

WORKSHOP: THE IMPACTS OF DIGITAL TRANSFORMATION ON INNOVATION ACROSS SECTORS

Dates: 21-22 September 2017

Location: London, Digital Catapult Centre

Organisers:



Innovate UK

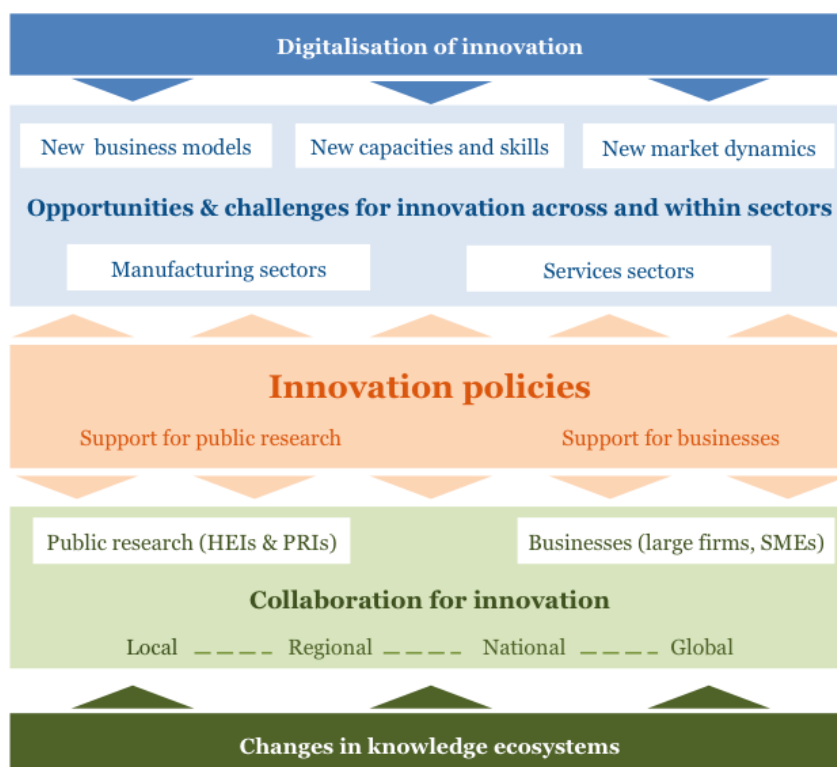


Introduction

Digital transformation is affecting the entire economy in multiple ways: new business models are emerging, firms modify how they engage in innovation processes, and capabilities at the heart of firms' activities are rapidly changing. This offers both opportunities and challenges for different actors in innovation ecosystems.

Such changes raise fundamental questions for policy: "What is the role of innovation policies in the digital transformation?" This is the objective of the OECD TIP project on Digital and Open Innovation (2017-18). Answering this question also requires understanding the new forms of innovation arising across and within sectors, and how these affect different actors (e.g. SMEs); as well as the characteristics of collaboration for innovation between industry and public research at local, national and global levels emerging in the new context.

Figure 1: The 2017-18 TIP Project on Digital and Open Innovation



Objectives of the workshop

This workshop will provide inputs to the TIP Digital and Open Innovation project by offering insights on:

- The changes in business models and innovation dynamics across sectors, and their impacts on different actors;
- The role of technology intermediaries in technology development and diffusion;
- The framework conditions and policy instruments needed to develop vibrant innovative ecosystems; and
- The role of smart cities in the new context, and their impacts on territorial inclusiveness;

AGENDA

Thursday, 21 September

Opening & Introduction to the workshop

9h30 – 10h00

- Welcoming from organisers
- Introduction to the workshop and objectives
- Tour de table
- Q&A

Initiatives in support of the digital transformation of the economy in the UK

10h00 – 10h30

- Presentation on public support to the digital transformation in the UK, including specifically activities of Digital Catapult
- Q&A

Panel 1: New business models and innovation dynamics across sectors

10h30-12h00

Questions to be addressed by the panel:

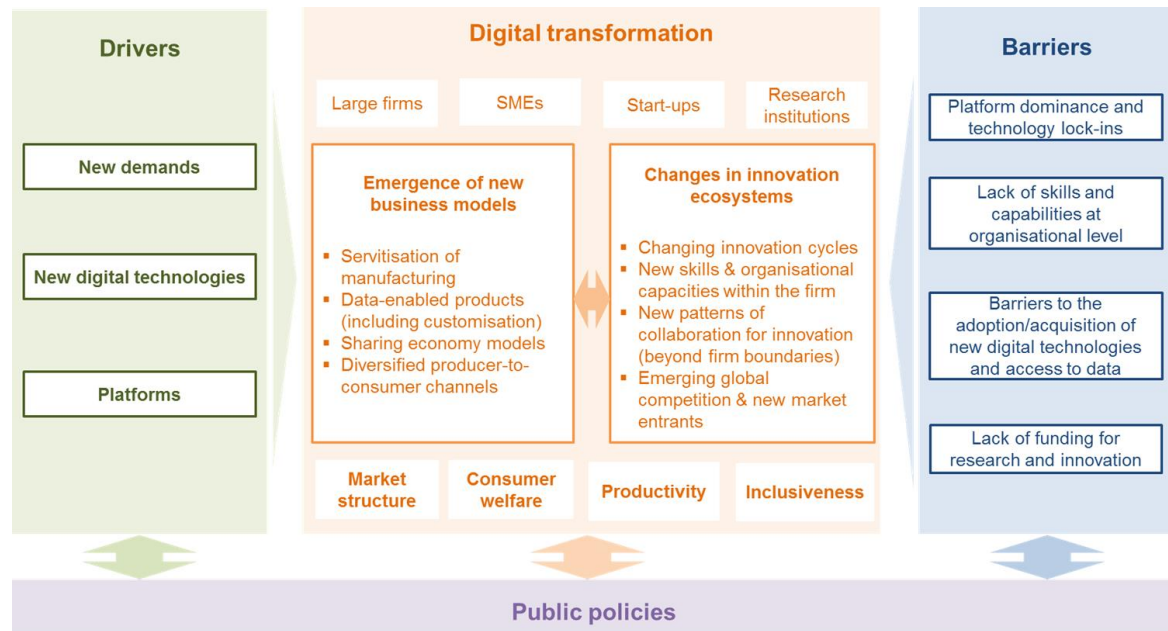
- What are new business models across sectors ranging from services to manufacturing?
- What are challenges and opportunities for different actors within those sectors, notably SMEs?
- What are impacts on innovation processes, including in particular new forms of collaborations?

