



EUROPEAN  
COMMISSION

Community research

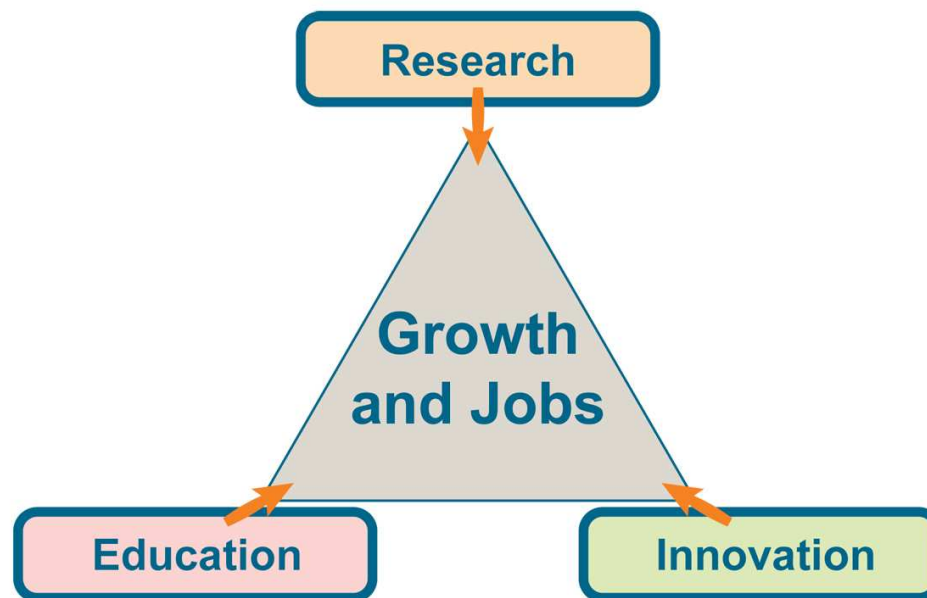
Building a  
**Europe** of  
Knowledge

The **Seventh**  
Framework  
Programme  
2007-2013

Robert-Jan Smits  
DG Research  
European Commission



# Lisbon strategy



S&T contributes to the **Lisbon** objectives: economic **growth**, **employment** creation, **environmental** protection, **social** challenges: fight **poverty**, improve human **health** and **quality** of life (GSM, remote working, safe roads, etc.)



## R&D – Europe's challenges

	EU-25	US	Japan
<b>R&amp;D intensity (% of GDP) (2004)</b>	1.86	2.66	3.18
<b>Share of R&amp;D financed by industry (%) <sup>(1)</sup></b>	54.8	63.7	74.8
<b>Researchers (FTE) per thousand labour force <sup>(2)</sup></b>	5.5	9.1	10.1
<b>Share of world scientific publications (%) (2003)</b>	38.3	31.1	9.6
<b>Scientific publications per million population (2003)</b>	639	809	569
<b>Share of world triadic patents (%) (2000)</b>	31.5	34.3	26.9
<b>Triadic patents per million population (2000)</b>	30.5	53.1	92.6
<b>High-tech exports as a share of total manufacturing exports (%) (2003)</b>	19.7	28.5	26.5
<b>Share of world high-tech exports (%) (2003)</b>	16.7	19.5	10.6

Data: Eurostat, OECD.

