



Inter-sectoral mobility of researchers  
in South-Eastern Europe



# **Industry-academia cooperation as a factor for innovation and development: The Horizon 2020 perspective**

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***“ Industry-academia cooperation remains a problem throughout Europe : only 46% of the skilled human resources for research and innovation works in the business sector “***

# HORIZON 2020

## the EU framework programme for research and innovation (2014-2020)

- **A single programme** *bringing together three separate programmes/initiatives (FP7, CIP, EIT). Allocation of a 80 billion euro budget*
- A core part of Europe 2020, Innovation Union & European Research Area:
  - **Responding to the economic crisis** to invest in future jobs and growth
  - **Addressing peoples' concerns** about their livelihoods, safety and environment.
  - **Strengthening the EU's global position** in research, innovation and technology
- Synergies and complementarities with Structural Funds, education, CAP, etc.
- **More innovation**, *from research to retail, all forms of innovation*
- **Simplified access**, *for all companies, universities, institutes in all EU countries and beyond.*



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## MAIN PILLARS

### ➤ Excellent Science (27318 billion euro)

- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

### ➤ Industrial leadership (20280 billion euro)

- Leadership in enabling and industrial technologies
- Access to risk finance
- Innovation in SMEs

### ➤ Societal challenges (35888 billion euro)

- Health, demographic change and wellbeing
- Food security, sustainable agriculture and the bio-based economy
- Secure, clean and efficient energy
- Smart, green and integrated transport
- Climate action, resource efficiency and raw materials
- Inclusive, innovative and secure societies

## Cross-cutting actions

Linkages and interfaces shall be implemented across and within the priorities of Horizon 2020. Particular attention shall be paid in this respect to the development and application of **key enabling and industrial technologies, to bridging from discovery to market application, to cross-disciplinary research and innovation**, to social and economic sciences and humanities, to fostering the functioning and achievement of the ERA, to cooperation with third countries, to responsible research and innovation including gender, and to enhancing the attractiveness of the research profession and **to facilitating cross-border and cross-sector mobility of researchers.**

***Horizon 2020 shall be open to the association of third countries:***

**(a)** acceding countries, candidate countries and potential candidates, in accordance with the general principles and general terms and conditions for the participation of those countries in Union programmes established in the respective framework agreements and decisions of association councils or similar agreements;

**(b)** selected third countries that fulfil all of the following criteria:

**(i) have a good capacity in science, technology and innovation;**

**(ii) have a good track record of participation in Union research and innovation programmes;**

(iii) have close economic and geographical links to the Union;

(iv) are European Free Trade Association (EFTA) members or countries or territories listed in the Annex to Regulation (EU) No XX/2012 of the European Parliament and the Council establishing a European Neighbourhood Instrument

## The European Institute of Innovation and Technology

The **EIT** shall contribute to the general objective and priorities of Horizon 2020 with the specific objective of integrating the **knowledge triangle of research, innovation and education, thus reinforcing the Union's innovation capacity and addressing societal challenges.**

The indicators for assessing the performance of the EIT are:

- ✓ organisations from universities, business and research integrated in the **Knowledge and Innovation Communities**;
- ✓ **collaboration inside the knowledge triangle** leading to the development of innovative products and processes.

## Where and What to focus on:

Proposal for a  
**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**  
establishing Horizon 2020 - The Framework Programme for Research and  
**Innovation**  
**(2014-2020)**  
COM(2011) 809 final

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## Marie Skłodowska-Curie Actions

*“The necessary reform must start at the first stages of the researchers’ careers, during their doctoral studies or comparable post-graduate training. Europe must develop state-of-the-art, **innovative training schemes**, consistent with the highly competitive and increasingly interdisciplinary requirements of research and innovation. **Strong involvement of businesses, including SMEs and other socio-economic actors, will be needed to equip researchers with the innovation skills demanded by the jobs of tomorrow.** It will also be important to enhance the mobility of these researchers, as it currently remains at too modest a level: in 2008, only 7% of European doctoral candidates were trained in another Member State, whereas the target is 20% by 2030”.*

### Broad Lines of Activities

- Fostering new skills by means of excellent initial training of researchers
- Nurturing excellence by means of cross-border and cross-sector mobility
- Stimulating innovation by means of cross-fertilization of knowledge
- Increasing the structural impact by co-funding the activities
- Specific support and policy action

## Time Schedule

**Ongoing:**

Parliament and Council negotiations on EU budget 2014-20 (including overall budget for Horizon 2020)

**Mid 2012:**

Final calls under 7th Framework Programme for Research to bridge the gap with Horizon 2020

**By end 2013:**

Adoption of legislative acts by Parliament and Council on Horizon 2020

**1/1/2014:**

**Horizon 2020 starts; launch of first calls**