

# INGINEUS final meeting

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## **Globalisation of Innovation**

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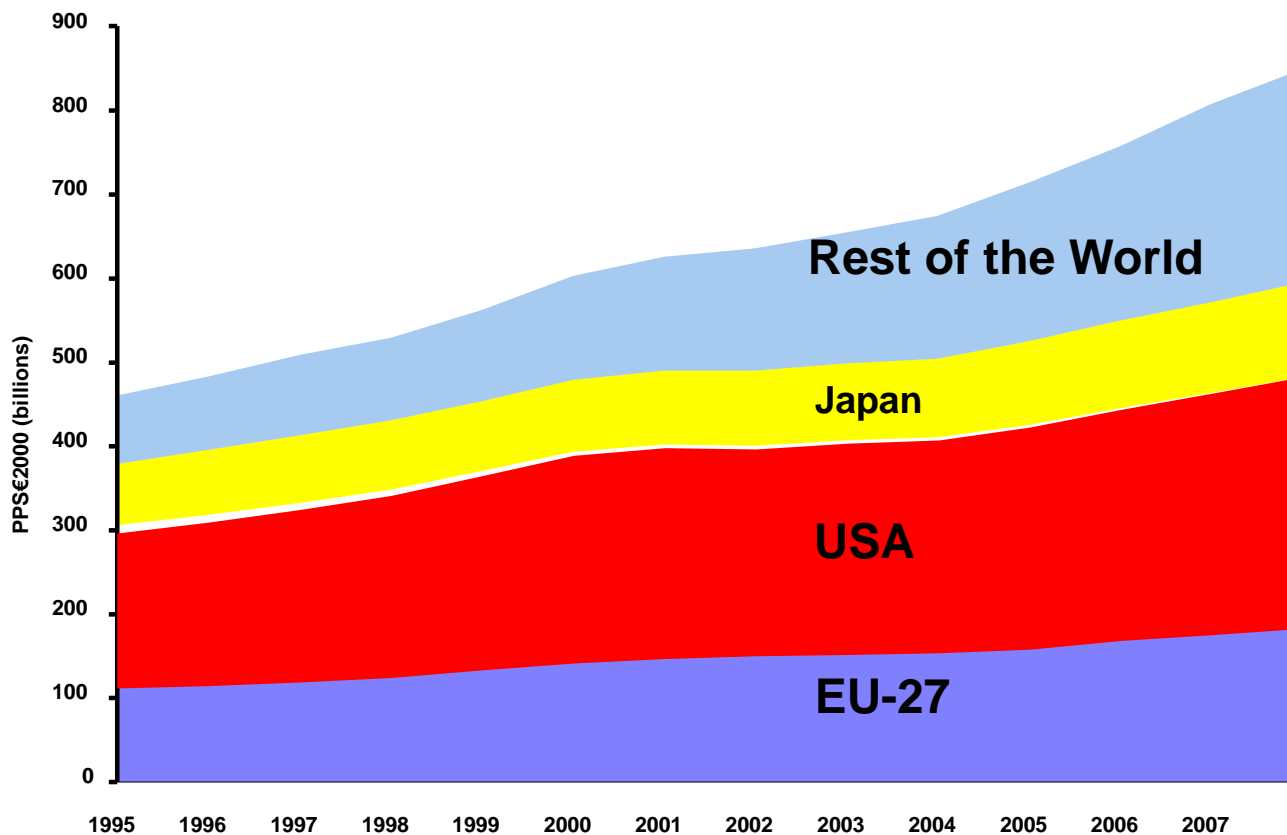
# **Thirty years of EU research Turning the eyes**

**Most of the efforts these last 30 years in R&D were directly linked to industrial policies. In Europe:**

- **In the eighties, the eyes were turned towards Japan: technology push (cf. “Framework Programme”)**
- **In 2000, the eyes were turned towards USA: competitiveness push (cf. “Lisbon Strategy”)**
- **Today: importance of information technologies, sustainability, social innovation and demand-pull measures – “Europe 2020 strategy”**



