How to leverage the **digital transformation**'s potential for **innovation and research?**

20 June 2018
Paris, OECD Conference Centre

OECD
BETTER POLICIES FOR BETTER LIVES

INTRODUCTION TO THE WORKSHOP

Caroline Paunov

OECD
BETTER POLICIES FOR BETTER LIVES

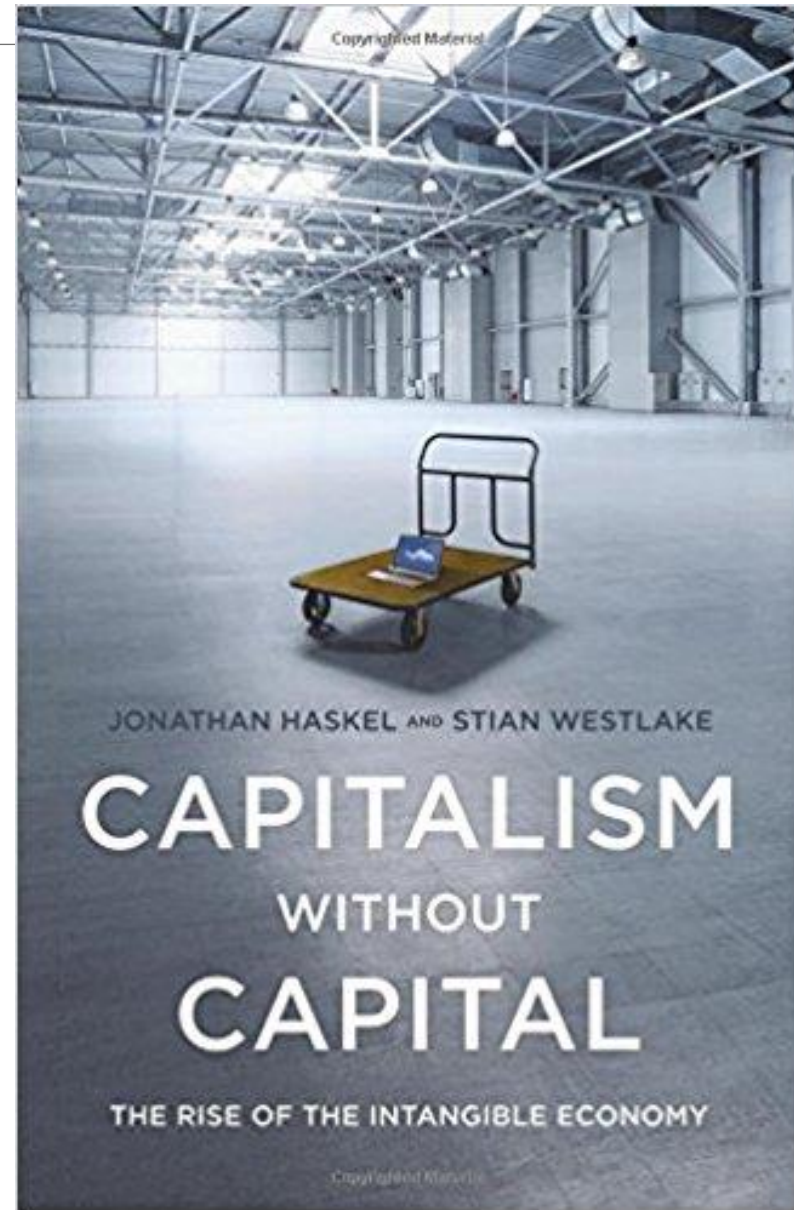# TODAY'S AGENDA

Prof. Jonathan Haskel, Professor of Economics at Imperial College Business School, Imperial College London

Session 2: Opportunities and barriers for research collaboration in the digital age

Questions to address

- To what extent has the digital transformation changed opportunities to engage in research activities related to innovation for different actors and places?

- Are changes similar across academic disciplines and industry sectors? What are the expected trends?

- Should policy intervene to ensure more widespread opportunities to innovate at the research stage?

- How does the digital transformation facilitate opportunities for extending research networks and collaborations with others?

