



Impacting with research on European level and from ERA perspective

Petteri Kauppinen,
Councillor

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Ministry of Education and Culture
Ministère de l'Éducation et de la Culture



Maximising the impact of EU R&I Programmes

LAB-FAB-APP, Independent HLG (Lamy Group), July 2017

- Vision and strategic recommendations to maximise impact of future EU R&I programmes
- Based on the interim evaluation of Horizon 2020
- Need for research (LAB), innovation (FAB), applications (APP)

Maximising the impact of EU R&I Programmes

4. Design the EU R&I programme for greater impact

- EU R&I programme should focus on purpose and impact
- Three pillars “science and skills”, “innovation and competitiveness” and “global challenges”.
 - better connected
 - open science and innovation as common threads
 - fine-tune the proposal evaluation system
 - increase flexibility

Maximising the impact of EU R&I Programmes

5. Adopt a mission-oriented, impact oriented focus

- EU should not spread its R&I investments too thinly
- Prioritise areas where EU added value is greatest
- Limited number of large-scale R&I “missions”
 - define expected impacts across a portfolio of activities
 - easy to communicate benefits of future programmes
 - actions across disciplines, sectors and institutional silos
 - open to all actors, non-prescriptive calls, partnerships

Maximising the impact of EU R&I Programmes

Examples of potential missions

- plastic litter-free Europe
- understanding and enhancing the brain
- producing steel with zero carbon
- making 3 out of 4 patients survive cancer
- building and operating first quantum computer

Impact of research

Informal EU Competitiveness Council, July 2017

- Pres. Heikki Mannila, Academy of Finland
- Different roles of science and research
 - Science and research serve as a basis for
 - our understanding of the world
 - improving wellbeing, wealth and prosperity
 - decision-making: science for policy
 - development of professional practices
- Different routes of research impact
 - Transfer of research results - results move
 - Cooperation and interaction - ideas move
 - Through educated, competent people - people move
- Stress quality, innovativeness, curiosity, openness

