

# Horizon 2020 and new trends

## Presentation to French Rectors Conference

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# Some basics...



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# The name...



Horizon 2020

Not: FP8

Not: CSF



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# How much?

80 billion euro

- **Commission proposal** adopted on 29 June 2011
- **Overall amount for Horizon 2020** (does not include ITER construction)
- **€80 billion** in constant 2011 prices
- **Increasing share** of stable EU Budget (which will decrease as share of EU GNI). Research and innovation increases to **8.5%** of overall EU budget.
- **For decision by European Council, European Parliament**



# What are the priorities (1)?

## Excellent science base

World class excellence; developing and attracting talent

- European Research Council
- Future and emerging technologies
- Marie Curie actions on skills, training and career development
- Research infrastructures



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# What are the priorities (2)?

## Industrial leadership & competitive frameworks

Business led R&I; raising private investment

- Enabling and industrial technologies (ICT, nano, materials, bio, manufacturing, space)
- Access to risk finance (loans, equity)
- Support for innovation in SMEs



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# What are the priorities (3)

## Tackling societal challenges

Responding directly to EU objectives; whole cycle from research to market

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



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# What are the priorities?

- Grant to the European Institute for Innovation and Technology (EIT)
- Direct actions of the Joint Research Center

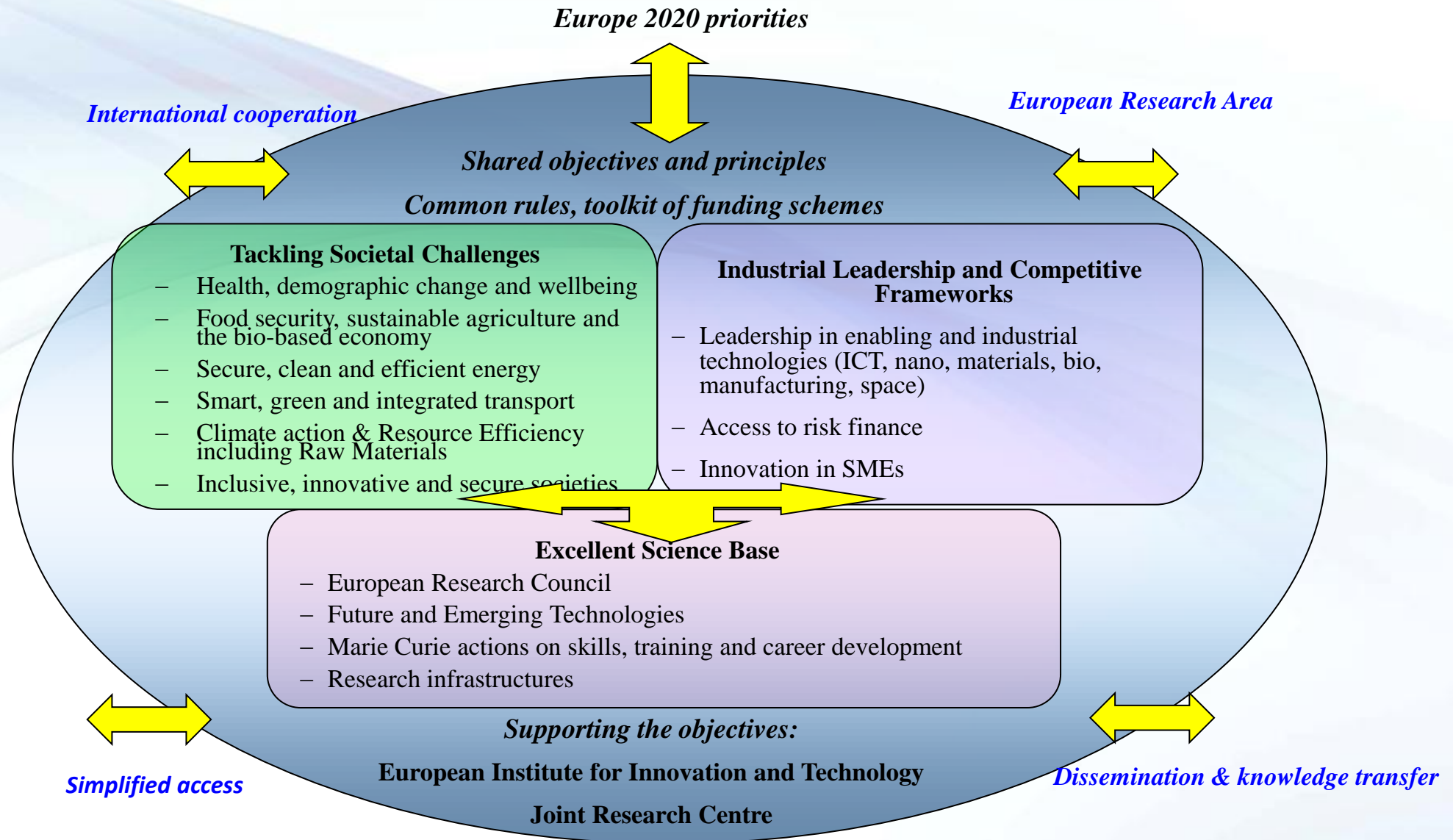
## **Cross-cutting priorities:**

- Simpler access, openness to newcomers
- Dissemination & knowledge transfer
- European Research Area
- International cooperation





# Horizon 2020 – Objectives and structure



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**Why ?**



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# Added value of EU R&I funding

(evaluations, other sources)

- Cross-border **pooling** of resources to achieve **critical mass** and **diffusion of knowledge**
- Promote **competition** in research and innovation, thereby raising levels of **excellence**
- Offers **training possibilities**; enhances Europe's **international attractiveness**
- Address **pan-European policy challenges**; link to EU **market frameworks**
- **Leverages** private investments, combines public investments, **increases efficiency**

=> R&I for smart, sustainable and inclusive growth



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# Stakeholder views

More than **2000 responses to Green Paper** on future EU research and innovation funding

- **Simplification** is a key priority!
- **Bring research and innovation together** in an integrated funding programme – but recognise differences!
- Support all stages, with **more attention for close to the market activities** (e.g. demonstration, piloting)
