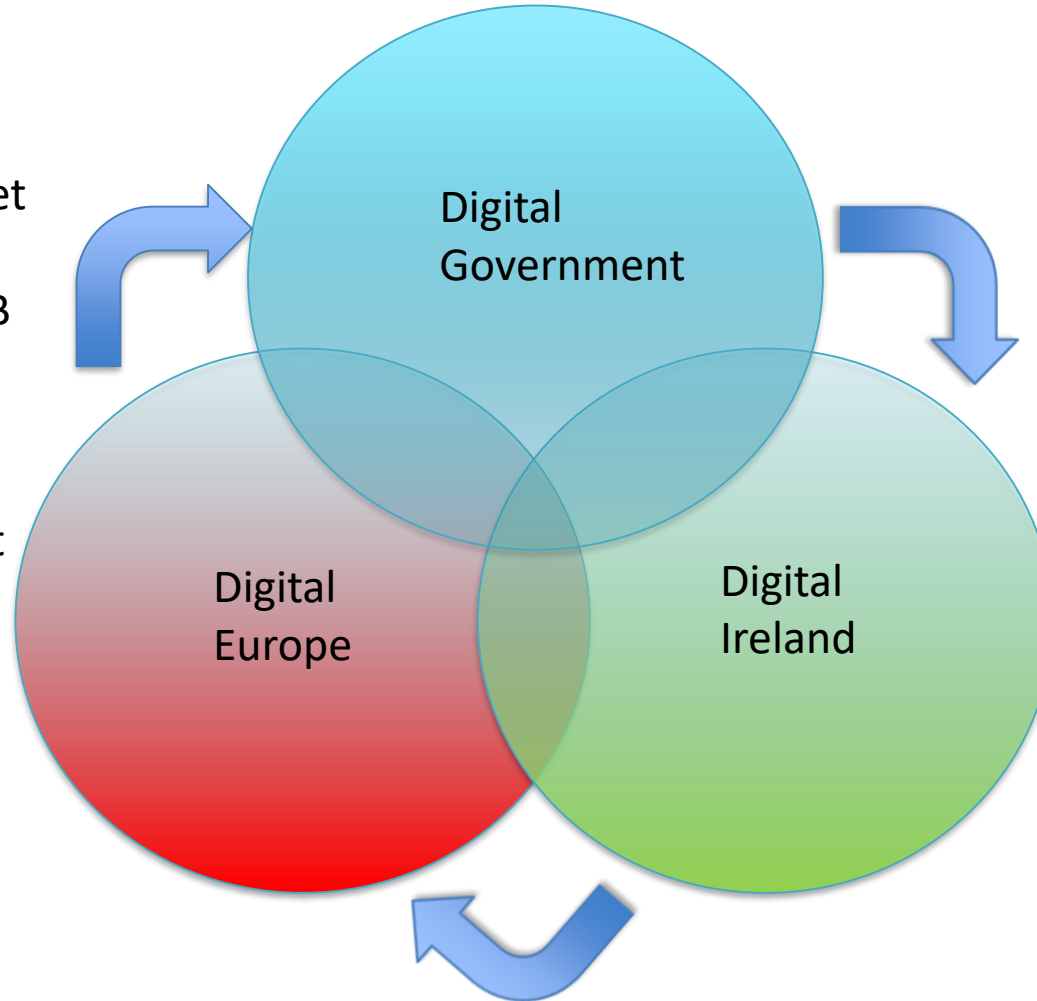
Barry Lowry,
Government CIO,
February 2019

The Challenge



Our Digital Eco-System

The Digital Single Market could be worth €415B and must be driven by Digital Government



The forthcoming National Digital Strategy is highly significant for the economy

Ireland must retain its place within Europe's Digital elite

The Context



1. Europe very much aware of the risks of Brexit, US Trade Policy & the rapid rise of Asia to European growth and prosperity

Make Europe a digital champion

“A truly integrated European Digital Single Market is clearly a pre-condition to enable our digital sector to compete.”

“With an allocation of €9 billion, the Digital Europe Programme is the EU's first digital programme. It focuses on five areas: **high-performance computing, artificial intelligence, cybersecurity and trust, digital skills, and ensuring a wide use of digital technologies** across the economy and society.”

