

WORKSHOP

“STIMULATING KNOWLEDGE TRANSFER: CHALLENGES AND POLICY RESPONSES”

Lisbon, 7-8 November 2017



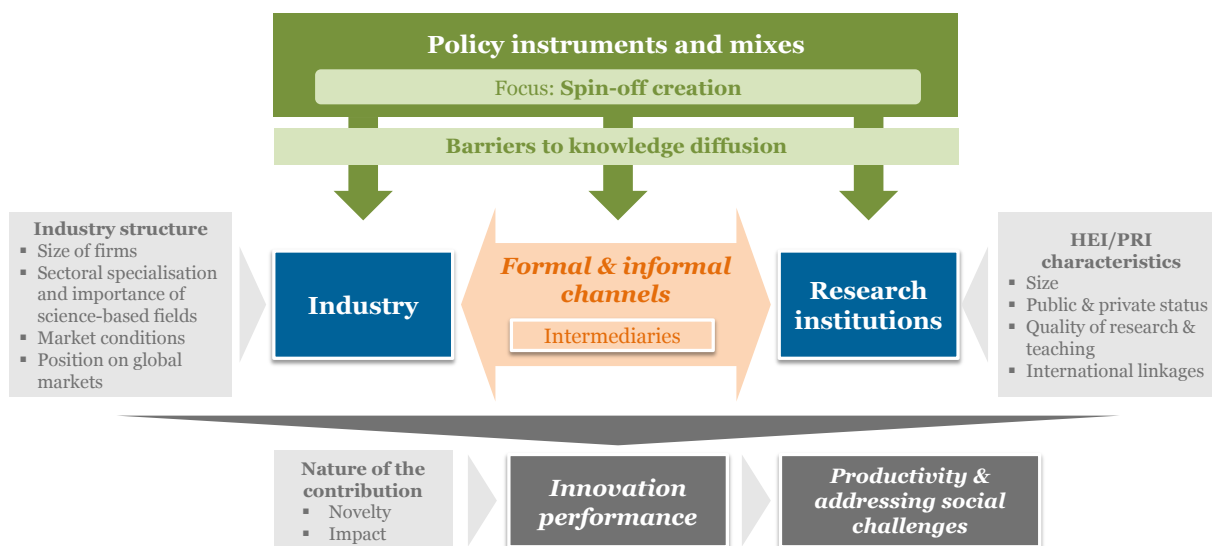
Location: Teatro Thalia, Estrada das Laranjeiras 205, Lisbon, Portugal

Introduction

Countries are increasing efforts in stimulating knowledge transfer between universities and the private sector, as a way of fostering innovation-driven growth. While there has been much experimentation in the policy approaches used to enhance science-industry linkages, there is little evidence on what policy instruments and combinations (or policy mixes) are most appropriate to enhance knowledge transfer.

This workshop will be an opportunity to address key questions in this regard. It will gather representatives from academia and policy-making bodies from Portugal and members from the OECD Working Party on Innovation and Technology Policy (TIP) to discuss and exchange perspectives on knowledge transfer policies and impacts in different contexts.

Figure 1: The 2017-18 TIP project on assessing the impacts of knowledge transfer and policy



Objectives of the workshop

This workshop will provide inputs to the OECD Innovation Policy Reviews as well as the TIP project on “Assessing the impacts of knowledge transfer and policy” project by offering insights on:

- How the **institutional context** of higher education institutions affects knowledge transfer
- How knowledge transfer is best supported in context of **non-high tech industries**
- How to capitalise on the international and intersectoral **mobility of human capital**

The workshop will also serve as an opportunity to discuss how to best explore synergies between the TIP thematic work and the country reviews. Perspectives from the ongoing country review of Portugal will contribute to the discussion.

DRAFT AGENDA

Tuesday, 7 November

Opening and introductory presentations

9h30 – 10h30

Opening of the workshop:

- **Manuel Heitor**, Minister of Science, Technology and Higher Education, Government of Portugal [subject to change depending on priorities on his agenda]
- **Dominique Guellec**, Head of Division, Directorate for Science, Technology and Innovation, OECD
- **Helena Pereira**, Vice-President, Foundation for Science and Technology (FCT), Portugal

Introduction to the workshop organised in the context of the TIP project on “Assessing the impacts of knowledge transfer and policy” and the OECD Innovation Policy Review of Portugal:

- **Caroline Paunov**, Senior Economist at the OECD's Directorate for Science, Technology and Innovation.
- Q&A

Panel 1: Challenges to the stimulation of technology transfer in Portugal

10h30-12h30

Chair: **Helena Pereira**, Vice-President, Foundation for Science and Technology (FCT), Portugal

Presentation of the ongoing Innovation Policy Review of Portugal by **Dominique Guellec** (Head of Division, OECD) and **Philippe Larrue** (Policy Analyst, OECD)

Perspectives on knowledge transfer and the Innovation Policy Review from Portugal:

- **José Luis Encarnaçãõ**, Coordinator, International Follow-up and Assessment Commission of the Collaborative Laboratories, Portugal
- **José Manuel Mendonça**, INESC-TEC Associate Laboratory
- **Guy Villax**, CEO, Hovione
- **Elvira Fortunato**, Director, I3N/CENIMAT
- **Isabel Caetano**, Board Member, National Innovation Agency (ANI)

Q&A

12h30 – 13h30 – Lunch

Panel 2: Science, innovation and knowledge transfer in a diversified higher education landscape

13h30-15h00

Questions to be addressed by the panel:

- How to best organise science and higher education and their relations with industry, in a configuration where research universities (driven toward excellence but under mounting pressure to also produce useful research-based innovation) coexist with universities of applied research (i.e. 'polytechnics', expected to engage in practice-based research and professional development, with close relationships with local communities and SMEs, in particular through innovation)? What division of labour between institutions works best? What are opportunities for synergies?
- What best practice examples exist in Portugal and abroad?