Chair: Dominique Guellec, Head of Division, Directorate for Science, Technology and Innovation, OECD

Speakers:

- Prof. Tim Vorley, Associate Dean Impact, Innovation & Engagement, Sheffield University Management School
- Alistair Nolan, Senior Policy Analyst, Directorate for Science, Technology and Innovation, OECD
- Prof. Margherita Russo, Professor of Economic Policy, Università degli Studi di Modena e Reggio Emilia, Italy
- Dr. Zsolt Szalay, Associate Professor and Head of the Department of Automotive Technologies, Budapest University of Technology and Economics (BME), Hungary
- Charles Carter, Senior Intelligent Mobility Specialist, Transport Systems Catapult

Figure 2: Conceptual framework to compare business model changes and their implications on innovation



12h00 – 13h00 – Lunch

Panel 2: Smart cities and regions in the digital transformation: how to ensure inclusive developments?

13h00 – 14h30

Questions to be addressed by the panel:

- How can regional clusters best contribute to the digital transformation?
- Territorial inclusiveness: What role do dynamic urban and rural environments play in addressing the wider societal goals of sustainable development in the context of digital transformation?
- How can cities become smart cities? What role can policy play?
- Smart cities and living labs have been used to implement new technologies. Can they support a new way of designing policies?

Chair: Brian MacAuley, Lead Economist, Digital Catapult

Speakers:

- Ben Hawes, Smart Cities Policy Lead, Department for Digital, Culture, Media & Sport
- Nicola Yates, Chief Executive, Future Cities Catapult
- Dr. Ed Manley, Lecturer and Director of Research of the Bartlett Centre for Advanced Spatial Analysis, University College London
- Lee Omar, Founder and CEO, Red Ninja Studios

14h30 – 15h00 – *Coffee break*

Panel 3: Policies for technology development, diffusion and collaboration: What models facilitate the digital transformation?

15h00-16h30

Questions to be addressed by the panel:

- How can public research institutions best support the digital transformation?
- What are examples of public-sector-led technology development for the digital transformation? Why were those developments not done by the private sector? How did they take on board multi-disciplinarity?
- What programmes best facilitate technology diffusion? What are the challenges and obstacles to successfully implement those policies?

Chair: Caroline Paunov, Senior Economist, Directorate for Science, Technology and Innovation, OECD

Lead intervention: Tera Allas, Senior Fellow, McKinsey

Speakers:

- Peter Leihn, Business Development and Commercial Director, Data 61, Australia
- Joe Scarboro, Founder of Touchpaper, Co-founder of 3beards & Unicorn Hunt
- Jerry Sheehan, Chair of the TIP Working Party and Assistant Director for Policy Development, National Library of Medicine, NIH, United States [by WebEx]
- Christopher Haley, Head of New Technology and Startup Research, Nesta

Immersive Lab

16h30-18h00

Friday, 22 September

Panel 4: What policy framework conditions and instruments are needed to develop vibrant innovative eco-systems?

9h00 – 11h00

Questions to be addressed by the panel:

- What specific challenges should public policy address to enable the context of digital transformation?
- What are implications of different impacts across sectors, firms and geographic spaces on most suitable instruments at regional and national levels?
- What are business perspectives on the policy instruments needed in the context of digital transformation?

Chair: David Legg, Lead Specialist for Evaluation and Evidence, Innovate UK

Lead intervention: Prof. Jonathan Haskel, Professor of Economics, Imperial College London

Speakers:

- Wolfgang Crasemann, Head of Unit: Innovation Policy, Federal Ministry for Economic Affairs and Energy, Germany
- Felicity Burch, Head of Innovation and Digital, Confederation of British Industry (CBI), UK
- Roland Sommer, Managing Director, Platform Industry 4.0, Austria
- Marnix Surgeon, Deputy Head of Unit, European Commission
- Tim Page, Senior Policy Officer, Economic and Social Affairs Department Trade Union Congress (TUC), UK

11h00 – 11h30 – Coffee break

Wrap up and final discussions

11h30 – 12h15

12h15 – 13h00 – Lunch break

Discussions of the TIP Steering Group

13h00 – 15h00

Topics for discussion:

- Project terms of reference (TOR) following the June TIP Meeting
- Integration of inclusiveness and SDG-related policy objectives to the project
- Case studies: deciding on themes and templates & current proposals following the Venice discussions
- Next steps