“It is crucial that national governments support this program”.



Digital Economy & Society Commissioner Maraya Gabriel (Sept 18)

2. Europe realises that it's all about the people!

Focus on European citizens

“we must ensure that our **citizens are equipped** to reap the benefits of digital, **while being protected** against the new risks of the digital life”.

“the automation of labour through artificial intelligence will most significantly affect all types of jobs, including skilled white-collar middle-class workers”.

“Today, 90% of jobs require basic digital skills, but one third of the European labour force is lacking such skills. The 350,000 open vacancies for information and communication technology specialists in Europe show that the European digital transformation is slowed down by the **lack of adequately skilled employees**”.



“our focus should not be on technology but on people: either we will build human-centred digital ecosystems based on people and values, or we are simply going to fall”.

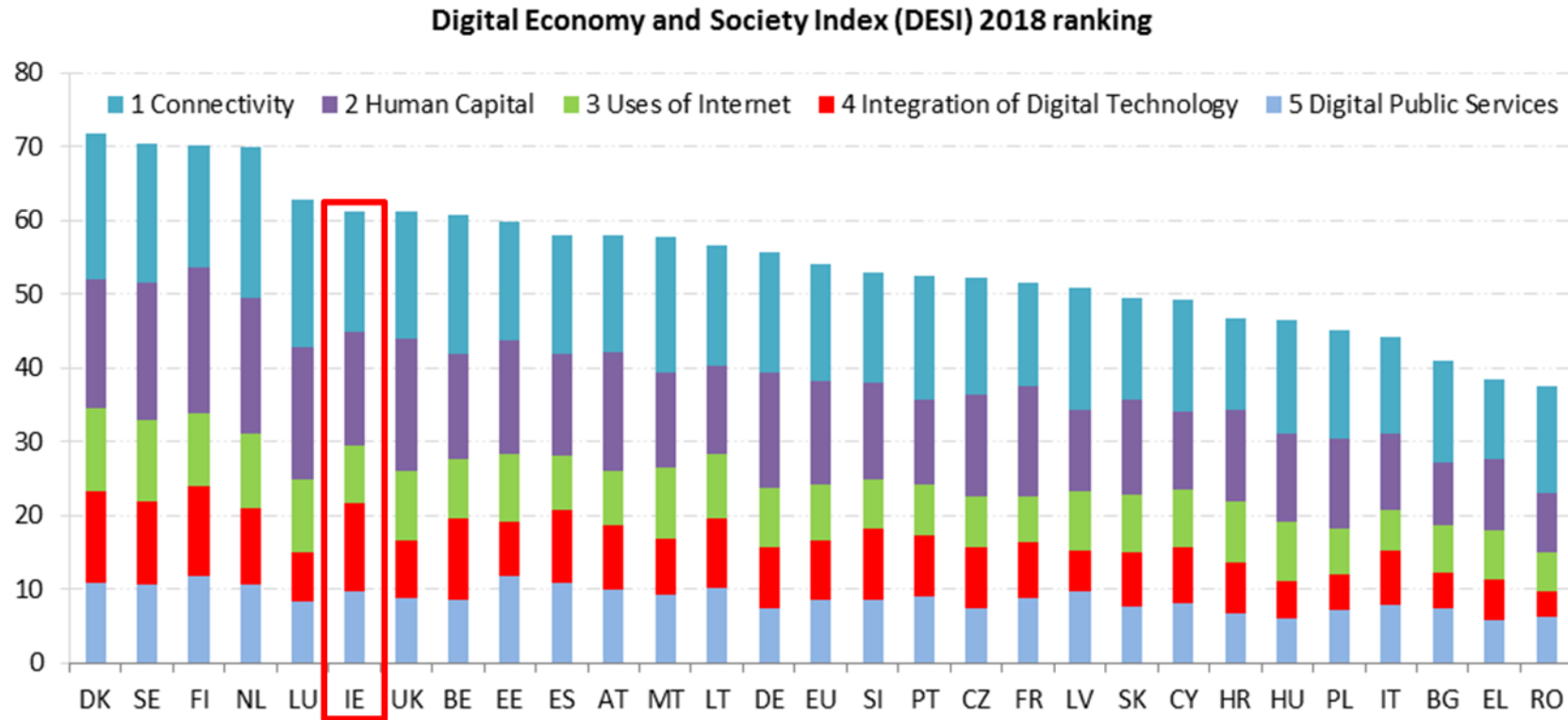
Digital Economy & Society Commissioner
Maraya Gabriel (Sept 18)

