

# PRELIMINARY INFORMATION ON HORIZON 2020 - The Framework Programme for Research and Innovation

This is only a draft based on Financial Framework 2014 - 2020 perspectives and other public documents, not official information or final documents.

## General context & proposed budget

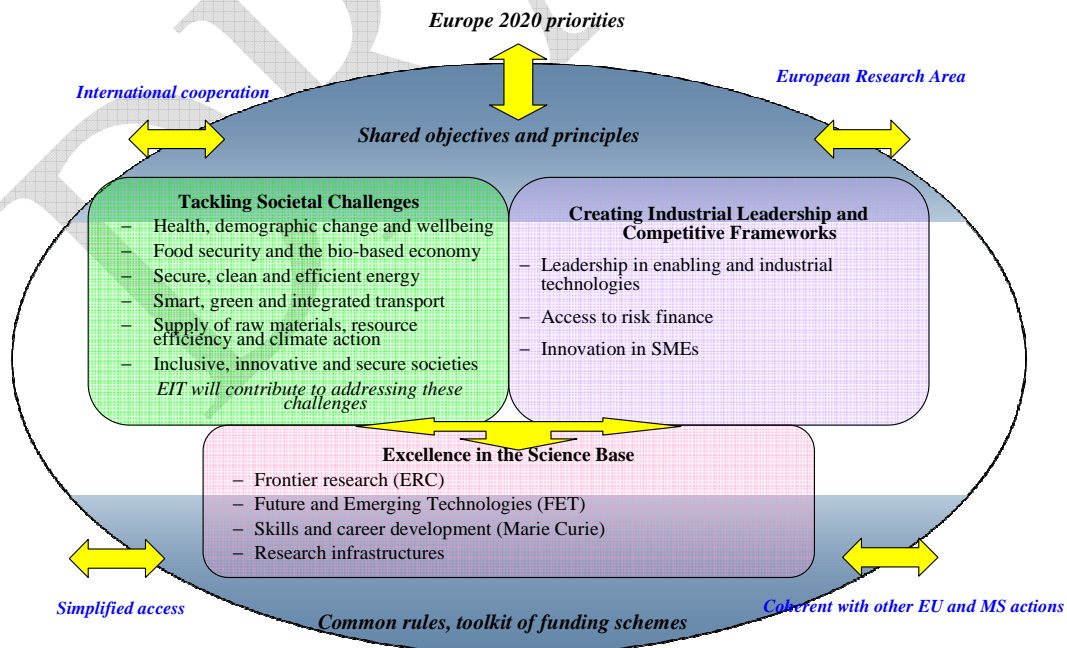
A common EU strategy called "Horizon 2020" worth **80 billion €** (80.000 M€) will boost Europe's global competitiveness and help create the jobs and ideas of tomorrow. It will gather all projects in this area to eliminate fragmentation and make sure EU -funded projects better complement and help coordinate national efforts.

Future research and innovation funding be based on **three main areas** that are firmly anchored in the Europe 2020 strategy:

- excellence in the science base;
- tackling societal challenges;
- creating industrial leadership and boosting competitiveness.

## Objetives & structure

# Horizon 2020 – Objectives and structure



Source: European Commission

## 1) Excellence in the science base

This block will strengthen the EU's world-class excellence in science by developing talent within Europe and attracting leading researchers to Europe.

The emphasis will be on:

- a) stronger support for **frontier research** (through the **European Research Council**);
- b) networking of, access to, and development of priority **research infrastructures** (including e-infrastructures);
- c) **skills, training and career development** of researchers (**Marie Curie Actions**)
- d) and **future and emerging technologies**.

## 2) Tackling societal challenges

To respond directly to the challenges identified in the Europe 2020 strategy, this block will support activities covering the entire spectrum **from research to market**. It will integrate innovation actions (pilots, demonstration, test-beds, support to public procurement and market uptake of innovation), cross-disciplinary approaches, and socio-economic and humanities research

The focus will be on:

### Societal Challenges:

- a) Health, demographics changes and wellbeing;
- b) Food security, sustainable agriculture and the bio- economy;
- c) Secure, clean and efficient energy;
- d) Smart, green and integrated transport;
- e) Climate action and resource efficiency including raw materials
- f) Inclusive, innovative and secure societies.

The **EIT** will, through its Knowledge and Innovation Communities, strongly contribute to addressing the challenges, with a significantly increased budget.

## 3) Creating industrial leadership and competitive frameworks

To support and promote business research and innovation in enabling technologies; services and emerging sectors with a strong focus on leveraging private sector investment in R&D; and, to address SME-specific problems.

Priority actions will cover:

1. increasing **strategic investments and leadership in current and future enabling and industrial technologies and services**, with dedicated support for:

- a) Information and Communication Technologies
- b) Nanotechnology
- c) Advanced materials
- d) Biotechnology
- e) Advanced manufacturing and processing
- f) Space

2. facilitating **access to risk finance and venture capital** (building on the FP7 Risk Sharing Finance Facility and CIP financial instruments);

3. and, providing EU wide support for **innovation in SMEs** with high growth potential.

## Timeline

- **30 November 2011 - Consultation on the ERA Framework:** Areas of untapped potential for the development of the European Research Area (ERA): [http://ec.europa.eu/research/consultations/era/consultation\\_en.htm](http://ec.europa.eu/research/consultations/era/consultation_en.htm)
- **30 November 2011** – proposed date for **adoption by the European Commission of the draft legislative proposal for Horizon 2020** - the future Framework Programme for Research and Innovation.
- **5 - 6 December** – **1st Innovation Convention.** [http://ec.europa.eu/research/innovation-union/index\\_en.cfm?section=ic2011](http://ec.europa.eu/research/innovation-union/index_en.cfm?section=ic2011)
- **6 December** – **Presentation of Horizon 2020** to the Competiveness Council
- Discussions with the co-legislators: the Council of the European Union and the European Parliament

## More information

- CSF - Horizon 2020. Official webpage: <http://ec.europa.eu/research/horizon2020>
- Financial Framework 2014 – 2020. EC webpage: [http://ec.europa.eu/budget/biblio/documents/fin\\_fwk1420/fin\\_fwk1420\\_en.cfm#doc1](http://ec.europa.eu/budget/biblio/documents/fin_fwk1420/fin_fwk1420_en.cfm#doc1)