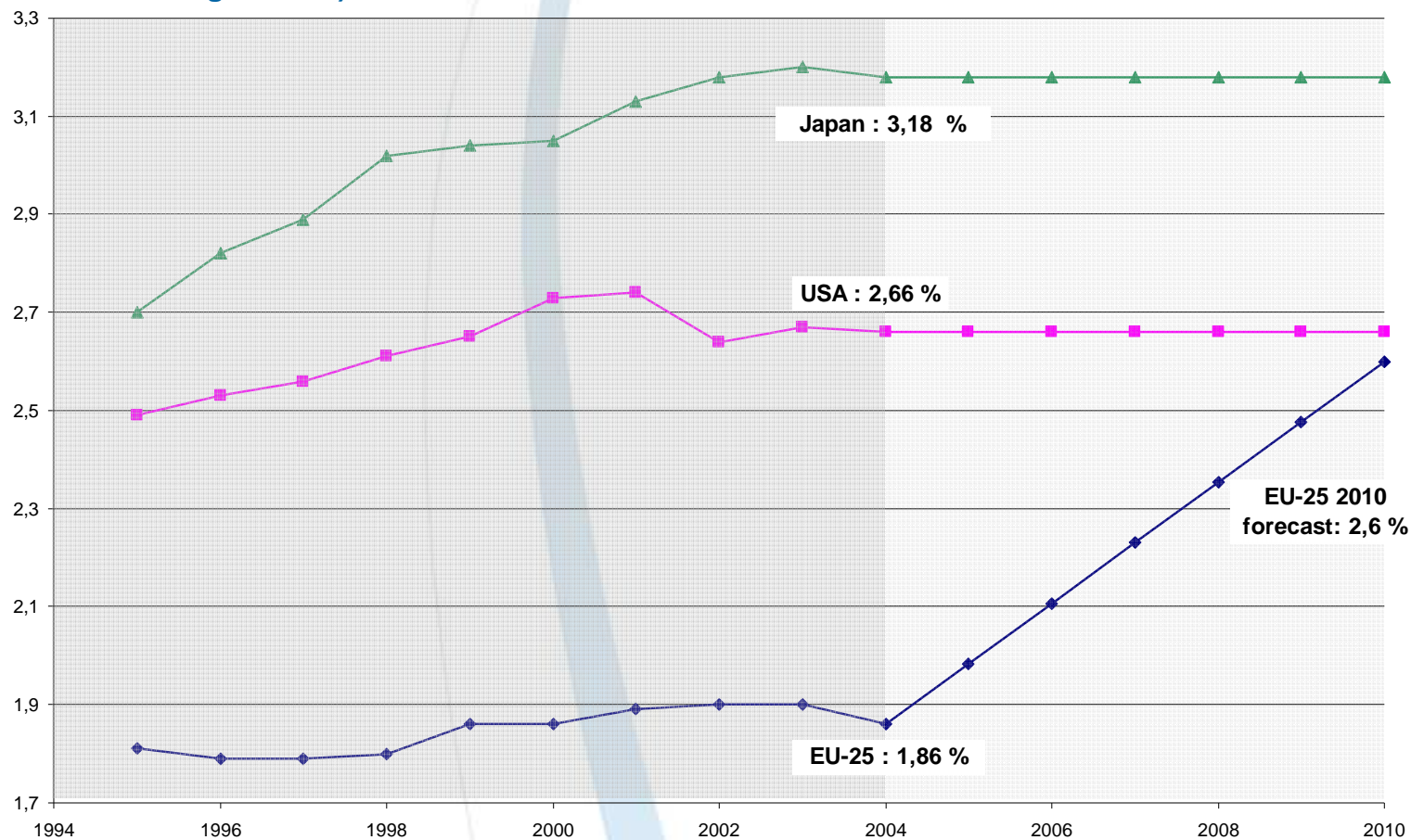
Source: DG Research

Notes: <sup>(1)</sup> EU-25: 2003; US, JP: 2004. <sup>(2)</sup> EU-25: 2004; US: 2002; JP: 2003.



# Research: filling the gap (total expenditure on R&D as % of GDP, 2004)

(EU-25 extrapolation based on R&D intensity targets put forward by Member States in their respective National Reform Programmes)

