

**“Cooperation with the Joint Research Centre with Polish Research
Institutions”**

PERSPECTIVES FOR A EUROPEAN RESEARCH (AND INNOVATION) AREA

Prof. Jerzy Buzek

Member of the European Parliament

Rapporteur on FP7

Wroclaw, 6 July 2007

Lisbon Strategy

- At the **Lisbon European Council in 2000**, Europe set itself the goal of becoming the most competitive and dynamic **knowledge-based economy** in the world (so called Lisbon strategy). As the main driving force behind the creation of new knowledge, boosting **public and private investment in R&D** was recognised as pivotal to the Lisbon strategy.
- In recognition of this, the **Barcelona European Council** of 2002 called for the EU's overall research investment level as a **percentage of GDP (R&D intensity) to reach 3 % by 2010**, of which **two-thirds should be funded by the private sector** and one-third from public resources.

Towards a European Research Area

- **“Towards a European Research Area”**, Communication from the European Commission, **January 2000**
- **New political project** : European Research Area for integrating, strengthening and structuring research efforts in the EU
- **Wide and strong support** and understanding all over Europe

Towards a European Research Area ^{1/2}

ERA is based on the following elements:

- **Networking and integrating** R&D potential at the European level. **World class centres of excellence exist** in practically all disciplines in Europe.
- More **coherent** use of public instruments and resources. **National and European research programmes** should foster closer relations between European organisations for scientific and technological cooperation.

Towards a European Research Area ^{2/2}

- **More dynamic private investment** - better use instruments of **indirect support** (open, free market) **to research**, protecting **intellectual property**, creation of innovative **SMEs** and **risk capital** investment,
- **More abundant and more mobile human resources** - stepping up the mobility of researchers, increasing the **role of women and young scientists** in research,
- **More dynamic European landscape** - open and **attractive to researchers and investments**, reinforcing the **role of the regions** in European research, integrating the scientific communities of **western and eastern Europe**.

ERA and FPs mission

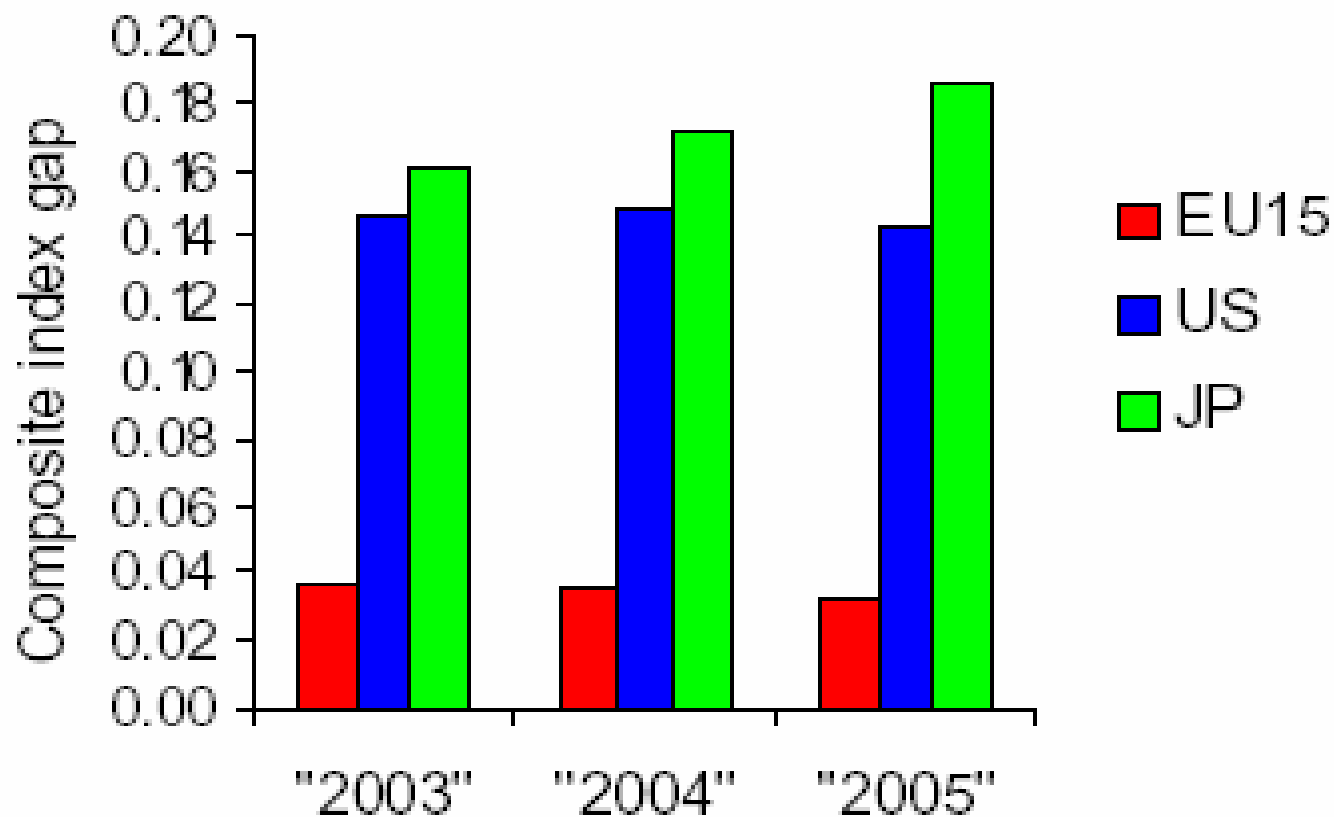
European funding (FPs), represents only around **6%** of total research public funding in EU. It means, **94%** of public funds for research are invested **at national level**.

