

# "The Role of R&D in Fostering Economic Performance: Lessons from Research and Implications for Finland"

Seminar organised jointly by:  
Ministry of Economic Affairs and Employment of Finland (MEAE)  
Organisation for Economic Cooperation and Development (OECD)

1 December 2016, at 8:30–17:30, Radisson Blu Seaside Hotel, Helsinki/Finland

## PROGRAMME

**8:30–9:00** Coffee, snacks

**9:00–9:10** Welcome and the Agenda of the Day  
**Kai Husso**, Chief Planning Officer, MEAE and  
**Gernot Hutschenreiter**, Head of Country Innovation Policy Reviews, OECD

**9:10–9:30** Enhancing Economic Performance through Innovation Policy in Finland  
**Olli Rehn**, *Minister of Economic Affairs (Finland)*

**SESSION 1A** Chair: **Pluvia Zuniga**, *Innovation Economist*, OECD

**9:30–10:00** The Conceptual Framework: What R&D Does (and Does Not) and What We Should Expect from R&D Policy  
**Pierre Mohren**, *Professor*, UNU MERIT - Maastricht University

**10:00–10:30** The Effects of R&D on Productivity and Growth – What the Evidence Says?  
**Bronwyn Hall**, *Professor*, University of California, Berkeley

**10:30–10:50** Productivity Dispersion and Growth  
**Mika Maliranta**, *Professor*, University of Jyväskylä

*Issues to be addressed: What are the established findings at the macro and micro levels? What are the social rates of return and how do they differ across countries? What do we know about spillovers? What are the main factors explaining returns to R&D across countries? What is the impact of public and private R&D funding and how they influence each other? Which factors (policy and institutional settings) help increase the impact of public R&D?*

**10:50–11:00** Stretch break

**SESSION 1B** Chair: **Gernot Hutschenreiter**, OECD

**11:00–11:30** Productivity growth and intangibles: how does Finland compare?  
**Jonathan Haskel**, *Professor*, Imperial College London

**11:30–11:50** Growth from Data-Driven Innovation  
**Heli Koski**, *Head of Unit*, Research Institute of the Finnish Economy ETLA; *Research director*, Aalto University

*Issues to be addressed: What are the main conditions and factors that moderate the impact of R&D (at the macro and micro levels)? What does the evidence and practice say about the importance of framework conditions for R&D returns? What are the contributions of R&D vis-à-vis non R&D intangibles? Are there any synergies with ICT investment and other intangibles and how important these effects are? Are these effects equal across industries and countries? What is the role of internationalisation and how does it affect R&D returns?*

**11:50–12:10** The Importance of R&D for Growth and Well-Being: Closing the Morning Session  
**Sanni Grahn-Laasonen**, *Minister of Education and Culture (Finland)*

**12:10–13:10** Lunch

**SESSION 2** Chair: **Kai Husso**, MEAE

**13:10–13:40** Evaluating Finland's science, research & innovation capacity  
**Reinhilde Veugelers**, *Professor, Catholic University of Leuven*

**13:40–14:10** Research & Innovation Policy: Finland in the Age of Austerity  
**Petri Rouvinen**, *Managing Director, Research Institute of the Finnish Economy ETLA*

**14:10–14:40** Industrial Innovation is in Transition; What about Innovation Policies?  
**Erkki Ormala**, *Professor of Practice, Aalto University*

*Issues to be addressed: How to address productivity stagnation and need for new sources of growth more effectively through R&D and innovation? What are the main areas of improvement in European and Finnish innovation systems? What are the findings from recent policy changes (e.g. upscale of public-private partnerships for innovation; more strategic approaches and policy mixes)? The session will also discuss obstacles to R&D and innovation investments as well as factors hindering public-private interaction and the impact of public R&D. On the same day, a report about the impact of R&D in the business sector (by ETLA) will be published.*

**14:40–15:10** Coffee break

**SESSION 3** Moderator: **Erik Arnold**, *Chairman, Technopolis Group*

**15:10–16:10** Panel Discussion on the Impact of R&D on the Economy and Society: Key Lessons and Policy Implications  
**Dominique Guellec**, *Head of the Science and Technology Policy Division, DSTI/OECD*  
**Hannu Kemppainen**, *Director, Finnish Funding Agency for Innovation TEKES*  
**Heikki Mannila**, *President, Academy of Finland*  
**Jyrki Ovaska**, *Executive Vice President, Technology, UPM-Kymmene Corporation*  
**Sylvia Schwaag Serger**, *Executive Director, VINNOVA (Sweden)*

*The panel discusses the role of R&D in the economy and society in general, and identifies core messages for today's research and innovation policy. The panel reviews key findings from research and vital lessons of the day.*

**16:10–16:20** Wrapping up the Day  
**Dominique Guellec**, OECD

**16:20–17:30** Cocktails