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** – proposed date for adoption by the European Commission of the draft legislative proposal for **Horizon 2020** - the future Framework Programme for Research and Innovation.


- **6 December** – **Presentation of Horizon 2020** to the Competitiveness Council

- Discussions with the co-legislators: the Council of the European Union and the European Parliament

More information
