

# News from the Commission

- Update on Horizon 2020
- Study on Long-Term Impacts of the FP

**ESF MO Forum**

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# Horizon 2020 - Fact Sheet

- **Name**

- Horizon 2020 – The Framework Programme for Research and Innovation (2014 – 2020)

- **Budget**

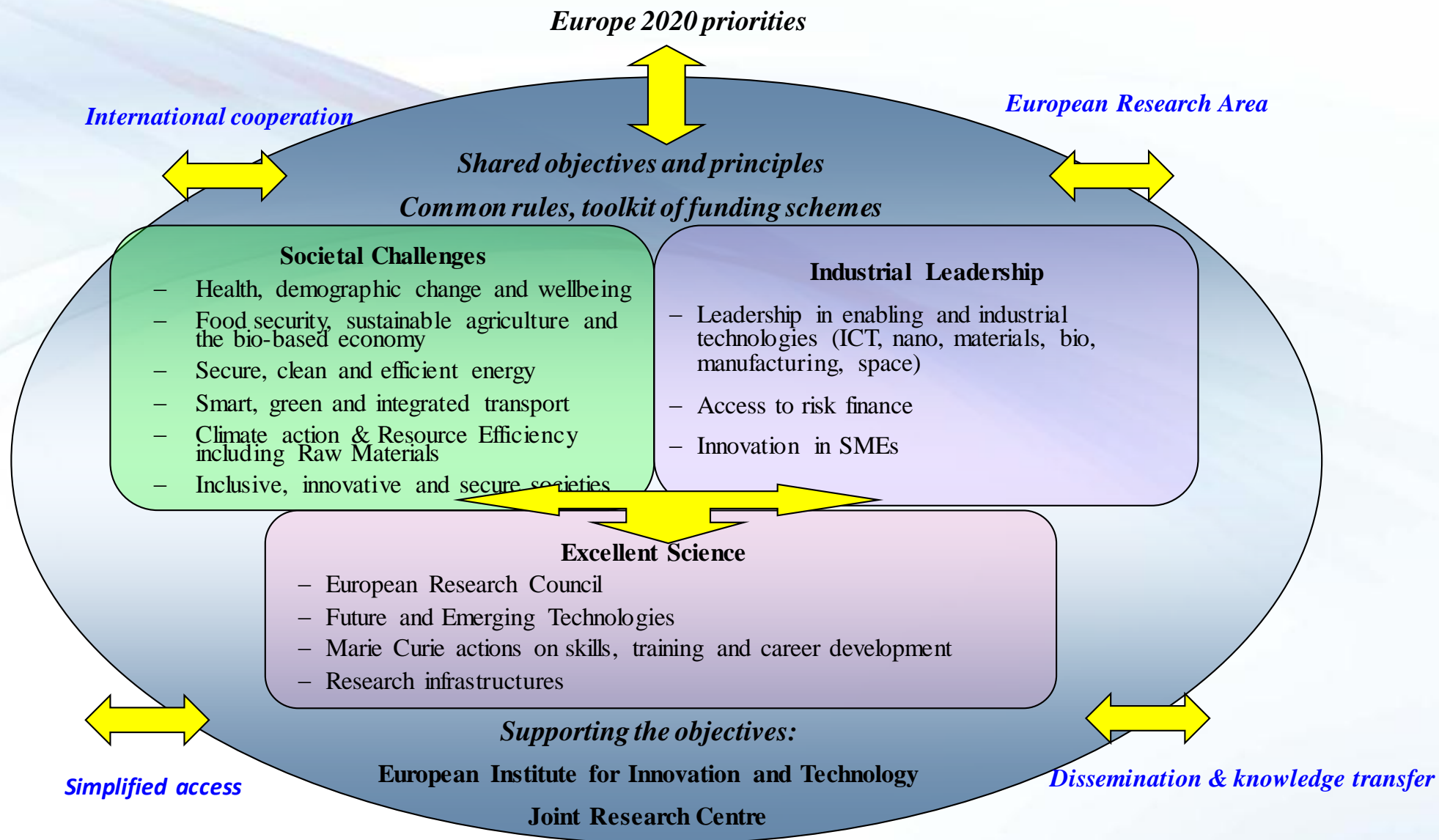
- Commission Proposal: 80 billion Euro (in 2011 prices)
- 8.5% of EU budget

