

A photograph of three people in a meeting. A man in a blue shirt is on the left, seen from the back. A woman with blonde hair in a dark suit is in the center, holding a white cup. A woman with dark hair in a black top is on the right, holding a plate with a small dessert. They are in a brightly lit room with a rack of clothes in the background.

# Research, Technology and Innovation

Erkki Ormala

Aalto University, Business School

# University Cooperation Nokia experience

- **Complementary competence and excellence**
  - **Genuine commitment for knowledge sharing/trust**
  - **Collaboration platforms/joint campus presence**
  - **Mobility of research personnel**
  - **R&D/recruitment/education all involved**
  - **Transparent management and collaboration rules**
  - **Fair rules for IPR ownership and use (patent trolls, Bayh-Dole Act, first-to-invent principle)**
  - **Reformed reward and incentive systems**
-

# From R&D to Markets

## EU:

- Good, but fragmented scientific performance; declining industrial R&D
- Insufficient innovative performance (lack of VC and gaps in the single markets)
- Increasing competition from outside
- Low interest in science and engineering (skill shortages)
- Regulatory burden (privacy rules)

## US:

- Favourable market conditions
- Access to VC
- Ability to attract global talents
- Free flow of data
- Regulatory barriers (limited access to the net)
- 'Buy American Act'

**Thank you**



# EU project 'Industrial Innovation in Transition' 2015-2017

**Horizon 2020: 'The European Growth agenda'; 2.5 million €**

- Research partners:
  - Aalto University, University of Twente, University of Manchester, Joanneum Research Center, Zapala Innovation Consulting
- 11 Countries and 800 companies will be covered; the OECD and the ERT involved

**The study is aimed at improving the innovation performance of European companies and the effectiveness of innovation policy instruments in order to generate new growth and jobs for Europe:**

- To examine the innovation process management of the European companies. How well the modern innovation tools have been adopted and what are the experiences of their use
- To examine what are the key differences in various industries and adapts the best management practice to reflect the sectorial differences
- To examine how well the current innovation policy tools are able to respond to the changing industrial innovation
- To develop a research methodology that can be used by the Member States, Industrial Federations and the Commission for studies which allow them to check whether their innovation promotion portfolio is responding to the current needs of the industrial innovation