3. Ireland cannot be constrained by its geographic and cultural uniqueness

The European Union
(early 2016)



Where we are today



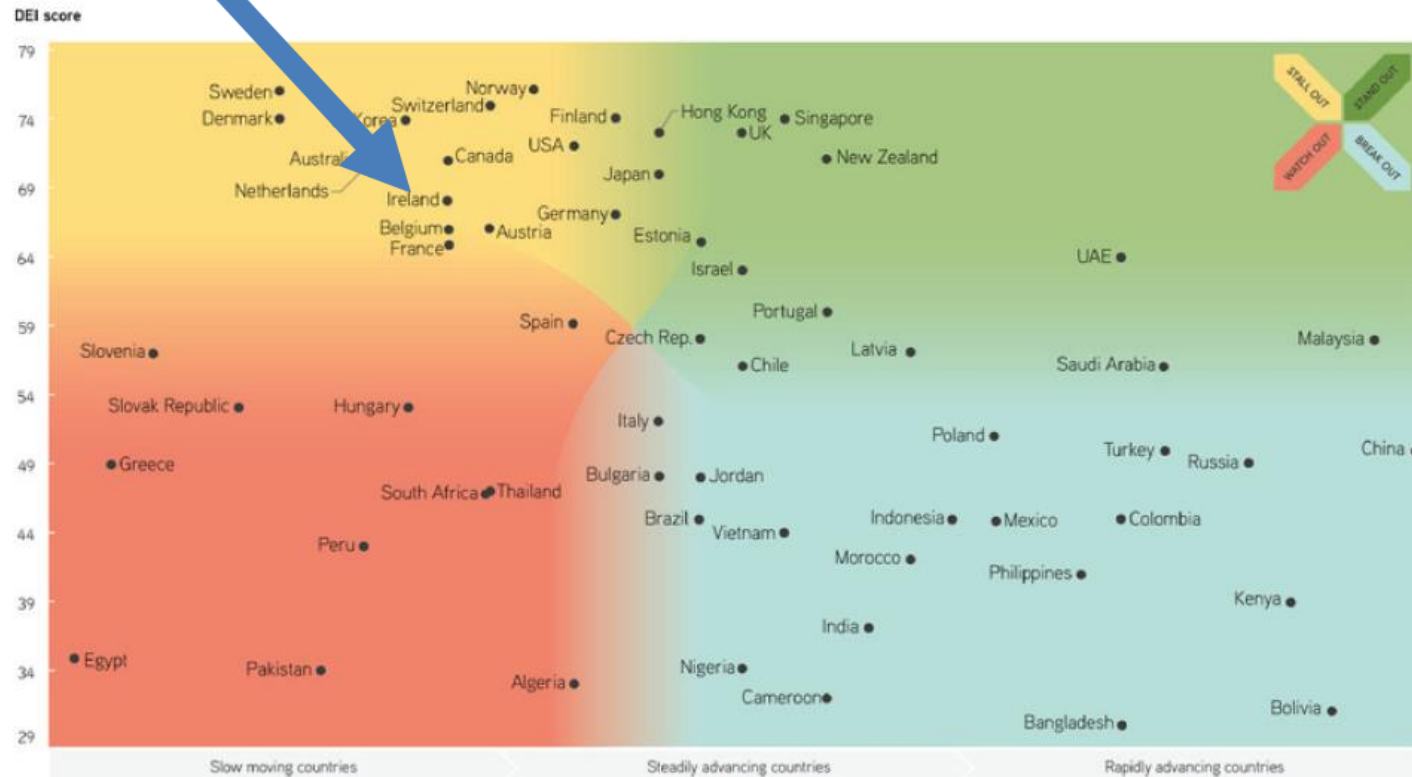
Public Services

5 Digital Public Services	Ireland		Cluster	EU
	rank	score	score	score
DESI 2018	10	64.7	63.0	57.5
DESI 2017	9	60.6	60.2	53.7

“Ireland ranks 10th in Digital Public Services with no significant change in the rankings. It achieves top ranking in Open Data and an almost perfect result in digital public services for businesses. When it comes to services aimed at and used by citizens, the results are less impressive”.