Participants

- *Perspectives from TIP work*: **Dominique Guellec**, OECD

- *Speakers*:
  - **Peter Leihn**, Data61, Australia
  - **Medha Devare**, International Food Policy Research Institute
  - **Michaela Muruianu**, Digital Catapult, UK
  - **Jean-Michel Dalle**, Agoranov, France
  - **Claire Stolwijk**, TNO, the Netherlands
  - **Steven Drew**, InnoCentive

Session 3: Opportunities and barriers for developing and commercialising innovation in the digital age

Questions to address	**Participants**
• To what extent has the digital transformation changed opportunities for different actors to develop and commercialise innovations across different value chains?	• *Perspectives from TIP work*: **Sandra Planes**, OECD
	• *Speakers*:
• Are changes similar across actors and industries and in particular across agro-food, automotive/transportation and retail sectors?	— **Zoltán Cséfalvay,** Ambassador of Hungary to the OECD
	— **Frank Nagle,** Harvard Business School
	— **Ido Dor,** Evogene, Israel
	— **Manuel Davy**, Vekia
• What can policy do to ensure more widespread opportunities?	— **Eija Laineenoja,** Ministry of Economic Affairs and Employment, Finland
	— **Young-Jun Moon,** Korea Transport Institute (KOTI)

Session 4 / breakout groups: Policy implications

Breakout group 1 (room CC4)

Topic: Data access policies for innovation

Chair: **Jerry Sheehan**, Deputy Director, National Library of Medicine, National Institutes of Health, USA

Ice-breaker intervention: **Margherita Russo,** Professor, University of Modena and Reggio Emilia, Italy

Support: **Diogo Machado**, Junior Economist/Policy Analyst, OECD

Rapporteurs: **Jerry Sheehan** and **Margherita Russo**

Breakout group 2 (room MB2122)

Topic: Speedy and agile policies in the digital age

Chair: **Byeongwon Park**, Research Fellow, Center for Strategic Foresight, Science and Technology Policy Institute, Korea

Ice-breaker intervention: **Kai Husso**, Enterprise and Innovation Department, Ministry of Economic Affairs and Employment, Finland

Support: **Sandra Planes**, Junior Policy Analyst, OECD

Rapporteur: **Byeongwon Park** and **Kai Husso**

Breakout group 3 (room MB3122)

Topic: Investment in core technologies and the contributions of public research

Chair: **Agni Spilioti**, Director, Policy Planning Directorate, Ministry of Education, Research and Religious Affairs, Greece

Ice-breaker intervention: **Tiago Santos Pereira**, Head, Studies and Strategy Office, Foundation for Science and Technology, Portugal

Support: **Martin Borowiecki**, Junior Economist/Policy Analyst, OECD

Rapporteur: **Agni Spilioti** and **Tiago Santos Pereira**

Breakout group 4 (room MB5122)

Topic: IP and market competition in the digital age

Chair: **David Legg**, Lead Specialist, Economics, performance and strategy department, Innovate UK

Ice-breaker intervention: **Ana Nieto,** DG RTD-OECD Co-ordinator, Directorate-General for Research and Innovation, European Commission

Support: **Andrés Barreneche**, Policy Analyst, OECD

Rapporteur: **David Legg** and **Ana Nieto**

INTRODUCTION TO THE PROJECT

TIP Digital and Open Innovation project

Digitalisation of innovation

New innovation dynamics across and within sectors

Innovation policies for inclusive and sustainable growth

Public research   Science-industry linkages   Businesses

Collaborative innovation

Project timeline

Spring 2019:
Final project report & high level conference

Project kick-off

TIP meeting

June | Sept. | Dec. | April | Dec. 2018

January 2017

March

TODAY

TIP meeting

TIP meeting

TIP meeting

Workshop in Paris

Development of country case studies

Thematic work

Workshop Netherlands

Workshop in London

Workshop in Paris
20 June

9
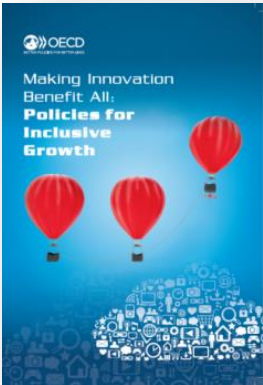
Overview of new project outputs

Policy framework
(DSTI/STP/TIP(2018)5)