Thus: mission of the ERA is to strengthen the European added value and to achieve synergy between regional, national and european level within 27 Member States.

The best tool: Framework Programmes for R&D

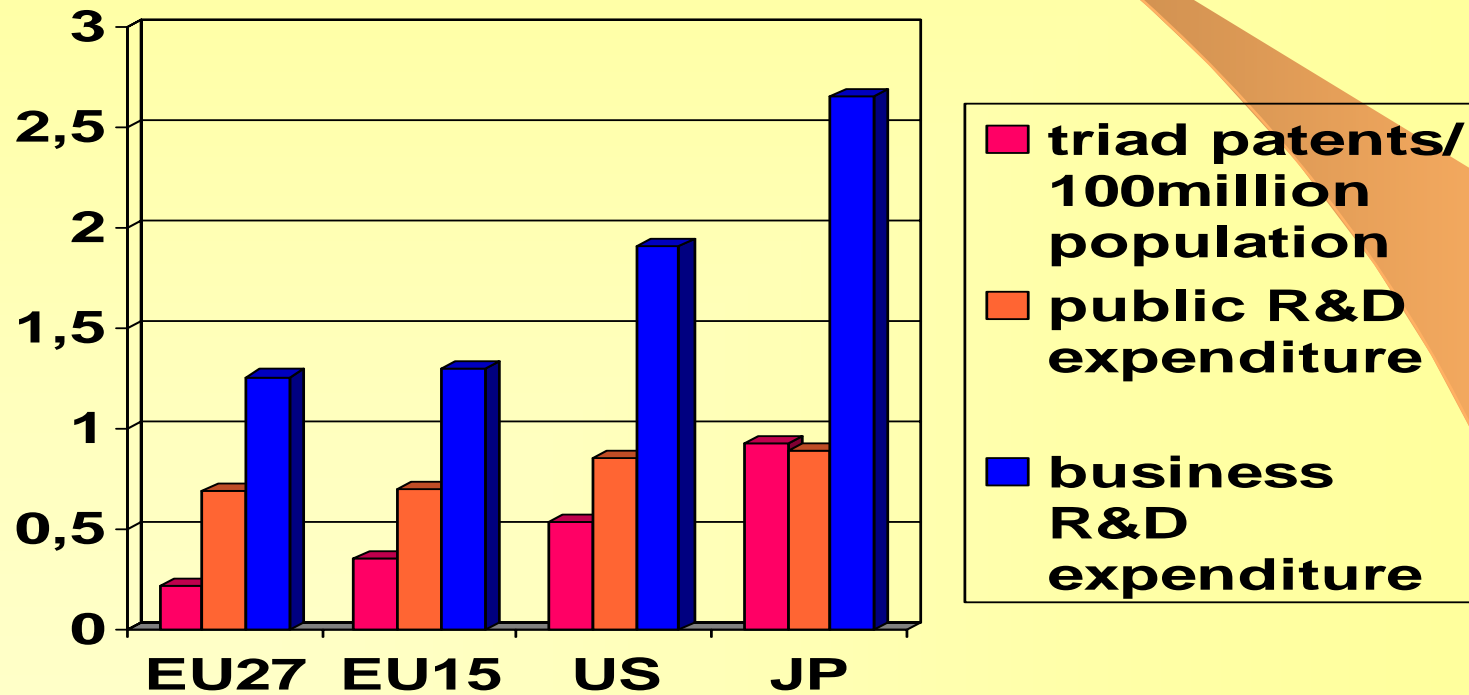
- More money for R&D is the first step
- Triangle of Knowledge: education, research, innovation
- Building the European Research (and Innovation) Area

EU25 innovation gap towards ...