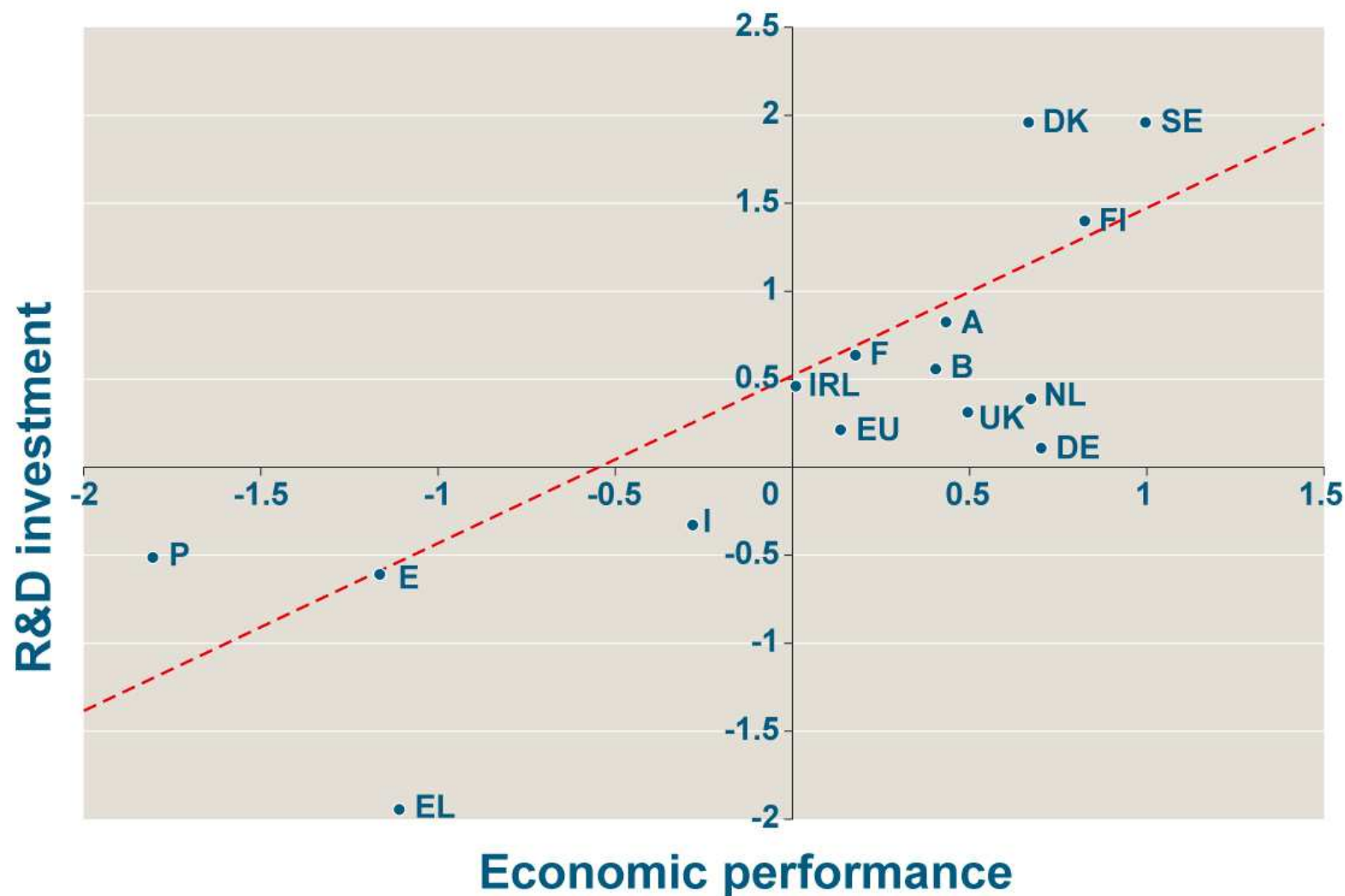


Data: Eurostat, OECD.

Source: DG Research



# Research and economic development





**FP7 EC (current prices)**

€ million



## FP7 and the Structural Funds: more synergies (1)

- FP 7 has a new regional dimension, under “Capacities”
  - Regions of Knowledge
  - Unlocking Research Potential
  - Research infrastructures





## FP7 / Structural Funds: more synergies (2)

- Structural Funds will reinforce R&D investment
  - R&D, innovation and entrepreneurship as the first priority in Convergence regions
  - Innovation and the knowledge economy as the first priority for the competitiveness and growth objective
  - Earmarking: at least 60% of funds for Lisbon priorities
- Complementary funding where possible
  - But no double funding...



Return to main  
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## Regions of Knowledge

