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*Building the Europe of Knowledge*

# Towards the Seventh Framework Programme 2007-2013

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European Commission  
Research DG  
13 May 2005



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# EU research: the story so far

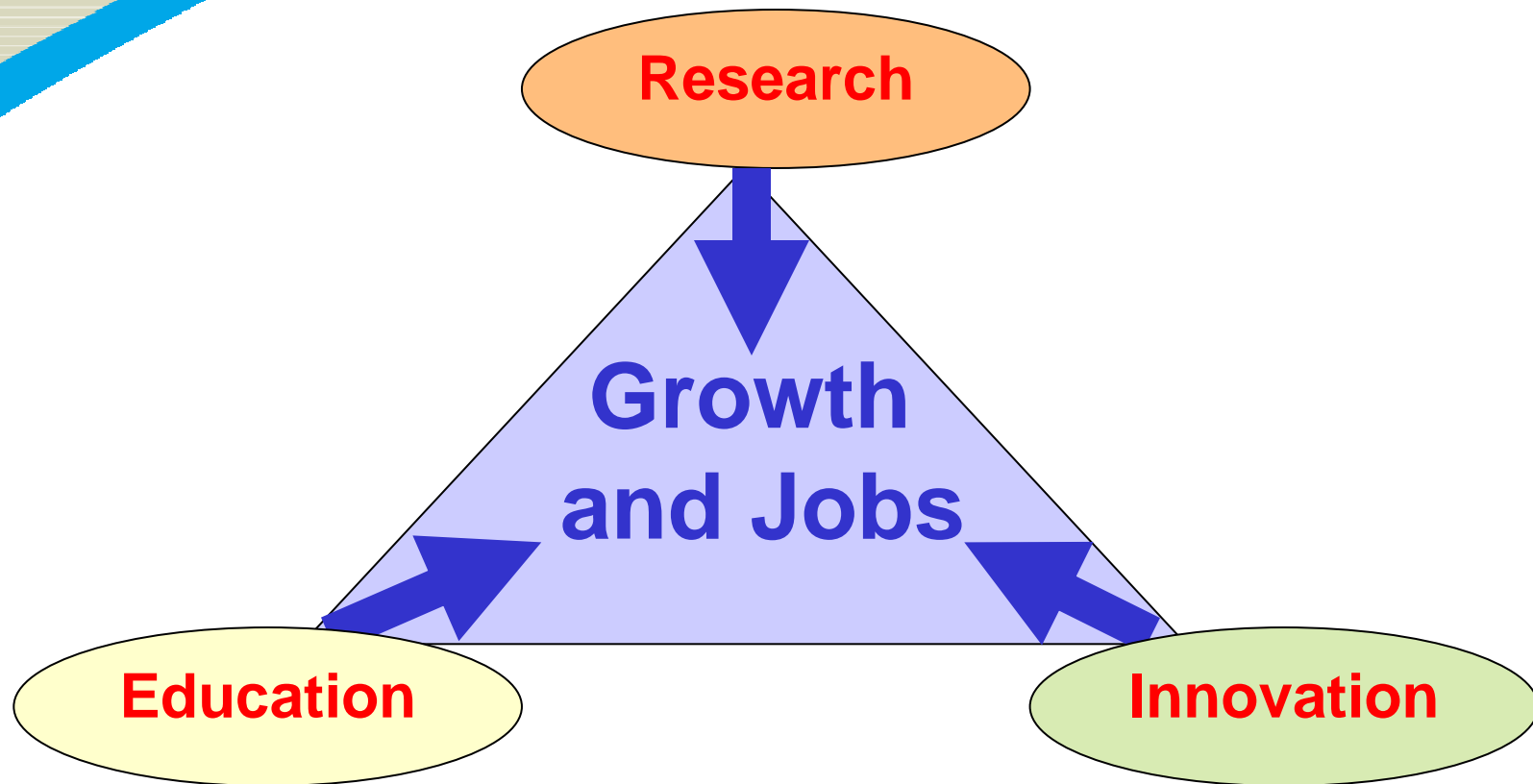
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- 1952: ECSC treaty; first projects started March 1955
  - 1957: EURATOM treaty; Joint Research Centre set up
  - 1983: ESPRIT programme
  - 1984: **First** Framework Programme (1984-1987)
  - 1987: “European Single Act” - science becomes a Community responsibility;  
**Second** Framework Programme (1987-1991)
  - 1990: **Third** Framework Programme (1990-1994)
  - 1993: Treaty on European Union;  
role of RTD in the EU enlarged
  - 1994: **Fourth** Framework Programme (1994-1998)
  - 1998: **Fifth** Framework Programme (1998-2002)
  - 2000: European Research Area
  - 2002: **Sixth** Framework Programme (2002-2006)
  - 2005: Proposal for the **Seventh** Framework Programme (2007-2013)



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# 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.)