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

Speakers:

- **Haakon Kobbenes**, Senior Advisor, Ministry of Education and Research, Norway
- **Etienne Choupay**, Project Coordinator, Innovation Division, Ministry of the Economy, Development and Tourism, Chile
- **Eduardo Beira**, Program for the Modernization and Valorisation of the Polytechnic Higher Education
- **Sara Paulina Monteiro**, S&T Manager, InPaCTus, Raiz Research Centre, The Navigator Company
- **Haio Harms**, Executive Board member, Christian Doppler Forschungsgesellschaft (CDG), Austria
- **Jari Hyvärinen**, Senior Adviser, TEKES – Finish Funding Agency for Innovation, Finland

Commentator:

- **Isabel Ferreira**, Professor, CIMO, Bragança Polytechnic Institute

15h00 – 15h30 – *Coffee break*

Panel 3: International and intersectoral mobility of human resources

15h30-17h00

Questions to be addressed by the panel:

- How to attract, retain and support the evolution of the best human resources and young researchers so that they best contribute to the country development? How can this be done in a context of limited public budgets and limited private sector recruitment of highly qualified human resources?
- How can trained human resources be used more effectively to support competitive science-based industries? Is creating more opportunities for spin-offs created by PhDs and researchers an option? What about the role of intermediary institutions that serve as conduits of knowledge sharing between industry and science?

Chair: **Philippe Larrue**, Policy Analyst, Directorate for Science, Technology and Innovation, OECD

Speakers:

- **Luísa Loura**, Director General, Directorate-General for Statistics on Education and Science (DGEEC), Portugal
- **Sarah Parks**, Senior Analyst, RAND Europe
- **Pedro Teixeira**, Director, Centre for Research on Higher Education Policies, Portugal
- **Ana Correia**, DG Research and Innovation, European Commission
- **Rodrigo Maia**, Chief Technology Officer, Altran
- **Dirk Meissner**, Deputy Head and Professor, Research Laboratory for Science and Technology Studies, National Research University - Higher School of Economics, Russian Federation

Commentator:

- **Agni Spilioti**, Director, Policy Planning Directorate, General Secretariat for Research & Technology, Ministry of Education, Research and Religious Affairs, Greece

20h00 – Dinner

Wednesday, 8 November

Panel 4: Knowledge transfer to ‘non high-tech’ industry and services and companies with low absorptive capacities

9h30-11h00

Questions to be addressed by the panel:

- How to initiate a virtuous circle between the demand for innovation and the offer of innovative solutions in an environment where most industries and companies have a low absorptive capacity and, even more, no formalised demand for innovation?
- How can public support trigger such virtuous circle?
- More research spinoffs can help where industry is not prepared for research uptake. How can policy support their creation?

Chair: **José Guimón**, Associate Professor, Autonomous University of Madrid

Speakers:

- **Agni Spilioti**, Director, Policy Planning Directorate, General Secretariat for Research & Technology, Ministry of Education, Research and Religious Affairs, Greece
- **Vítor Corado Simões**, Professor, Lisbon School of Economics and Business
- **Sophie Viscido**, Policy Officer, European Association of Research and Technology Organisations (EARTO)
- **João Paulo Dias**, Pedro Nunes Institute
- **Joana Mendonça**, Assistant Professor, Instituto Superior Técnico, University of Lisbon

Commentator:

- **Tiago Rebelo**, Head of Aerospace and Ocean Engineering, CEIIA

11h00 – 11h15: Coffee break

Panel 5: What is the right policy mix for knowledge transfer?

11h15-12h30

Questions to be addressed by the panel:

- What is the optimal policy mix for knowledge transfer? How can the different policy instruments available to policy makers to support knowledge transfer?
- What factors are critical to understand synergies and possible conflicting effects across these instruments? What social and economic conditions of countries and regions influence the possible impacts of these policies?
- What role can knowledge intermediaries play in supporting knowledge transfer?

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

Speakers:

- **Margarida Fontes**, Researcher, National Laboratory for Energy and Geology, Portugal
- **Brian MacAulay**, Lead Economist – Business Performance, Modelling and Evaluation, Digital Catapult, UK
- **Francisco Vilhena da Cunha**, Tekever
- **Areti Gkypali**, Research Fellow, Warwick Business School
- **José Carlos Caldeira**, President, National Innovation Agency (ANI)

Wrap up of the workshop

12h30-12h45

Main takeaways from the discussions regarding knowledge transfer