*Two objectives for all European regions:*

**Strengthen their capacity for investing in RTD and carrying out research activities**

**Produce research strategies that contribute to regional economic development**

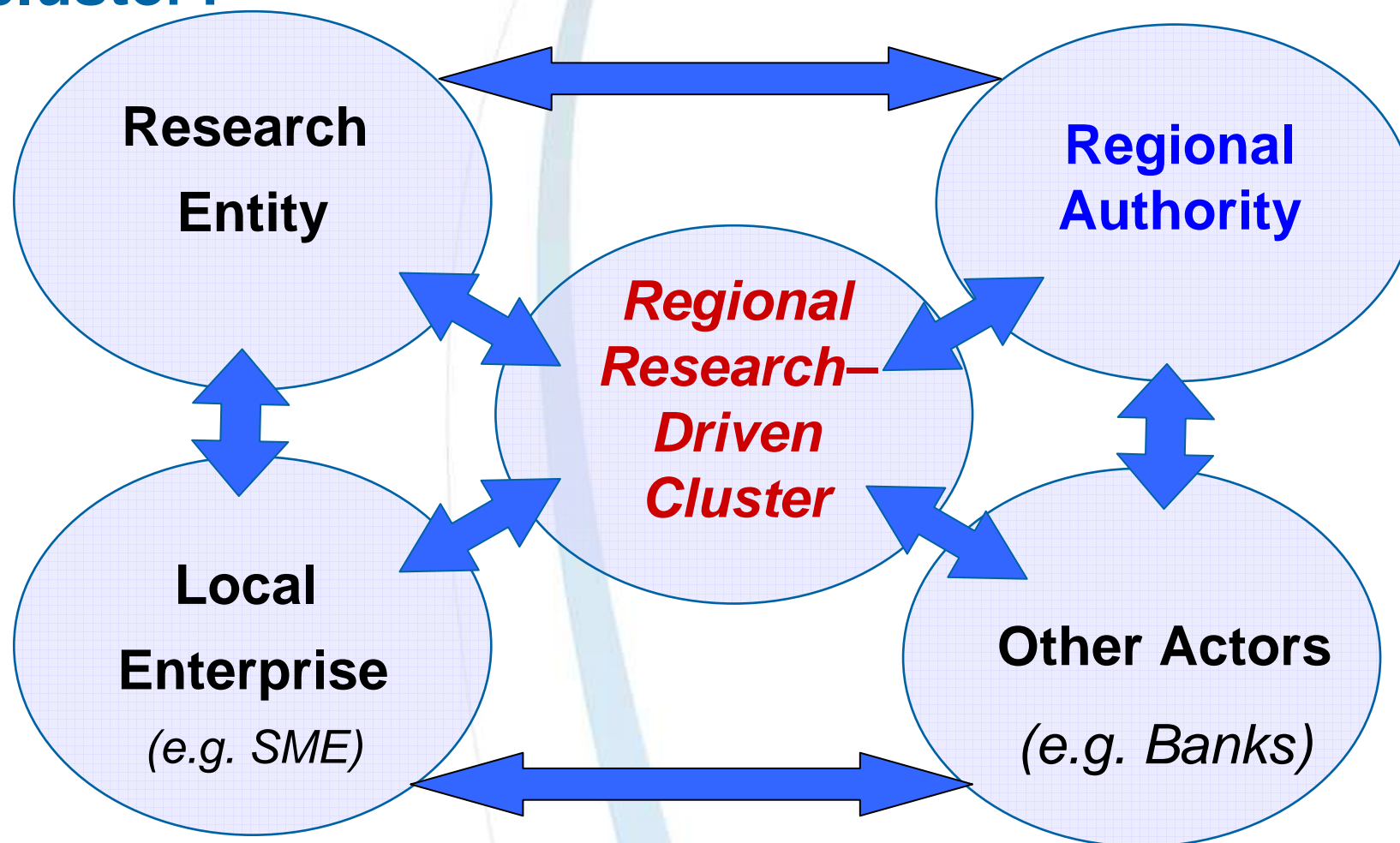
- Through the development of regional 'research-driven clusters'

More on Regions





## Regions of Knowledge: What is a cluster?





# Regions of Knowledge

- Activities:
  - Analyse, develop and implement research agendas
  - Develop deployment strategies, including mentoring
- Expected outcome:
  - Improve links between stakeholders and local business community
  - Foster transnational / cross-border cooperation
  - Improve research networking
  - Enhance mutual learning of regional actors



# Regions of Knowledge

- Expected impact:
  - ➔ Regional economical growth in selected domains
  - ➔ Better integration of research actors in regional economies
  - ➔ Response to the needs of regional business communities
  - ➔ Mobilisation of local, national and community funds to implement defined actions to support regional economic development
  - ➔ Synergies with other related EU policies



# Research Potential

- *Two objectives for EU's convergence and outermost (RUP) regions*

Unlock and develop  
their research capacities

Foster an increase  
in their participation to  
**Community research activities**

**To fully realise the European Research Area in the enlarged Union**

- Through:
  - ➔ Transnational two-way secondments and recruitment of staff
  - ➔ Development of research equipment and the material environment
  - ➔ Workshops and conferences for knowledge transfer
  - ➔ 'Evaluation facilities'

More on Research  
potential





# Realising the Full Research Potential of EU-25

## ■ Objectives

- Strengthen research potential in Convergence and outermost Regions through:
  - Increased international exposure and visibility
  - Demonstration of leadership capacity
  - Upgrading of equipment in excellence centres
- Lay foundation for long-term development
  - Participation as equal partners in the EU research area



# Realising the Full Research Potential of EU-25

- High-potential scheme
  - Strategic partnerships (twinning)
  - Selection on excellence criteria
  - In-built brain circulation, avoiding 'brain drain'
  - Funding for:
    - Seconded researchers, visiting scientists, recruitments
    - Research costs incl. specific equipment
    - Conferences and workshops for knowledge transfer
    - Participation in international events
  - Evaluation facility for institutions



Return to main  
presentation





# Realising the Full Research Potential of EU-25

- Expected impact:
  - contribution to RTD capacity building in the country,
  - enhanced participation in the 7th Framework Programme,
  - increased networking between research entities throughout the EU
  - upgrading of research capacities
  - better links with the economic and social environment,
  - increased job opportunities for young scientists



**Website :** <http://cordis.europa.eu/fp7>

**Calls & Docs :** <http://cordis.europa.eu/fp7/calls>

**Helpdesk :** <http://ec.europa.eu/research/enquiries>



**Thank you for your attention!**

**Robert-Jan Smits**