EU25 equal to 0.00

Current Performance



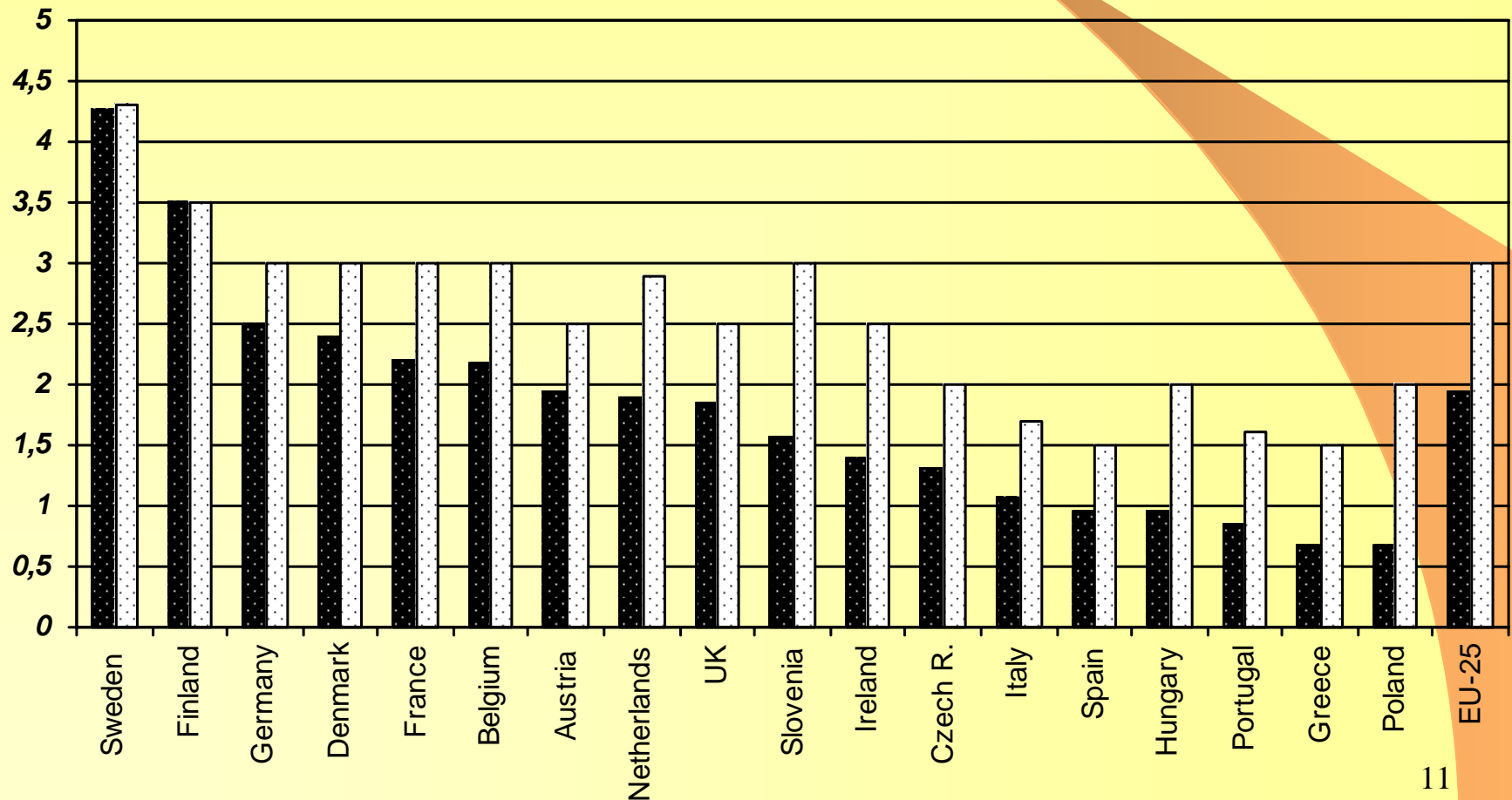
Renewed Lisbon Strategy

The Wim Kok Report has identified as one of the top five areas of the **development of a knowledge-based society** policy.

