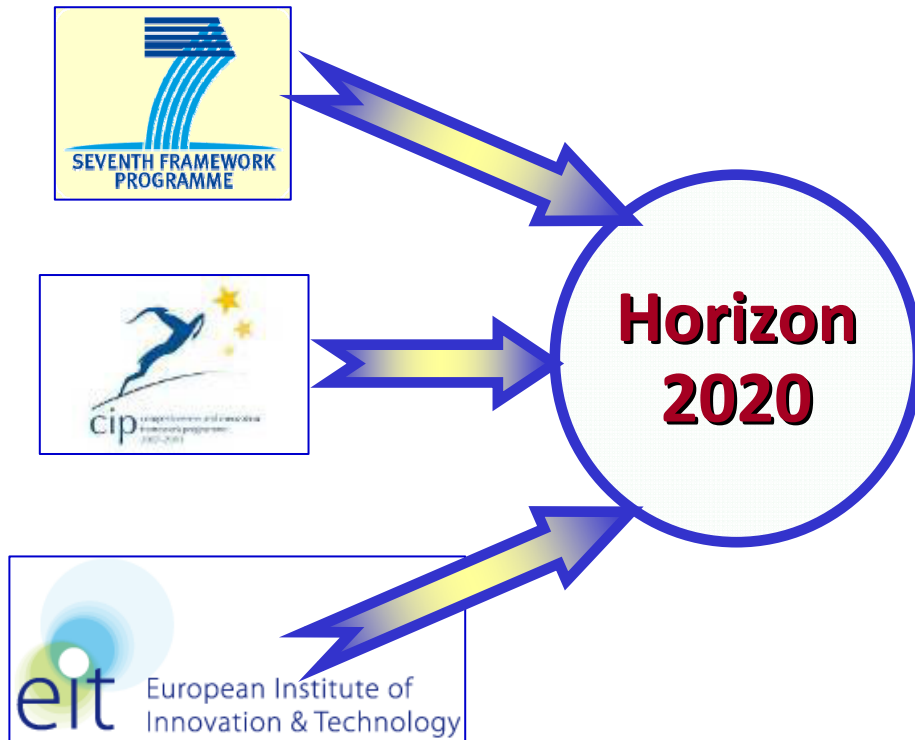# What is Horizon 2020

- **A core part of *Europe 2020*, Innovation Union & European Research Area:**

  – Responding to the economic crisis to invest in future jobs and growth

  – Addressing people's concerns about their livelihoods, safety and environment

  – Strengthening the EU's global position in research, innovation and technology

- **Initial Commission proposal for a €80 billion research and innovation funding programme (2014-2020);**
  → final budget agreement: just over €70 billion

European Commission

Horizon 2020: What's new

Horizon 2020 Budget: 70 B€

Horizon 2020

- **Excellent Science (32 %)**
  ERC, Marie Curie actions, FETs, Research infrastructures

- **Industrial Leadership (22 %)**
  Leadership in Enabling Technologies (ICT, Nanotechnology materials, Biotechnology, Production Technologies, …) , Access to risk finance, Innovation in SMEs

- **Societal challenges (38 %)**
  Health & Ageing, Energy, Transport, Resource Efficiency, Climate Challenge, …