# Share of world R&D expenditure

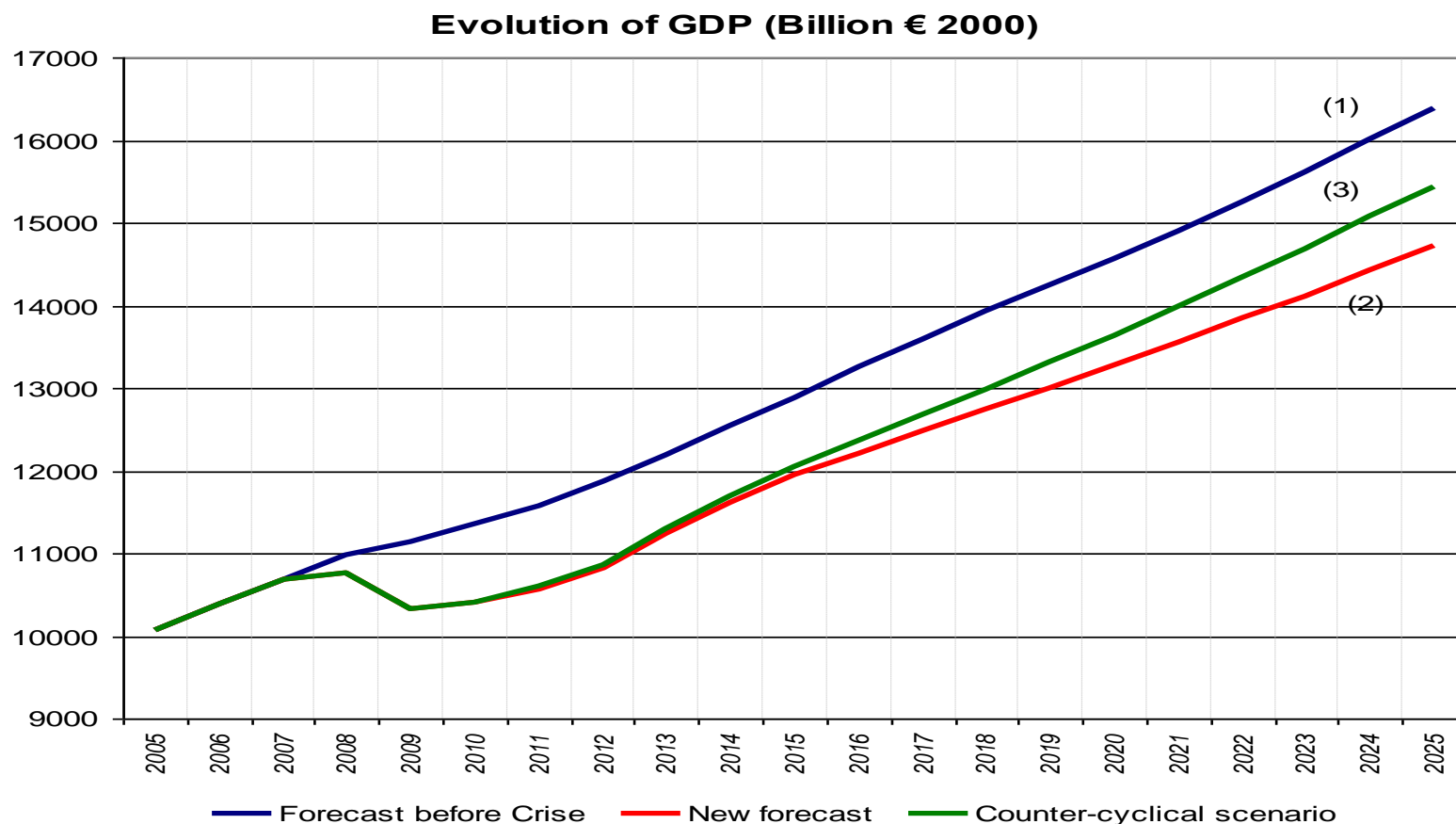


Source: EC, COM(2011)546 and SEC

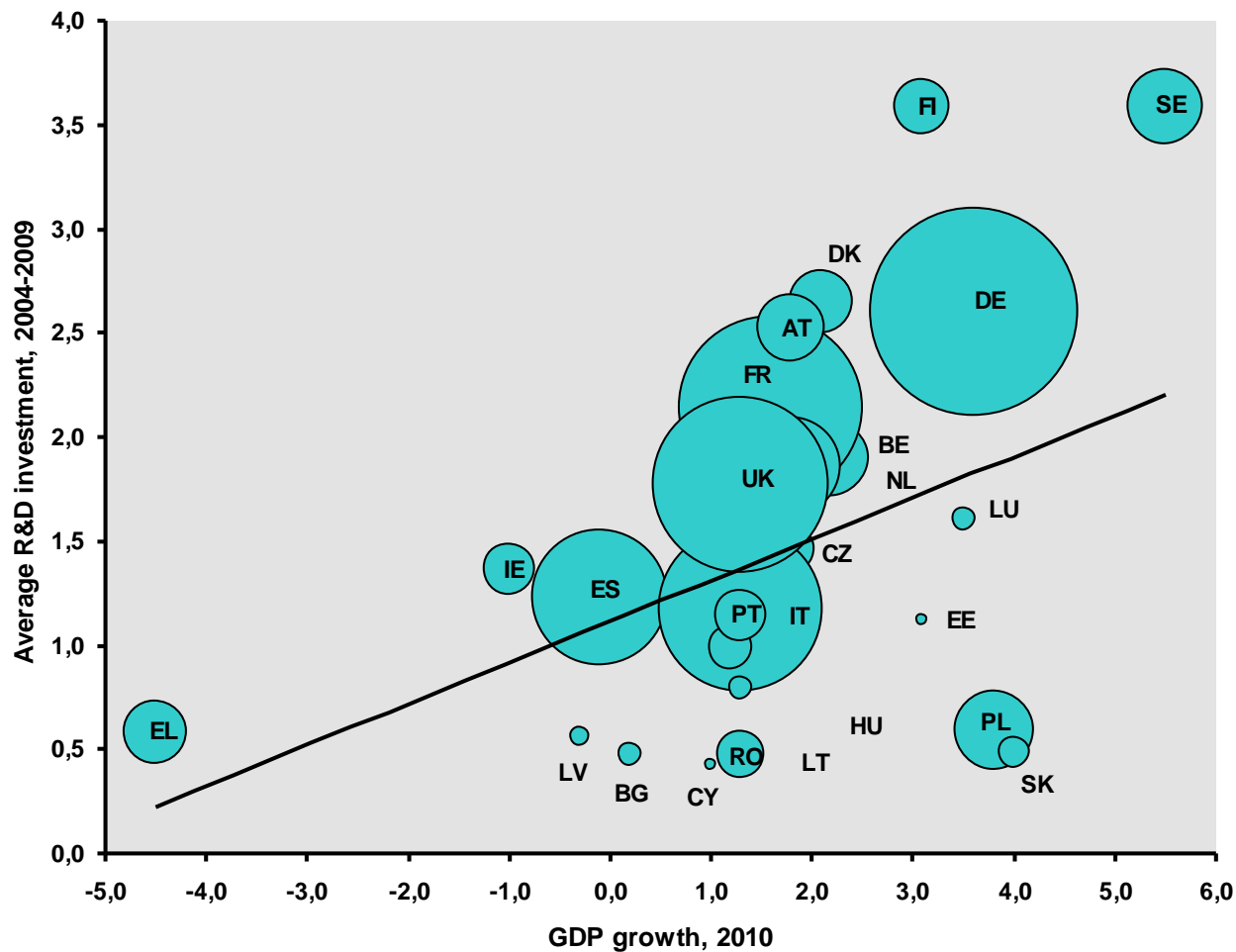


European Research Area

# R&I at the top of the political agenda, especially in time of crises



# R&D investment and economic recovery



Source: EC, COM(2011)849



European Research Area

# **EU projects (FP7 – SSH programme) on internationalisation of firms and innovation**

- **ENGINEUS – Impact of Networks, Globalisation, and their Interaction with EU Strategies**
- **EFIGE – Patterns of Internationalisation of European firms**
- **GLOBINN – The changing nature of internationalization of innovation in Europe: impact on firms and the implications for innovation policy in the EU**



# **EU multiannual financial framework**

## **COM(2011)500**

**For 2014-2020: € 1,025bn**

- **Smart and inclusive growth (€ 491bn), including R&I**
- **Sustainable growth, natural resources (€ 383 bn)**
- **Security and citizenship (€ 18.5 bn)**
- **Global Europe (€ 70 bn)**
- **Administration (€ 62.6 bn)**



# **Innovation Union and Horizon 2020**

## **COM(2010)546 and COM(2011)808**

**With the « Innovation Union » , Research and innovation are placed at the heart of the Europe 2020 strategy**

**Horizon 2020 - Commission proposal for € 80 billion R&I funding programme (2014-20)**

**Three areas for R&I**

- **Excellent science (~ 1/3 of the budget)**
- **Industrial leadership (~ 1/4 of the budget)**
- **Societal challenges (~ 40% of the budget)**





# Excellent science

## European Research Council

*Frontier research by the best individual teams*