The following actions were recommended:

- “setting up of an **area of research and innovation**;
- boosting spending on R&D - 3% of GDP;
- promoting new technologies”,

Gross Expenditure on R&D as % GDP/GNP in 2001 and target expenditure in 2010



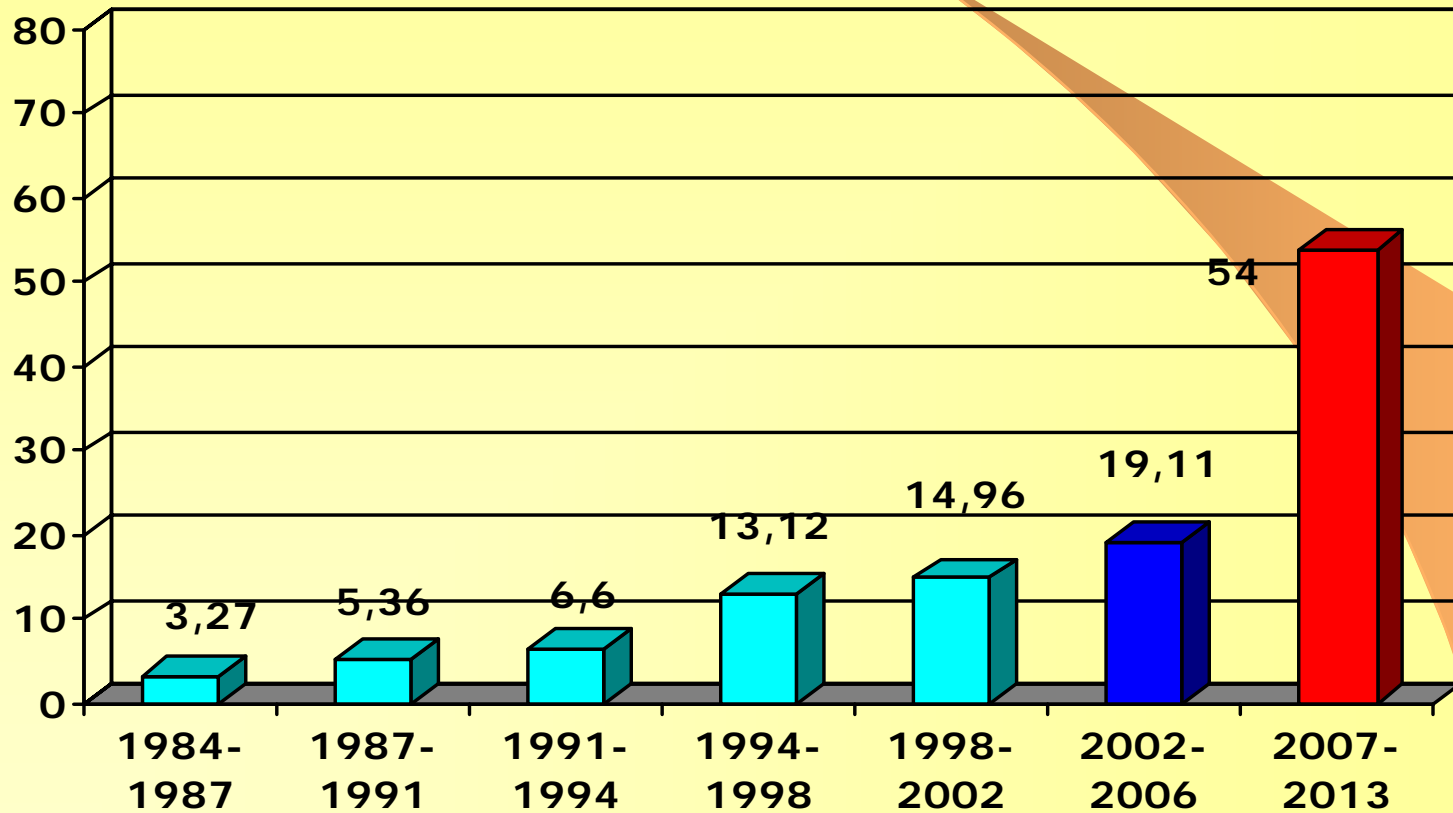
Triangle of Knowledge in the EU

Programme	Budget
<i>7th Framework Programme</i>	54 billion euro from 2007 to 2013
<i>Structural and Cohesion Funds</i>	308 billion euro for 2007-2013
<i>Competitiveness and Innovation Framework Programme</i>	3.2 billion euro
<i>Education and Training Programmes</i>	approx. 2 billion euro
<i>The Quick-start Programme</i>	total investments €60 billion for 2003 - 2010.

EUROPEAN RESEARCH (AND INNOVATION) AREA

Development of the **European Research (and Innovation) Area**, which will orient our efforts towards closer **integration of research with innovation, development of technologies with demonstration and commercialization,** development of pools/centers of scientific and technological excellence and **large infrastructure** that can attract and retain high value added business investments.

