



Boosting knowledge transfer between science and industry: New models and business practices

Introduction to today's workshop

Caroline Paunov

Science and Technology Policy Division
Directorate for Science, Technology and Innovation

Paris, 14 March 2017



Science and industry interact in diverse ways

Direct channels

- Collaborative research
- Contract research
- Academic consultancy
- IP transactions
- University spin-offs
- Labour mobility

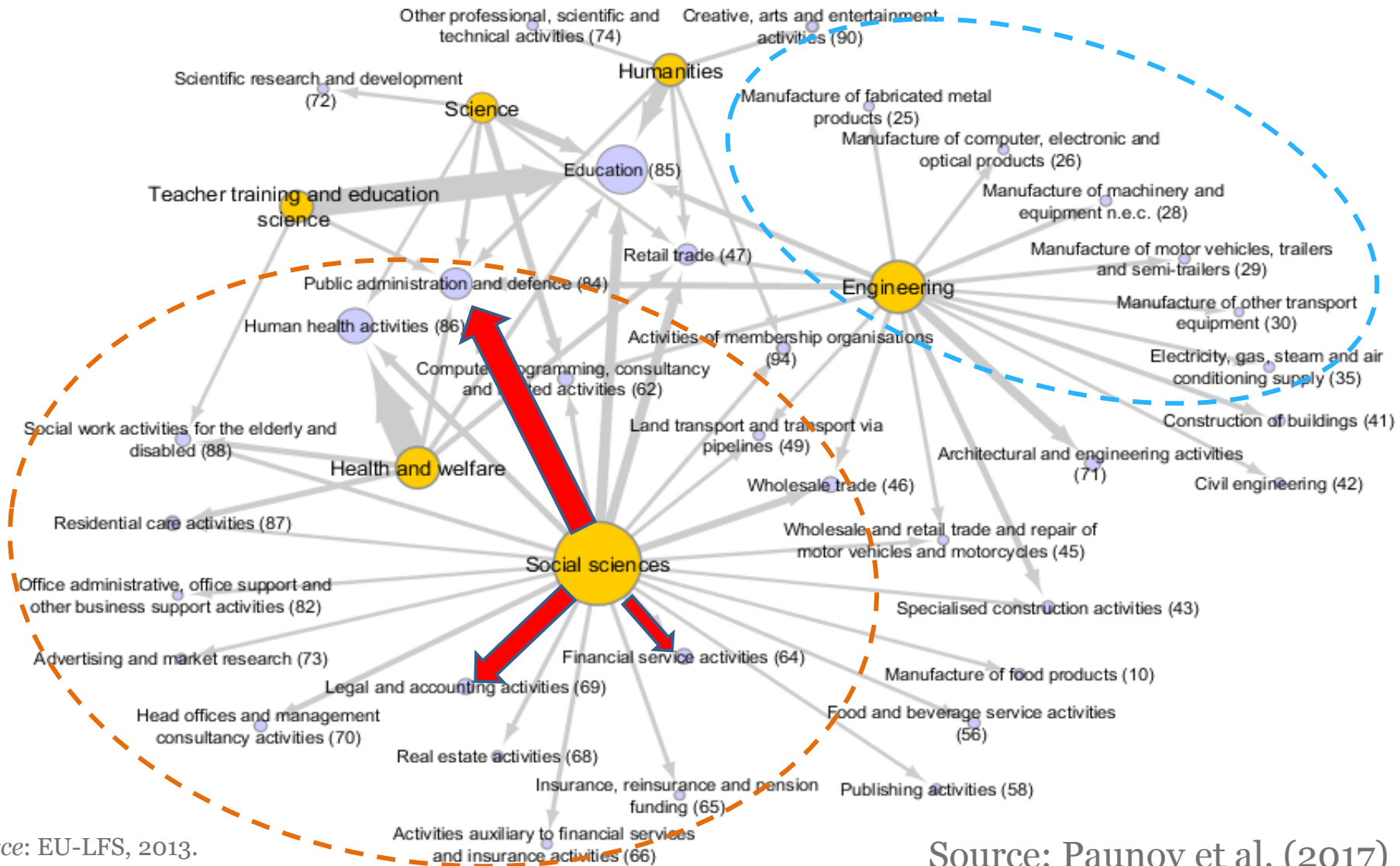
Indirect channels

- Publication of research results in scientific journals
- Conferencing & networking
- Facility sharing
- Continuing education





There are large differences across industry sectors and disciplines



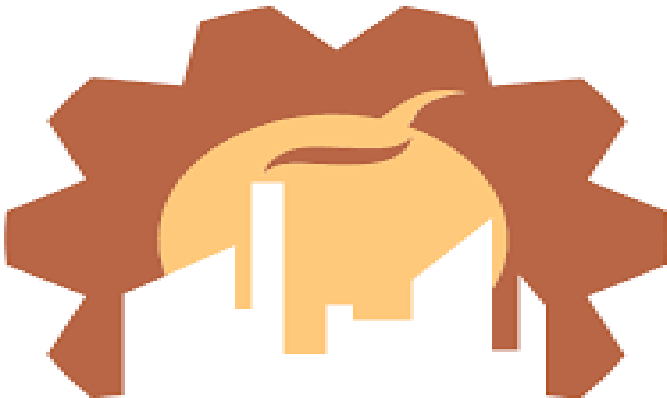
Source: Paunov et al. (2017)

New advanced experiments in knowledge transfer





The business perspective to the issues



Policy lessons





Policy questions addressed at the workshop

- What **new innovative experiments** successfully boosted knowledge transfer?
- What are **business perspectives** on partnerships with science and how do they support collaboration?
- What are **the lessons for policy**?