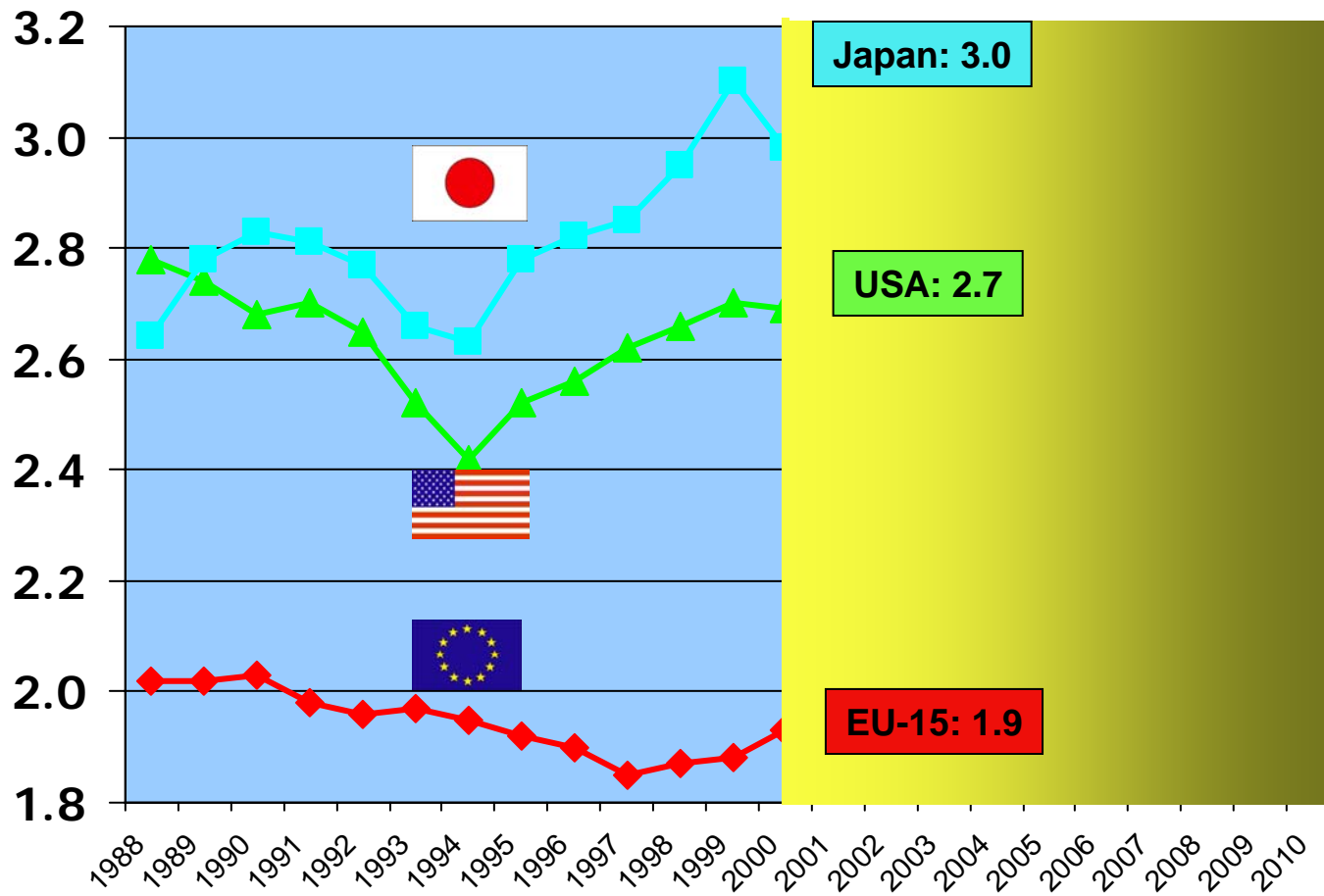


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# Research: Bridging the gap

Total expenditure on R&D, % of GDP  
Barcelona Summit, 2001





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## Why double the FP7 budget?