- **Structure**

- Excellent science
- Industrial leadership
- Societal challenges



# Horizon 2020 – Objectives and Structure



# Horizon 2020 - Next steps

- ***Ongoing***
  - Negotiations on EU budget
- **30 November**
  - Commission Proposals for Horizon 2020
- **Summer 2012**
  - FP7 2013 Work Programmes
- **2012 / 2013**
  - Legislative Decisions by Council and Parliament
- **1 January 2014**
  - Start of Horizon 2020



# Long-Term Impact Study

- Study on longer term impact of FP
  - Analysing impact of FP4, FP5 and FP6 « from the distance »
- Attempt to combine quantitative and qualitative methodologies
  - Quantitative approach not as successful as hoped for  
...
- Carried out by Technopolis
- Final version still under way

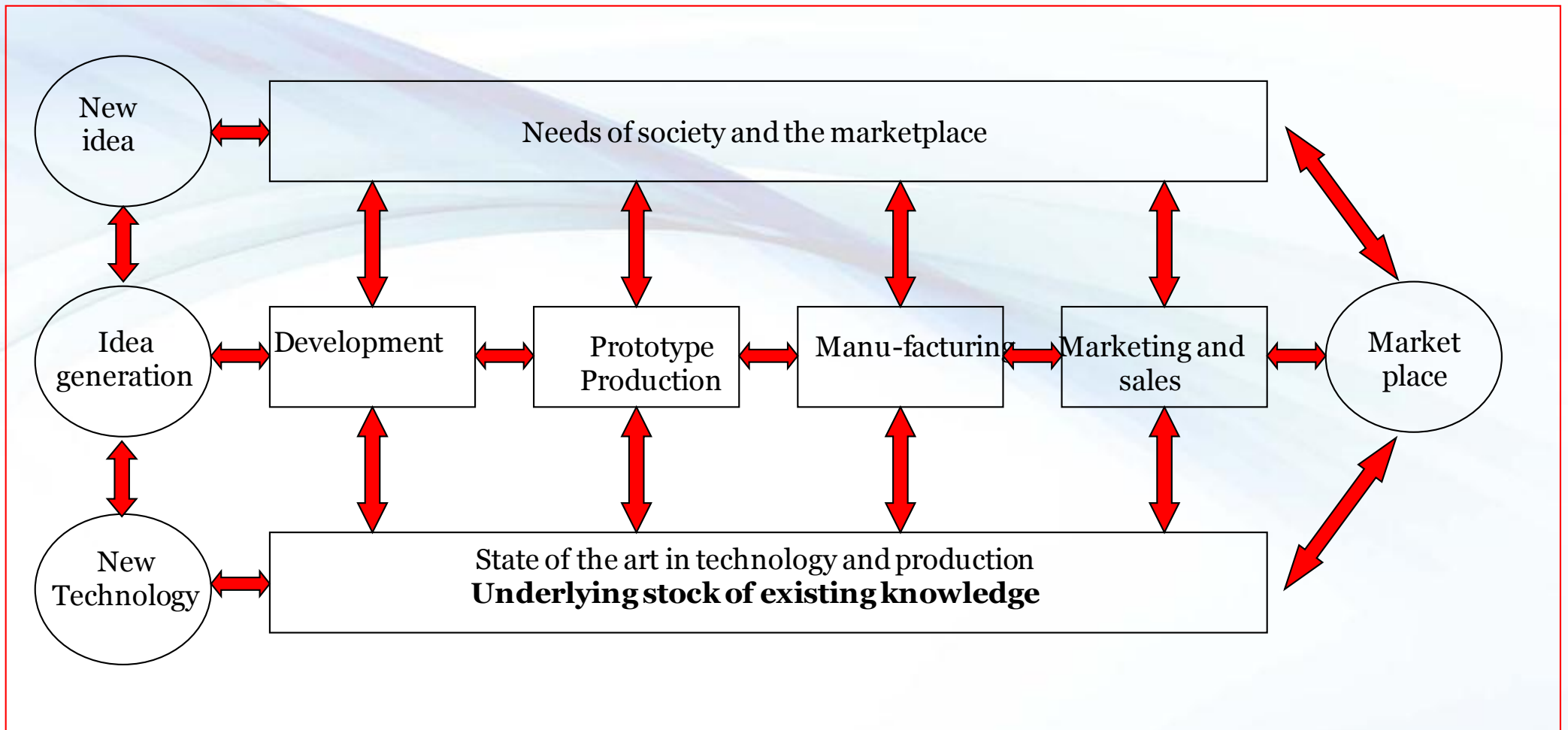


# Conventional wisdom

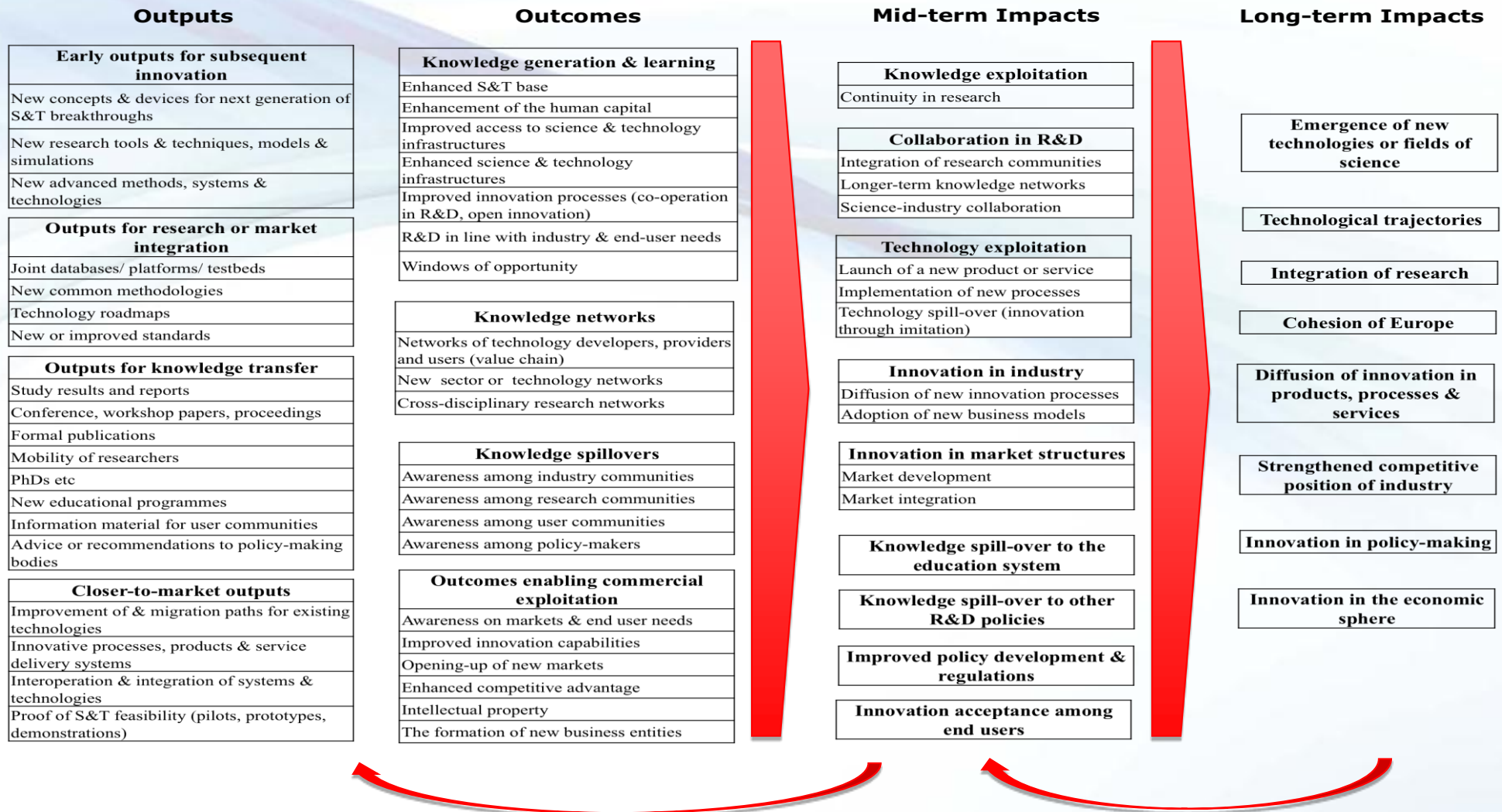
- FP funds high-quality R&D, attracts excellent researchers, engages the more research-intensive companies
- FP by design a pre-competitive programme, primarily producing 'intermediate knowledge outputs'
- Most participants have only a fleeting relationship with FP
- Strong core of established players and networks whose composition slowly shifts over time
- Very little is known about how networks work, how networking relates to strategy or how network shape relates to success
- Bigger networks do not seem to be more productive than smaller ones