Key Takeaway #1: "Use Public Policy as Key to the Success of the Digital Economy"

THE BIG PICTURE: DEI CHART

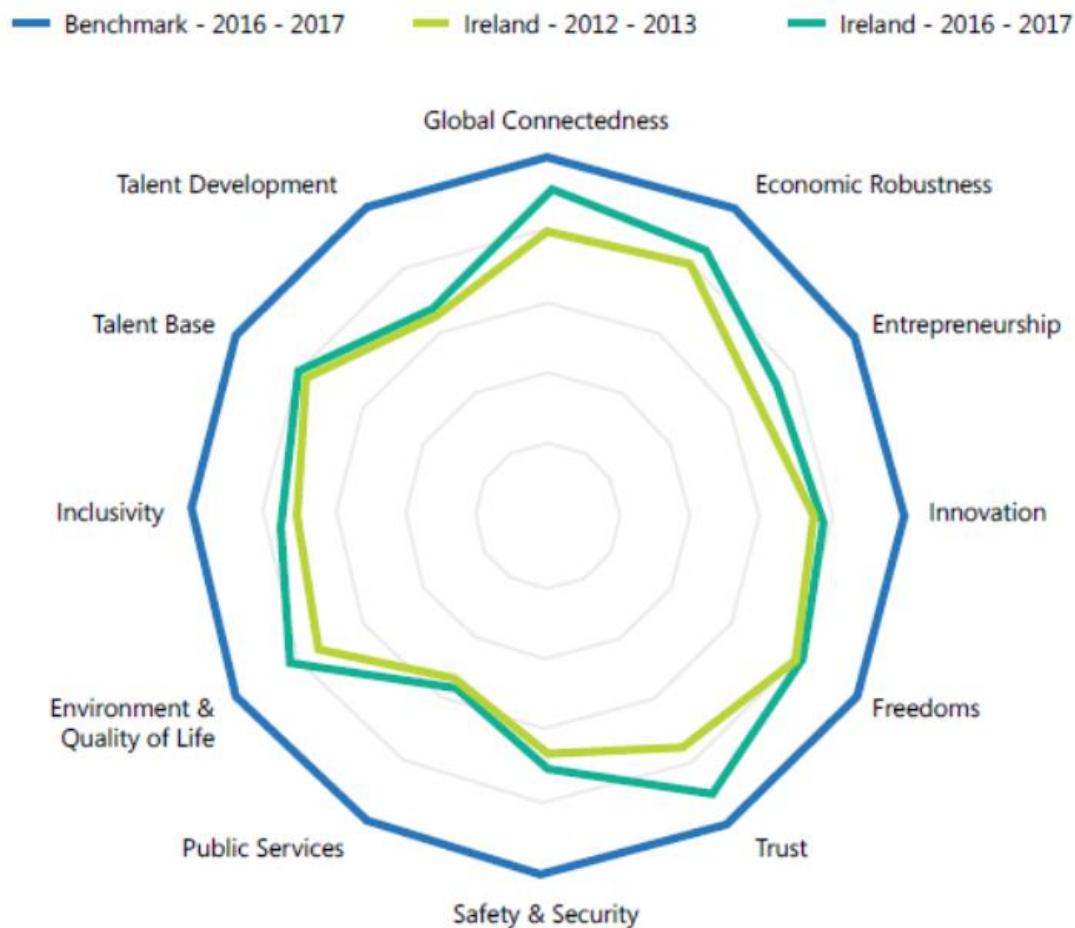


Fletcher School Digital Planet 2017 Report: How Competitiveness and Trust in Digital Economies Vary Across the World –

1. Supply Conditions
 2. Demand Conditions
 3. Institutional Environment
 4. Innovation & Change
- Digital Trust

Figure C: Irish Smart Society progress 2012-2017

Source: Digital Planet, The Fletcher School at Tufts University, May 2018



- Recommendation 1: **“Expand the scale, scope and reach of digital public services:** The digitisation of public services delivery is key to improving the sluggish demand sophistication that is holding Ireland’s digital momentum back.”.