European Commission
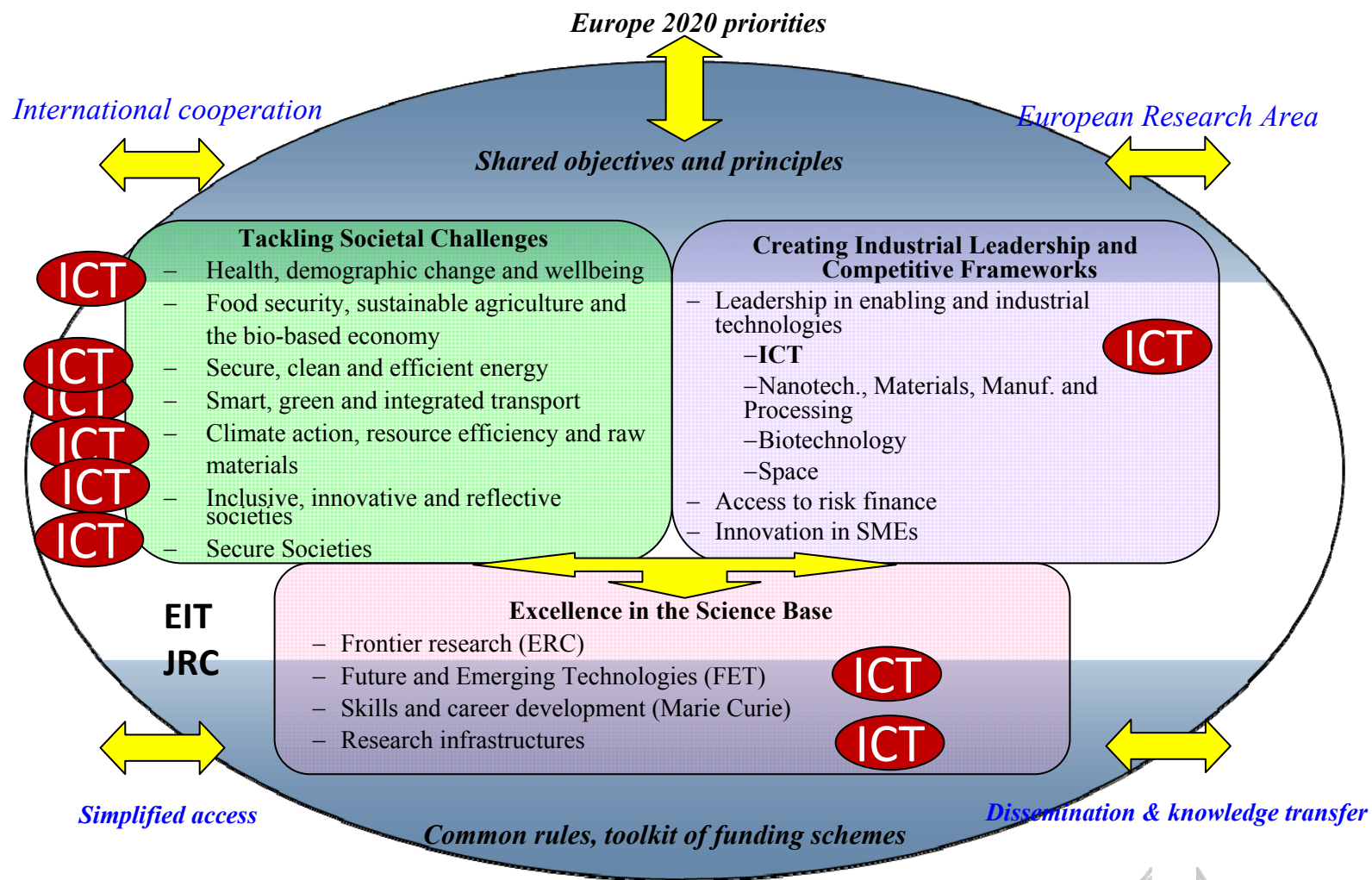
Horizon 2020: Not business as usual!

Radical Simplification!

■ A single set of participation rules

■ Only **two funding rates** for **all** beneficiaries and activities:
- ✓ 100% for research actions - 70% for "closer to the market" actions
- ✓ a **single flat rate for overheads**

■ Simpler accounting principles, shorter time-to-grant, fewer and better targeted controls and audits, etc.

But also:

■ Coverage of the **full innovation chain**: from basic research to technology development, demonstration, validation and to the market

■ Dedicated **innovation support activities**, including dedicated actions targeting innovative SMEs

European Commission

ICT in Horizon 2020

Europe 2020 priorities

International cooperation

European Research Area

Shared objectives and principles

Tackling Societal Challenges
- 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 reflective societies
- Secure Societies

Creating Industrial Leadership and Competitive Frameworks
- Leadership in enabling and industrial technologies
  - ICT
  - Nanotech., Materials, Manuf. and Processing
  - Biotechnology
  - Space
- Access to risk finance
- Innovation in SMEs

ICT
ICT
ICT
ICT
ICT
ICT

ICT

EIT
JRC

Excellence in the Science Base
- Frontier research (ERC)
- Future and Emerging Technologies (FET)
- Skills and career development (Marie Curie)
- Research infrastructures

ICT

ICT

Simplified access

Dissemination & knowledge transfer

Common rules, toolkit of funding schemes

HORIZON 2020

European Commission

New ICT opportunities for Greece!

■ **Greece is doing well in ICT FP7 – overall, 8th funding position with more than 4% of the budget share – Good presence in:**

- ✓ **e-Infrastructures, FET;**

- ✓ **several ICT enabling technologies: network technologies, robotics, software technologies, embedded systems, photonics**

- ✓ **several Societal Challenges (in particular Health)**

■ **ICT in Horizon 2020: New opportunities and new Challenges**

- ✓ **In particular for SMEs (innovation!)**

- ✓ **Especially, in combination with Structural (Regional) funds**

- ■ **Don't miss it!**

European Commission