

Horizon 2020

preparations

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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 30 November 2011
- **Overall amount for Horizon 2020** (does not include ITER construction)
- **€80 billion** in constant 2011 prices
- **Research share 7.7 Billions, meaning 8.8% of total budget**
- **Increasing share +67% compared to FP7**



What are the priorities?

- **Excellent science base**
- **Industrial leadership & competitive frameworks**
- **Tackling societal challenges**



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



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



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



What are the priorities?

Role of JRC and EIT in Horizon 2020

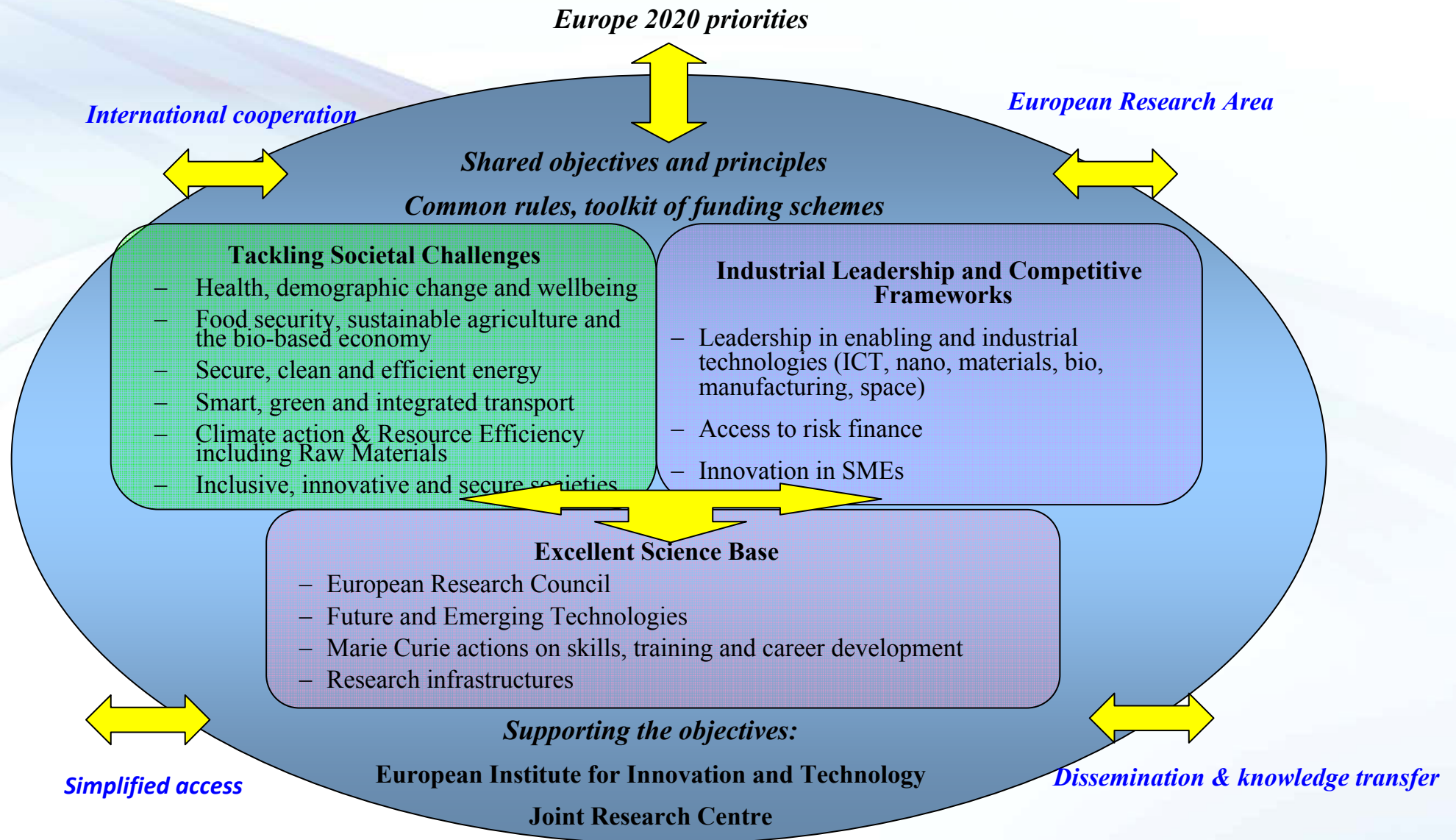
- Direct actions of the Joint Research Centre - *providing a robust, evidence base for EU policies*
- Grant to the European Institute for Innovation and Technology (EIT) - *combining research, innovation & training in Knowledge and Innovation Communities*

Cross-cutting priorities

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



Horizon 2020 – Objectives and structure



Why ?



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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**)



Added value of EU R&I funding

- 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



What's new?



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Horizon 2020: Real integration of existing programmes

- The **7th 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**
- **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



Rules of Participation

Stakeholders views

REDUCE	INCREASE	MAINTAIN & IMPROVE
<ul style="list-style-type: none">➤ Different sets of rules➤ Administrative burden➤ Complexity➤ Excessive controls➤ Time-to-grant➤ Time-to-pay	<ul style="list-style-type: none">➤ Trust➤ Reliance on the usual accounting practices➤ Consistency in the application of the rules➤ Innovation➤ New forms of funding (eg. prizes, output based, etc)	<ul style="list-style-type: none">➤ Reimbursement of real costs as the main funding mode➤ Basic IPR orientations and level of detail of their rules➤ Simplification measures➤ Funding levels➤ Other successful elements of FP7



Rules for Participation

Key novelties

1. A SINGLE SET OF RULES *“From the brain to the factory”*
2. SINGLE FUNDING RATE one project - one rate
3. SIMPLIFIED AND UNIFORM EVALUATION CRITERIA
4. NEW FORMS OF FUNDING pre-commercial procurement, inducement prizes, dedicated loan and equity instruments.
5. INTERNATIONAL PARTICIPATION
6. SIMPLER RULES FOR GRANTS
7. FEWER, BETTER TARGETED CONTROLS AND AUDITS
8. IMPROVED RULES ON INTELLECTUAL PROPERTY



Transport in Horizon 2020

- **SEAMELSS**

Better mobility, less congestion, more safety and security

- **COMPETITIVE**

Global leadership for the European transport industry

- **SUSTAINABLE**

Resource efficient transport that respects the environment



Next steps

- **Negotiations on EU budget 2014-2020**
- **From 30 Nov 2011:** Parliament and Council negotiations on the basis of the Commission proposals
- **FP7 2013 Work Programmes**, to bridge towards Horizon 2020
- **Legislative decisions** on Horizon 2020 by the Council and European Parliament (2012-2013)
- **Horizon 2020** (from 2014)



Thank you for your attention!

Find out more at:

http://ec.europa.eu/research/horizon2020/index_en.cfm/



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