

European Research and the Seventh Framework Programme. The role of Regions

Stefano Puppin European Commission DG Research

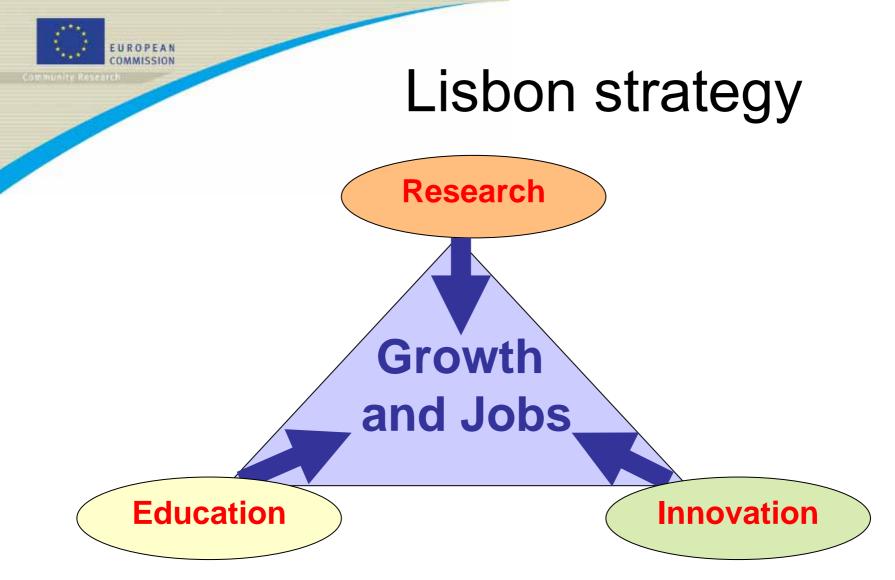
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WHY RESEARCH

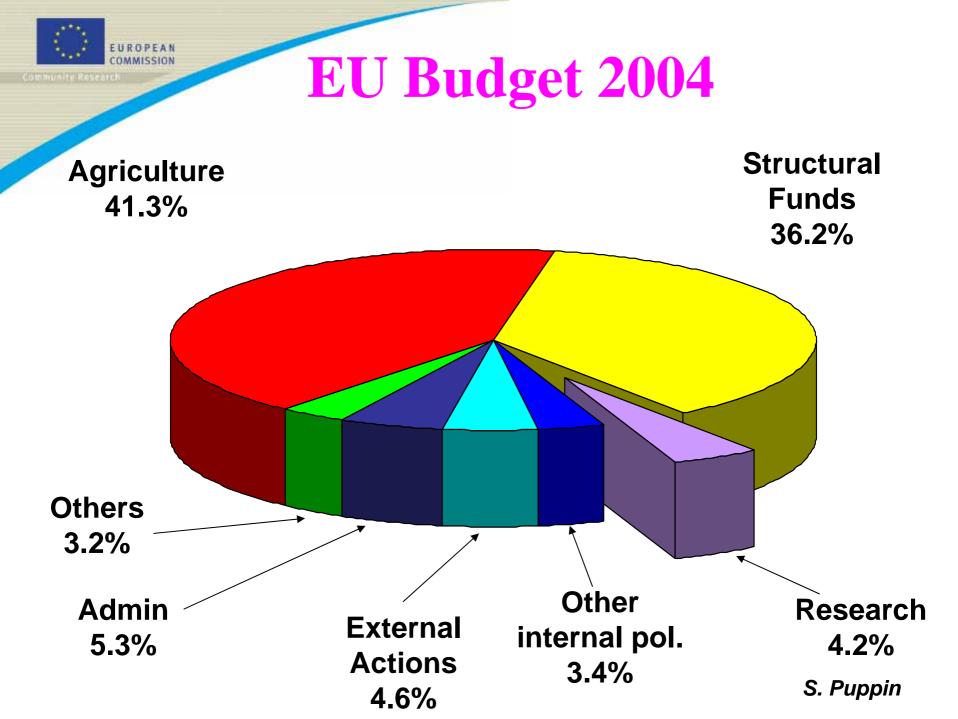
- To generate new knowledge
- To support innovation, competitiveness & job creation
- To contribute to sustainable development
- Etc etc etc