Growing Budget of the Framework Programmes for R&D



7th Framework Programme

***Cooperation* – Collaborative research**

***Ideas* – Frontier Research**

***People* – Human Potential**

***Capacities* – Research Capacity**

+

JRC (non-nuclear)

JRC (nuclear)

Euratom

FP7 – balance between old and new instruments

Novelties – fostering ER(I)A

- Joint Technology Initiatives
- New thematic priorities
- European Research Council
- Risk Sharing Finance Facility
- Capacities: infrastructures, Regions of Knowledge, Research Potential

FP7 – balance between old and new instruments

Continuation of successful initiatives – fostering ER(I)A

- Technology Platforms
- Collaborative research
- Marie Curie actions
- Support for SMEs, Network of Excellence
- International cooperation

Continuation of successful initiatives

Joint Research Centre

- Importance of technical and scientific support for EU decision making
- Fundamental role in a knowledge-based society based on research-intensive economy
- Linking research, technology, economy and society

Continuation of successful initiatives

JRC possible contribution to ER(I)A, if more open to the society

- **Unlocking the EU potential**, in all regions
- Stimulating cooperation
- Increasing the European added value creation
- **More visibility and accessibility**, better communication (European Parliament role)

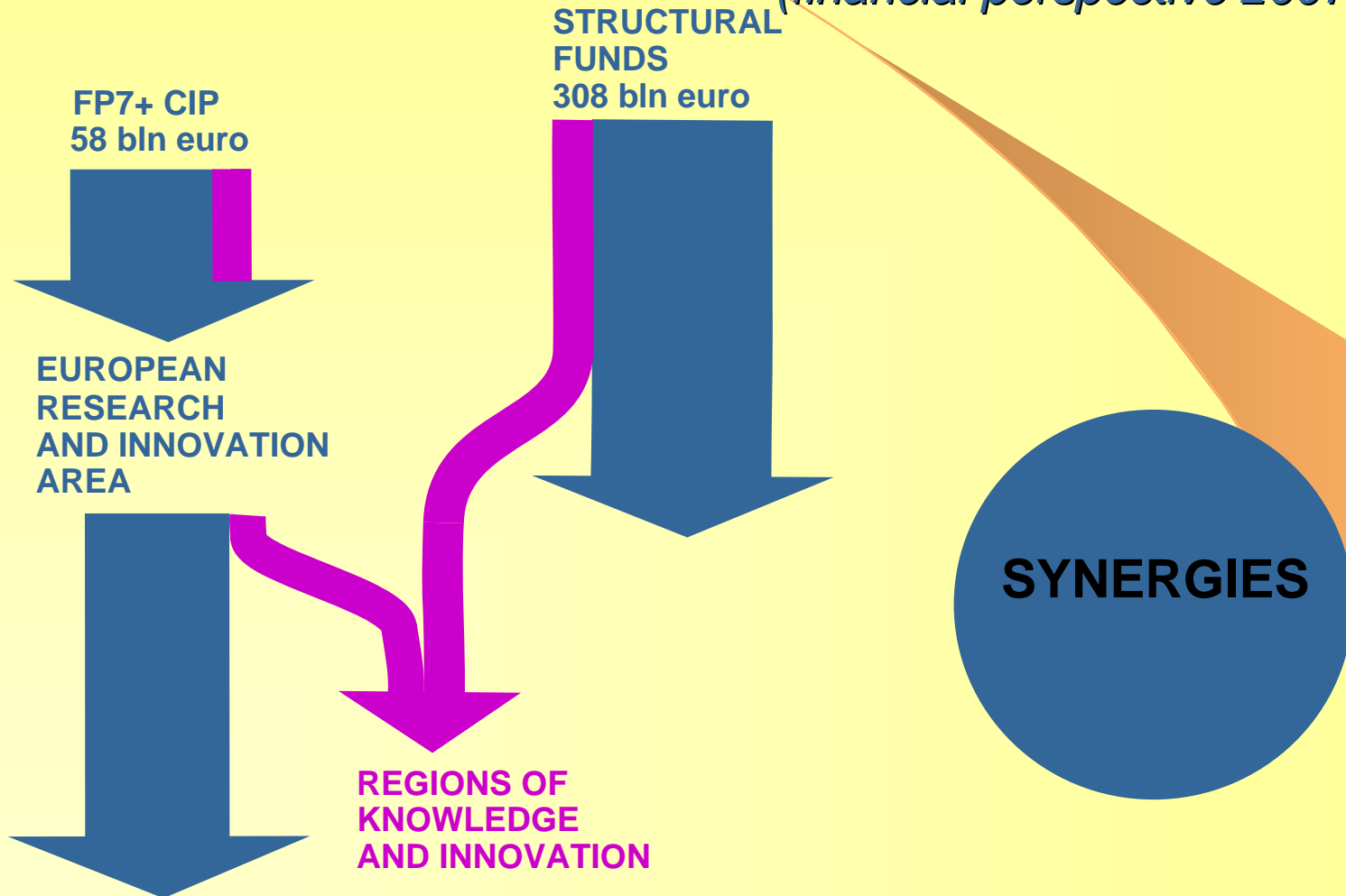
ER(I)A – unlocking potential through stronger integration