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CSTP-TIP Workshop:

Boosting knowledge
transfer between science
and industry:

**New models and
business practices**

14 March 2018

Paris, OECD Conference Centre





Agenda of workshop

14 March 2018

9h30 - 10h00: Introduction

10h00 - 11h15: Panel 1

Advanced experiments in
knowledge transfer

11h45 – 13h00: Panel 2

Business perspectives on
knowledge transfer

14h30 – 16h00: Break-out sessions

Recent experiences and policy
lessons

16h30 – 18h00: Panel 3

Knowledge transfer policies:
lessons learnt and future
perspectives



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Panel 1: Advanced experiments in knowledge transfer



Questions to address

- What are **new instruments** and **emerging practices** implemented to foster knowledge transfer between science and industry?
- In what ways should **traditional policy instruments** be adjusted in order to better respond to emerging challenges?



Participants

- Chair: **Bruno Rostand**, Université Paris Sciences et Lettres, France
- Speakers:
 - **Haio Harms**, Christian Doppler Forschungsgesellschaft, Austria
 - **Maylis Chusseau**, SATT - Aquitaine Science Transfert, France
 - **Byeongwon Park**, Science and Technology Policy Institute, Korea
 - **Markus Wilkens**, Photonics21, Germany



Panel 2: Business perspectives on knowledge transfer



Questions to address

- What role do **collaborations with universities** play for business?
- How is this role likely to evolve in the future in the context of the **digital transformation** and other market trends?
- What are the **key challenges** in for successful university-industry collaboration and how can policy-makers help?
- Have businesses identified **particular mechanisms** or policies which work/does not work well?



Participants

- Chair: **Lars Frølund**, Aarhus University, Denmark, and Massachusetts Institute of Technology, United States
- Speakers:
 - **Max Riedel**, Siemens, Germany
 - **Søren Bregenholt**, Novo Nordisk, Denmark
 - **Alberto Lopés-Oleaga**, Ferrovial, Spain
 - **Philippe Roy**, Cap Digital, France



Break out groups: Recent experiences and policy lessons



Objective: Discuss recent experiences in countries and policy lessons learnt.

Starting point: recommendations made in the [OECD 2002 report](#) on "Benchmarking Industry-Science Relationships"



Questions to address

- To what extent have these **recommendations** been successfully implemented in countries?
- Are these recommendations still **up to date**?
- **What new policy lessons are suggested by the recent experience of countries?**



Breakout group 1 (room MB1122)

Topic: Policies for knowledge transfer targeted at the public research side

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

Ice-breaker intervention: **Wolfgang Polt**, Director, Institute for Economic and Innovation Research, Joanneum Research, Austria

Group discussion

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

Breakout group 2 (room MB3122)

Topic: Policies for knowledge transfer targeted at the business side

Chair: **Ian Hughes**, Senior Policy Advisor, Department of Jobs, Enterprise and Innovation, Ireland

Ice-breaker intervention: **Agnès Estibals**, Deputy Director, Science Technology and Innovation economics, Department of Business, Energy and Industrial Strategy (BEIS), UK

Group discussion

Support: **Sandra Planes**, Junior Policy Analyst, OECD; **Teru Koide**, Economist, OECD

Breakout group 3 (room MB4122)

Topic: Policies for knowledge transfer targeted at the business side

Chair: **Benat Bilbao-Osorio**, Senior Economist, European Commission

Ice-breaker intervention: **Chris Cannizzaro**, Foreign Affairs Officer, US Department of State, and vice-chair of the CSTP

Group discussion

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

Breakout group 4 (room CC6)

Topic: Policies for knowledge transfer targeted at the public research side

Chair: **Patrick Monfray**, Deputy Director of Strategy, Research and Innovation Service, Ministry of Higher Education, Research and Innovation (MESRI), France

Ice-breaker intervention: **Yongsuk Jang**, Senior Research Fellow, Science and Technology Policy Institute (STEPI), Korea

Group discussion

Support: **Diogo Machado**, Junior Economist/ Policy Analyst, OECD; **Blandine Serve**, Statistician, OECD



Panel 3: Knowledge transfer policies: lessons learnt and future perspectives



Questions to address

- *What have we learnt over the past two decades on **what works and what does not work** with regards to knowledge transfer?*
- *How does the **changing context** (e.g. digital transformation, globalisation) impact on the effectiveness of existing policy instruments?*
- ***Should policy measures be revised** in view of such changes?*
- *What are **future perspectives** for knowledge transfer policies?*



Participants

- Chair: **Göran Marklund**, VINNOVA, Sweden
- Speakers:
 - **Prof. Mathias Fink**, ESPCI Paris and Langevin Institute, France
 - **Prof. H. Kotera**, Kyoto University, Japan
 - **Anne Kjersti Fahlvik**, Norwegian Research Council, Norway
 - **Ryan Hampel**, Innovation, Science and Economic Development, Canada



Further information and contact

The **summary of the workshop discussions** and all presentations will be available at:
<https://www.innovationpolicyplatform.org/workshop-boosting-knowledge-transfer-between-science-and-industry-new-models-and-business-practices>

OECD impact assessment of knowledge transfer and policies project:
<https://www.innovationpolicyplatform.org/impact>

OECD Working Party on Innovation and Technology Policy (TIP) website:
<https://www.innovationpolicyplatform.org/CSTP/TIP>

*Contact: **Caroline Paunov**,
Caroline.Paunov@oecd.org*