- **Tackle under-investment by exerting leverage on national and private investment**
- **Tackle fragmentation of research effort in the EU and enhance its efficiency and effectiveness**
- **Strengthen and broaden the scope of the FP**
- **Help to meet new S&T challenges**
- **Reinvigorate the Lisbon strategy**



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# FP7 2007 - 2013

Specific Programmes

***Cooperation – Collaborative research***

***Ideas – Frontier Research***

***People – Human Potential***

***Capacities – Research Capacity***

+

**JRC (non-nuclear)**

**JRC (nuclear)**

**Euratom**



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# ***Cooperation* – Collaborative research**

## *9 Thematic Priorities*

1. **Health**
2. **Food, agriculture and biotechnology**
3. **Information and communication technologies**
4. **Nanosciences, nanotechnologies, materials and new production technologies**
5. **Energy**
6. **Environment (including climate change)**
7. **Transport (including aeronautics)**
8. **Socio-economic sciences and the humanities**
9. **Security and space**

+ Euratom: Fusion energy research, nuclear fission and radiation protection



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## ***Cooperation* – Collaborative research (1)**

- **Under each theme there will be sufficient flexibility to address both *Emerging needs* and *Unforeseen policy needs***
- **Dissemination of knowledge and transfer of results will be supported in all thematic areas**





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## ***Cooperation* – Collaborative research (2)**

### **Collaborative research**

**(Collaborative projects; Networks of Excellence; Coordination/support actions)**

### **Joint Technology Initiatives**

**Coordination of non-Community research programmes  
(ERA-NET; ERA-NET+; Article 169)**

### **International Cooperation**



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# Joint Technology Initiatives

**Hydrogen  
and Fuel Cells for a  
Sustainable Energy  
Future**

**Global Monitoring  
for Environment  
and Security**

**Aeronautics and  
Air Transport**

**Innovative Medicines  
for the Citizens  
of Europe**

**Towards new  
Nanoelectronics  
Approaches**

**Embedded systems**

*Other possible themes  
to be identified later...*



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# Coordination of non-Community research programmes

- **Coordination of national and regional programmes - actions will use the tools:**
  - ERA-NET
  - ERA-NET PLUS
  - Article 169

May cover subjects beyond the nine themes
- **Coordination with European programmes**
  - Addresses principally intergovernmental structures such as EUREKA, COST, etc



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## ***Ideas – Frontier Research***

- **Frontier research**
- **Support to individual teams, to promote excellence through Europe-wide competition**
- **Dedicated implementation structure (Executive Agency)**
- **Independent scientific governance (Scientific Council)**
- **Simplified grant mechanism**



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# ***People – Human Potential***

## **Initial training of researchers**

Marie Curie Networks

## **Life-long training and career development**

Individual Fellowships

Co-financing of regional/national/international programmes

## **Industry-academia pathways and partnerships**

Industry-Academia Scheme

## **International dimension**

Outgoing International Fellowships; Incoming International Fellowships

International Cooperation Scheme; Reintegration grants

## **Specific actions**

Excellence awards



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## ***Capacities* – Research Capacity**

1. **Research Infrastructures**
2. **Research for the benefit of SMEs**
3. **Regions of Knowledge**
4. **Research Potential**
5. **Science in Society**
6. **Activities of International Cooperation**



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# Simplification of procedures