Transition to the knowledge-based economy

- driven by **researchers, scientists and industrialists** because they understand perfectly all the benefits of a strong and unified EU,
- dynamized by the **regional development**
- possible contribution of the JRC

Regions of Knowledge and Innovation

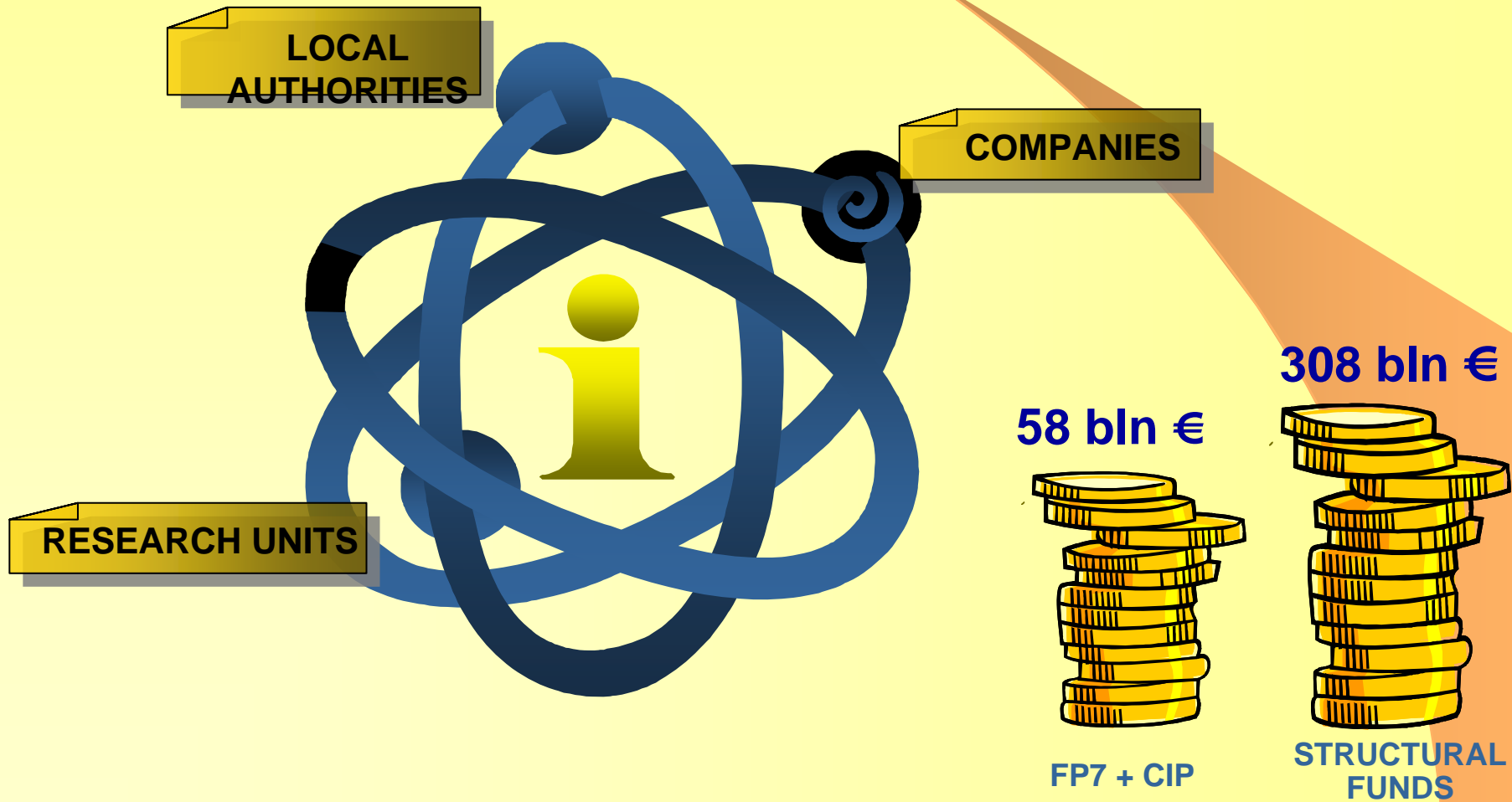
(financial perspective 2007-2013)