# FP Context



# Attempt for an Intervention Logic





# Long-term impact in different areas

Long-term impacts	QIPC	Brain Research	O <sub>3</sub>	Solar PV	Auto-motive	Manu - future
Emergence of new technologies or fields of science	X	X		X		
Technological trajectories	X			X	X	
Integration of research	X	X	X	X	X	X
Cohesion of Europe			X	X		X
Diffusion of innovation in products, processes or services				X		
Strengthened competitive position of industry				X	X	
Innovation in policy-making			X			X
Innovation in the economic sphere				X	X	X



# Long-term impact in different areas

Long-term impacts	QIPC	Brain Research	O <sub>3</sub>	Solar PV	Auto-motive	Manu- - future
Discovery	X	X	X	X		
Creating new knowledge outputs, moving towards applications	X	X	X	X	X	
Discipline development	X					
Focusing device for innovation				X	X	X
Agenda-setting	X	X	X	X	X	X
Promoting self-organisation of stakeholder communities	X	X	X	X	X	X
Influencing regulations or standards	X		X	X	X	
Coordinating or influencing policy		X	X	X	X	X
Strengthening networks, Knowledge Value Collectives; defragmenting the research community	X		X	X	X	X



# Long-term impact in different areas

Long-term impacts	QIPC	Brain Research	O <sub>3</sub>	Solar PV	Auto-motive	Manu- - future
Changing research network shapes: putting Europe in the centre	X	X	X	X	N.A.	N.A.
Levering funding for R&D	X	X	X			X
Mobility/development of human capital	X	X	X	X	X	
Research infrastructure (Grids, test-beds, etc)						
Behavioural additionality		X			X	X
Speeding up industry' entry into new technologies	X					
Tackling problems too big for an individual Member State	X	X	X			X
Addressing areas of major socio-economic importance for the EU	X	X	X	X	X	X



# Analysis of the longer term impacts

## Positive

- Legitimizing new fields
- Focusing devices
- Creating consensus: problem definitions, road maps, standards
- Empowerment and self-organisation of stakeholder groups
- Structuring the R&D fabric
- Knowledge Value Collectives

## Problematic

- Lock-ins
- Absence of disequilibrium, creative destruction
- Inward-looking in an increasingly irrelevant continent?



# Contact

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