## Measures proposed:

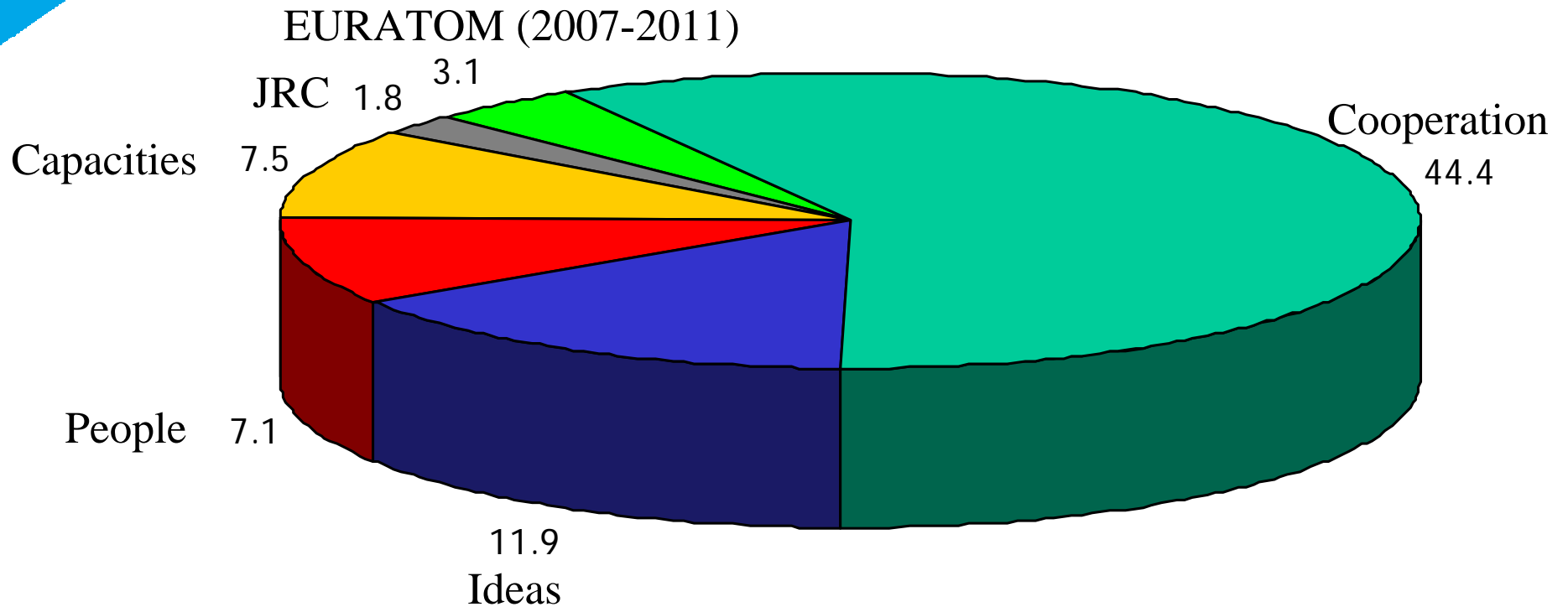
- Rationalising the funding schemes
- Simpler language
- Reducing burden on participants



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# FP7 budget (2007-2013) (EUR billion)







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# FP7 2007-2013 'Cooperation' budget

<b>I. Cooperation</b>	<b>Budget (€million, 2004 constant prices)</b>
1. Health	8 1317
2. Biotechnology, food and agriculture	2 455
3. Information society	12 670
4. Nanotechnologies, materials and production	4 832
5. Energy	2 931
6. Environment	2 535
7. Transport	5 940
8. Socio-economic research	792
9. Security and space	3 960
<b>Total</b>	<b>44 432</b>



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## FP7 and CIP

- **Technological innovation: a shared objective**
- **Complementary and mutual reinforcing actions**
- **Designed to operate side by side in support of Lisbon objectives**
- **Close coordination**

***[CIP: Competitiveness and Innovation Programme]***



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# FP7 Timetable

<b>6 April 2005</b>	<b>Commission's proposal</b>
<b>September 2005 ?</b>	<b>Specific programmes' proposal</b>
<b>December 2005 ?</b>	<b>First reading at EP</b>
<b>January 2006 ?</b>	<b>Common position at Council</b>
<b>March 2006 ?</b>	<b>Second reading and approval at EP</b>
<b>June 2006 ?</b>	<b>Adoption</b>
<b>November 2006 ?</b>	<b>First calls for proposals</b>
<b>December 2006 ?</b>	<b>Launch Conference</b>



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# Information

- EU research: <http://europa.eu.int/comm/research>
- Seventh Framework Programme:  
[http://europa.eu.int/comm/research/future/index\\_en.cfm](http://europa.eu.int/comm/research/future/index_en.cfm)
- Information on research programmes and projects:  
<http://www.cordis.lu>
- RTD info magazine:  
<http://europa.eu.int/comm/research/rtdinfo/>
- Information requests:  
[research@cec.eu.int](mailto:research@cec.eu.int)