- **Build on what works**, e.g. European Research Council, Marie Curie, collaborative research
- **Better focus**, linked to **societal challenges** and EU policy objectives (climate change, ageing, energy security,...)
- More **openness and flexibility**, (less prescriptive calls, more **bottom-up instruments**)



# Stakeholder workshops on priorities

Discussing priorities on:

- Future and Emerging Technologies
- Innovation and Horizon 2020
- Marie Curie actions
- Food Security, Sustainable Agriculture and the Bio-Economy
- Research infrastructures
- Access to risk finance
- The health, demographic change and wellbeing challenge
- Innovation in Small and Medium Enterprises
- Towards more inclusive, innovative and secure societies challenge
- Secure, clean and efficient energy challenge
- Smart, green and integrated transport challenge
- Leadership in enabling and industrial technologies
- Resource efficiency and climate action challenge

All workshop reports available at: [http://ec.europa.eu/research/horizon2020/index\\_en.cfm?pg=workshops](http://ec.europa.eu/research/horizon2020/index_en.cfm?pg=workshops)



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# What's new?



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# Horizon 2020: Real integration of existing programmes

- The **7<sup>th</sup> Framework Programme (FP7)** for research, technological development and demonstration
- Innovation elements from **Competitiveness and Innovation Framework Programme (CIP)**
  - Non-innovation elements to be included in a new “Competitiveness and SMEs” programme
- EU funding for **European Institute for Innovation and Technology (EIT)**

Strengthening complementarities with the **Structural Funds**

# Horizon 2020 – Key common features

- **Clear set of objectives** based on Europe 2020 and Innovation Union
- Integrating research and innovation in a **seamless programme**
- Focus on overall policy priorities – using a **challenge based approach**
- Programme **structured by objectives**
- **Common toolkit** of funding schemes



# Horizon 2020 – Simplification

- **Single set of rules** for eligibility, accounting, reporting, auditing
- **Simplified cost-reimbursement** approach
- Broader acceptance of **usual accounting practice**, greater use of **lump sums** and **flat rates**
- **Shorter negotiation** and **selection** phases
- **Unique IT portal**, common support structures, guidance
- **External management:** learning from experience with executive agencies, public private partnerships, public to public partnerships, financial instruments



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# Next steps

- **Negotiations on EU budget 2014-2020**
- **Commission proposals for Horizon 2020:** before end 2011
- **FP7 2013 Work Programmes**, to bridge towards Horizon 2020
- **Legislative decisions** on Horizon 2020 by the Council and European Parliament (2012-13)
- **Horizon 2020** (from 2014)



# **Thank you for your attention!**

Find out more at:

<http://www.ec.europa.eu/research/csfri/>



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