Regions of Knowledge and Innovation

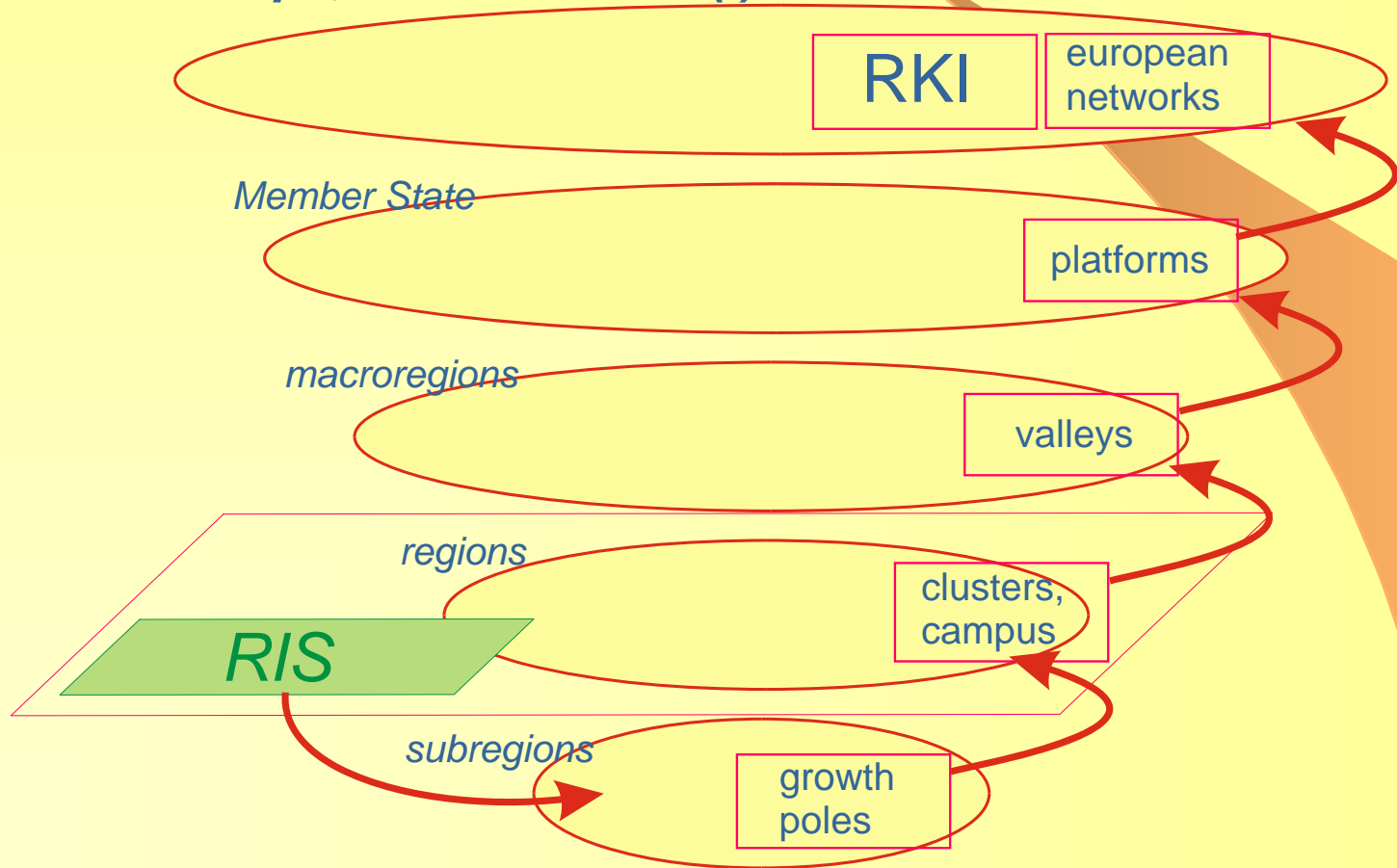
(financing)

Regions of Knowledge and Innovation – GOLDEN TRIANGLE



Integration level of Innovative and Technological Initiatives

Europe, creation of ER(I)A



Reinforced ERA emerging

European Commission, Green Paper COM(2007)161, 2007

- Realising a single labour market for researchers
- Developing world-class research infrastructures
- Strengthening research institutions
- Sharing knowledge
- Optimising research programmes and priorities
- Opening to the world: international cooperation

Towards ER(I)A

- European patents
- Improving the tax environment for R&D
- Raising research management skills level
- European Institute of Technology