## Future and Emerging Technologies

*Collaborative research to open new fields of innovation*

## Marie Curie (Sklodowska) actions

*Opportunities for training and career development*

## EU research infrastructures (incl. e-infrastructure)

*Ensuring access to world-class facilities*



# Industrial leadership

**Leadership in enabling and industrial technologies (*ICT, nanotechnologies, materials, biotechnology, manufacturing, space*)**

**Access to risk finance**

*Leveraging private finance and venture capital for research and innovation*

**Innovation in SMEs**

*Fostering all forms of innovation in all types of SMEs*



# Societal challenges

**Health, demographic change and wellbeing**

**Food security, sustainable agriculture, marine and maritime research & the bioeconomy**

**Secure, clean and efficient energy (+ Euratom)**

**Smart, green and integrated transport**

**Climate action, resource efficiency and raw materials**

**Inclusive, innovative and secure societies**



# EIT and JRC

## **European Institute of Innovation and Technology (EIT)**

*Combining research, innovation & training in Knowledge and Innovation  
Communities (KIC)*

## **Joint Research Centre (JRC)**

*Providing robust, evidence base for EU policies*



# On-going and future EU R&I activities

- **FP7-SSH-2012 Call (Deadline 2/2/2012)**
- **Parliament and Council negotiations on EU budget 2014-20, incl. overall budget for Horizon 2020**
- **Mid 2012: Final calls under FP7**
- **By end 2013: Adoption of legislative acts by Parliament and Council on Horizon 2020**
- **Beginning 2014: launch of the first calls of Horizon 2020**