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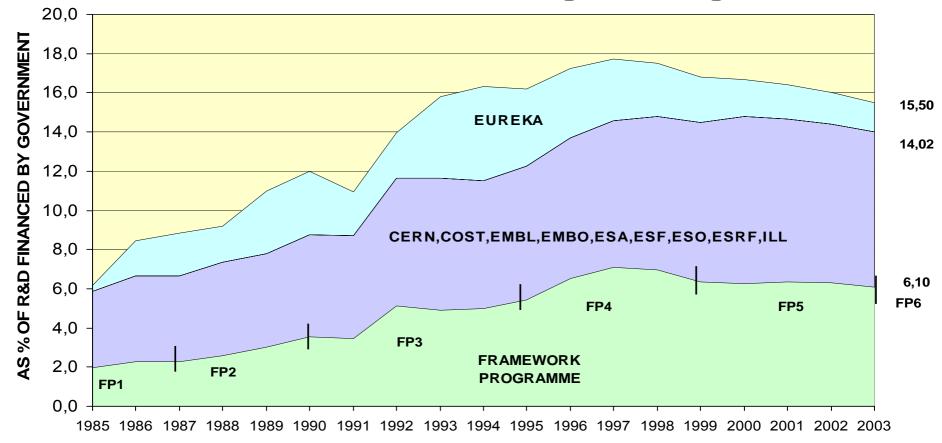
S&T contributes to the **Lisbon** objectives: economic **growth**, **employment** creation, **environmental** protection, **social** challenges: fight **poverty**, improve human **health** and **quality** of life (GSM, remote working, safe roads, etc.)

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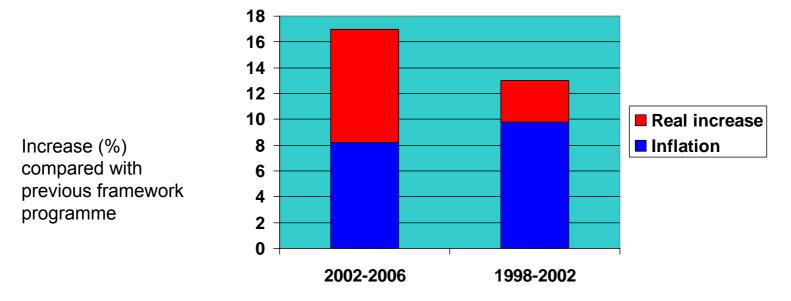
European research: increasing budgets





FP6 BUDGET

- Budget: EUR ~17.5 billion (~19.2 after enlargement)
- Budget: EUR ~5 billion in 2005
- = ~ 4% of the EU's budget
- = $\sim 6\%$ of the EU's public (civilian) research budget



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EU Research Policy

- > European Research Area
 - > creation of an "internal market" in research (free movement, EU added value)
 - restructuring of EU research fabric (improved coordination)
 - Not only financing, but consider all relevant aspects
- > Raise RTD investment to 3% of GDP (1% public, 2% private)

FP7: Improve EU competitiveness

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FP7: Improve EU competitiveness

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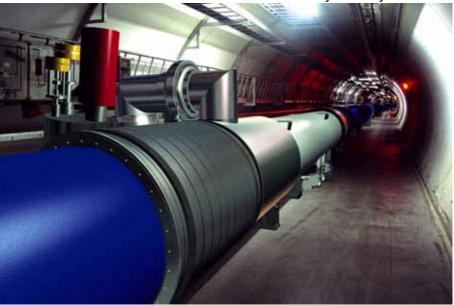