European Research (and Innovation) Area

European Institute of Technology: a booster

- Integral approach linking **education**,
research and **innovation**,
- Concentration of excellent efforts
- Networking
- **Unlocking EU-27 potential**, if properly
situated

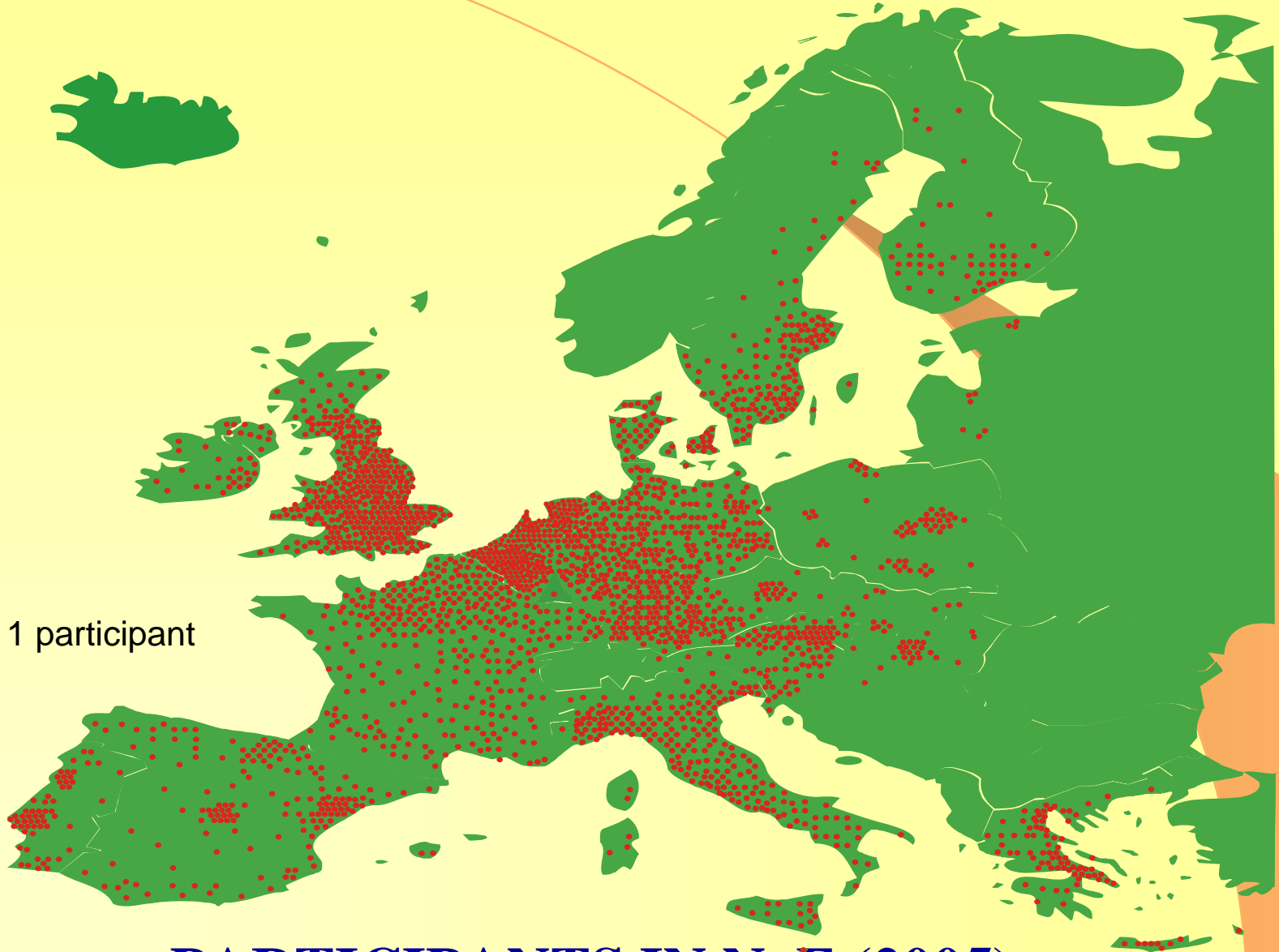
Higher Education in EU-27

MEMBER STATES	STUDENTS IN TERTIARY EDUCATION (2004), % OF TOTAL POPULATION
FRANCE	3.6%
UK	3.7%
DENMARK	4.0%
HUNGARY	4.2%
SLOVENIA	5.2%
POLAND	5.3%

Source: Eurostat

UNLOCKING EXISTING R&D POTENTIAL IN ALL REGIONS

1 point = 1 participant



PARTICIPANTS IN NoE (2005)

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***Thank you
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