The Strategies:

- Public Service ICT Strategy (2015)/eGovernment Strategy (2017)
- OPS2020 (2018)
- National Digital Strategy (2019)

The “Building Blocks” of Ireland’s Public Service ICT Strategy; and some key principles

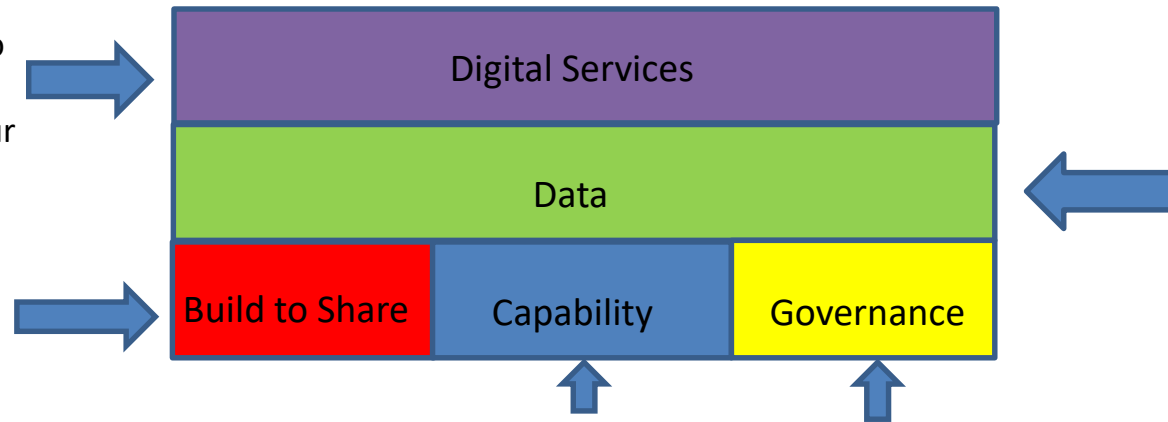
Our citizens should be able to access Government Services at a time and place convenient to them and using their device of choice.



Citizens should not have to tell us what we already know. But our use of their data should be appropriate and transparent.

All digital services should be consistent and easy to use. They should also reflect the diversity of our society.

Everyone running their own infrastructure is inefficient, ineffective, increases risk and obstructs data sharing.



Our ambitions are dependent on skills, competence and confidence amongst users, service providers, system builders and leaders. Good governance is essential to generate trust and confidence among all stakeholders.

We need to ensure that we maximise the value of our data, including historical.