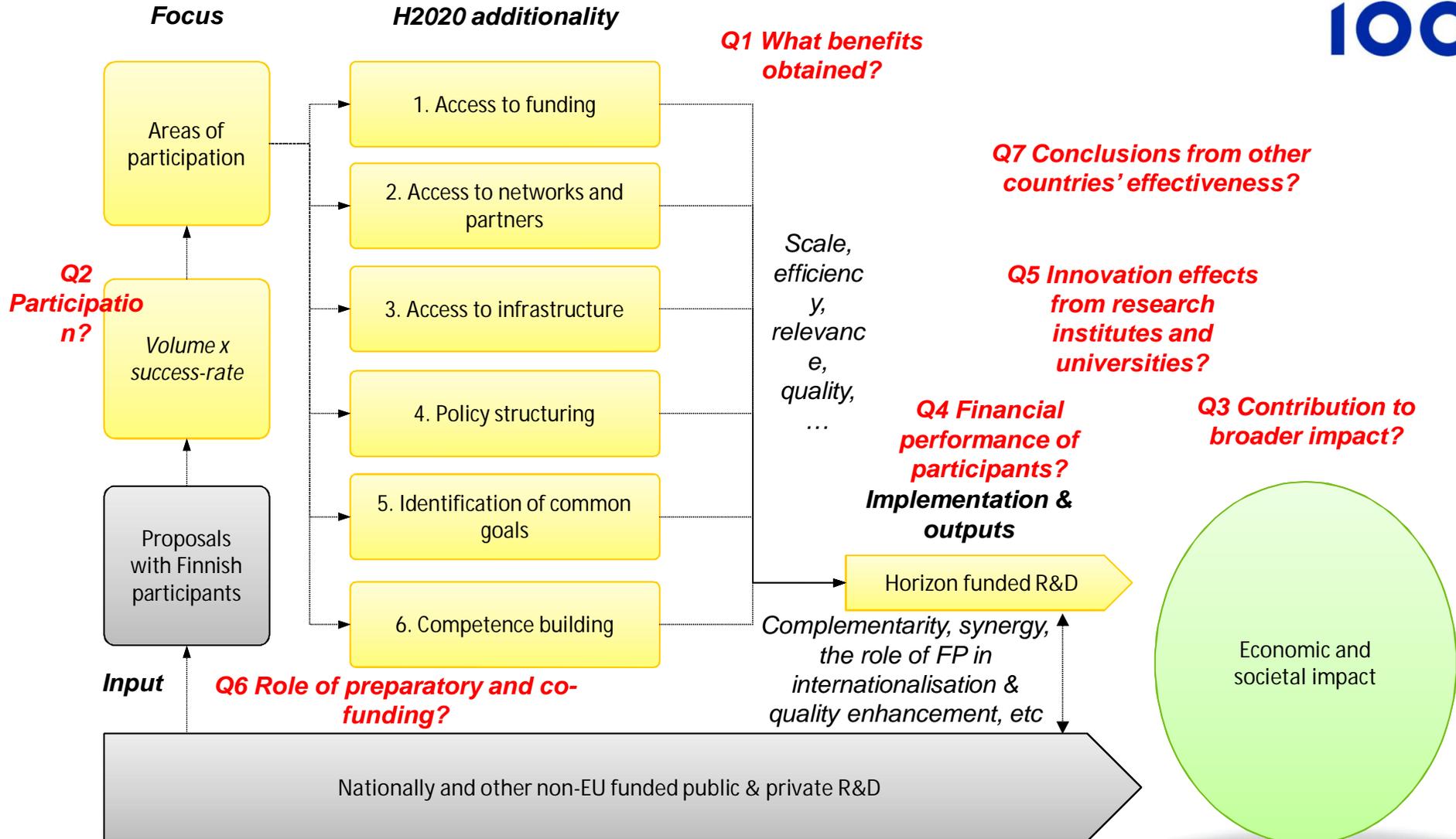
EU R&I impact in Finland

How can the EU Framework Programme for Research and Innovation increase the economic and societal impact of RDI funding in Finland?

Aims and objectives

- deepen the knowledge base on the benefits and effectiveness obtained by Finns from the FPs
- review and evaluate the H2020 programme's revised instruments, processes and their linkage to national RDI activities
- review the utility of assessments of key comparable countries
- what benefits are obtained to date from the FPs
- what kind of social, economic or environmental impacts are perceptible/achievable

Framework for assessment



EU R&I impact in Finland

How can the EU Framework Programme for Research and Innovation increase the economic and societal impact of RDI funding in Finland?

Summary of findings

- Interest in research institutes and universities is high and growing.
- Research institutes and universities are partly driven by necessity towards FP.
- In enterprises, interest often low, except for the SME instrument. Those enterprises that do participate, are generally satisfied.
- Most of the work carried out in FPs would not have been done without FP funding.
- Key benefit is international networking, that enables access to new resources (broadly) and markets.

GENERAL BENEFITS OF FPS (LITERATURE)

Rank	Austria: FP6 ^[1]	Denmark: FP6 ^[2]	Denmark: FP6/7 ^[3] (Universities and RTOs)	Ireland: FP6 ^[4]	Ireland: FP7 ^[5]	Norway: FP6/7 ^[6]
1 st	Improved relationships and collaboration with partners already known	Improved relationships and networks	Building new European network	Improved relationships and networks	Improved our international networks	Extended long-term international cooperation links
2 nd	Improved relationships and collaboration with previously unknown partners	Increased understanding/ knowledge	Funding of activities that otherwise would not have been implemented	Increased understanding and knowledge	Increased our understanding about the subject	Improved research capabilities
3 rd	Enhanced reputation and image	Increased scientific capabilities	Cooperation with excellent foreign research- and foreign environments	Enhanced reputation and image	Increased our scientific capacity	Exploration of new research areas
4 th	Increased scientific capabilities and know-how		Expansion of existing European network	Increased scientific capabilities	Improved our international reputation	Improved R&D management skills
5 th	Increased technological capabilities and know-how		International prestige		Increased our ability to access international experts	EU projects contribute to innovation

Impact of research



- Different roles of science and research
- Different routes of research impact
- Stress quality, innovativeness, curiosity, openness