Policy collection exercise
(DSTI/STP/TIP(2017)5/REV2)
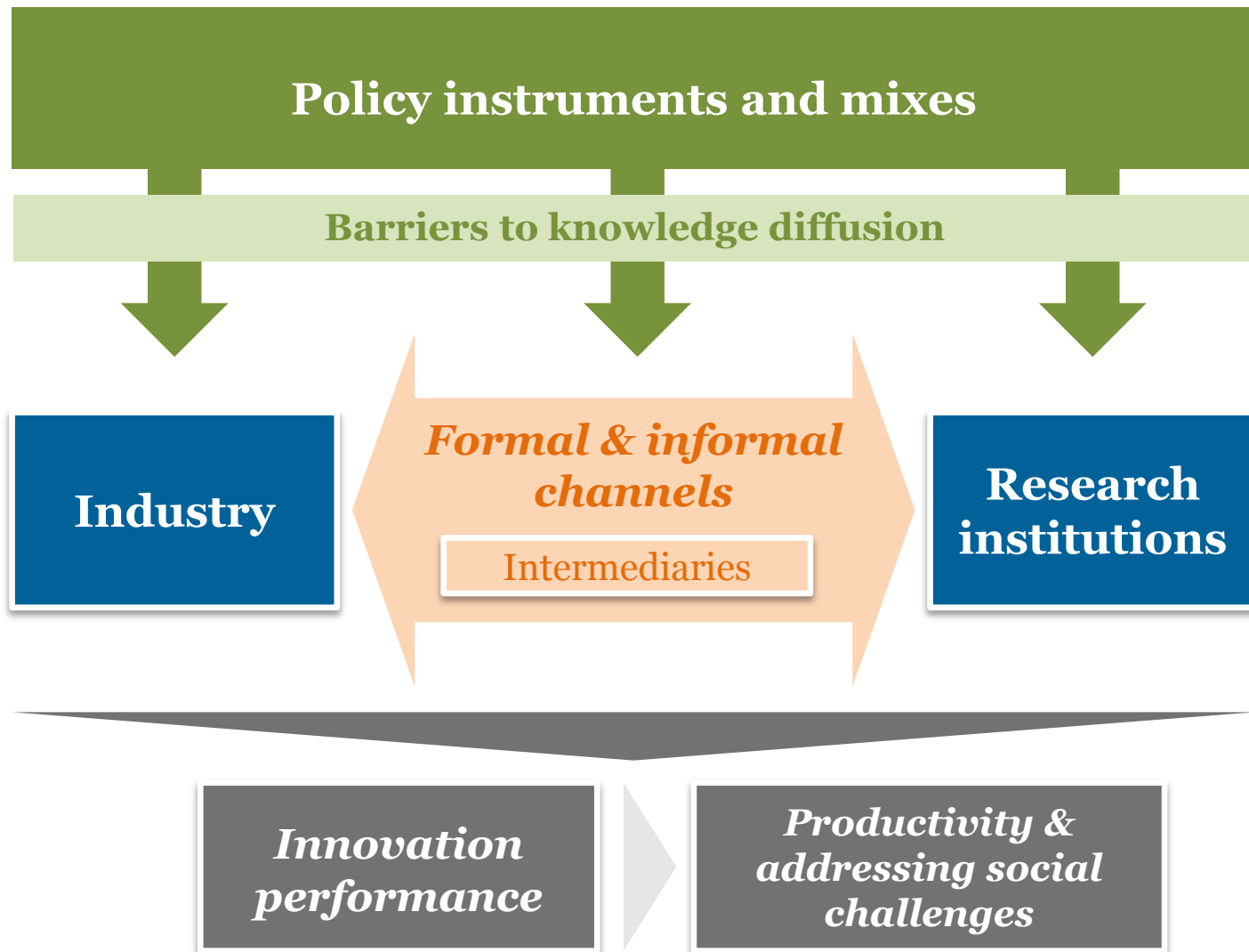
Cross-sectoral analysis
(DSTI/STP/TIP(2018)6)

Automotive sector analysis
(DSTI/STP/TIP(2017)3/REV2)

Case studies

Workshop proceedings & brochures

Synergies with TIP project on knowledge transfer

What in your view is the **main change** brought by the digital transformation on innovation?

Possible answers:

1. Data is core input for innovation

2. Speed of innovation is larger

3. Innovation is more collaborative than before

4. There is more uncertainty than before

5. There is more service innovation than before

AI will bring fundamental changes to our economies and societies. Do you think **governments are prepared to deal with AI** so that benefits are maximised and damages are avoided?

Possible answers:

1. Yes
2. No

Question 3

In your opinion, which of the following is the most important **challenge preventing firms from leveraging digital innovation**?

Possible answers:

1. Data collection, ownership and analysis
2. Need to set up collaborations for effective data exploitation
3. Platform economy competition & entry conditions
4. Regulatory uncertainty
5. Consumer resistance to new processes & products