Overview of the framework for *Our Public Service 2020*

Action 1: Accelerate Digital Delivery of Services

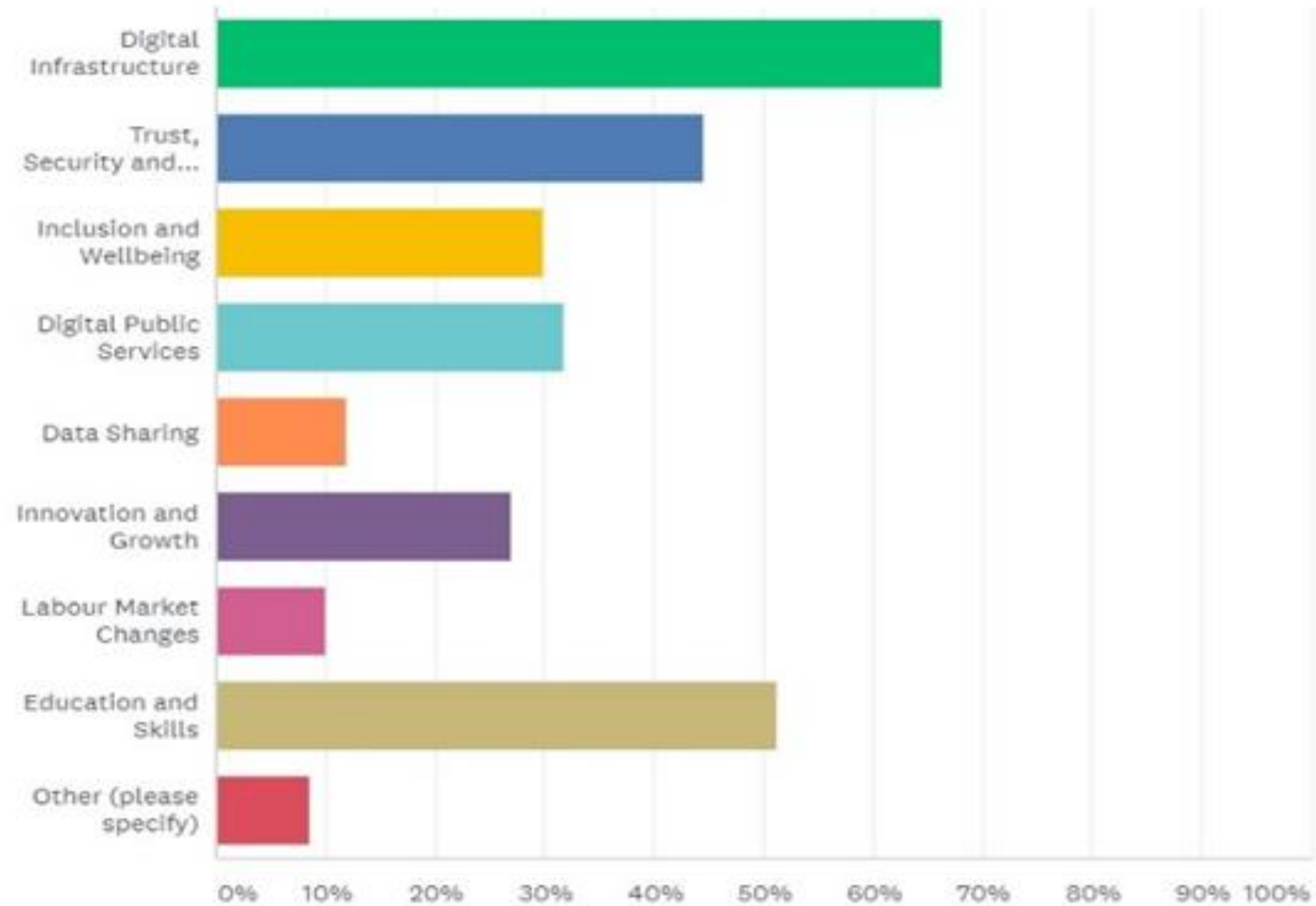


The Push Pull Tension

pushes and pulls - forces and motion



NDS Key Priorities (Public Consultation)



National Digital Strategy – Key Themes & Issues

Digital Foundations

- Connectivity (Fibre, 4G/5G – quality and sustainability/procurement)
- Cyber Security
- Regulation
- Open Data

Trust, Society and Well-being

- Education & Skills
- Digital Hubs/Libraries
- Informed Citizens & Trust
- Transparency & Responsibility in data usage
- Well-being & Inclusion
- Education, policy and technology to protect (e.g. fake news)

Effective Use of Digital by Citizens and Enterprise

- Digital Public Services (inclusive, Improved quality and consistency)
- Education (Capability & confidence of citizens/SMEs)
- Digital Security & Privacy and Data Protection
- Business Dynamism

Innovation and Economy

- Digital Economy Eco-System (Using Multi-National strengths to aid indigenous business, SME access to finance & R&D, Competency centres and Regional Development)
- Labour Market (Digital Transitioning & Regulating)
- Sectoral Issues (Inconsistent digital penetration, new areas and opportunities e.g. transport, taxation)



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“Enough with all the strategic planning.
Get out there and kill something.”

Thanks!