Success through co-operation



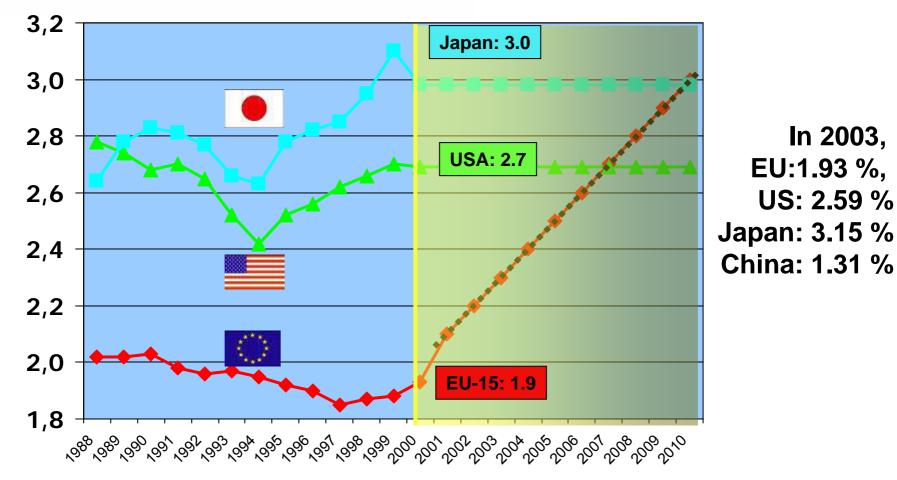


By courtesy of Airbus



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Research: filling the gap Total expenditure on R&D, % of GDP Barcelona Summit, 2001

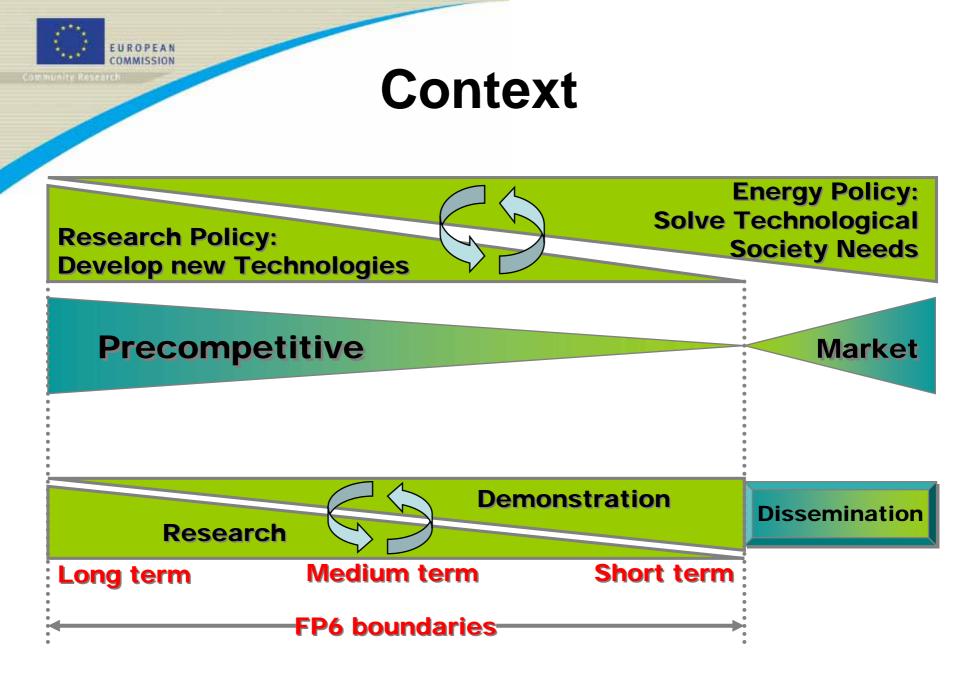




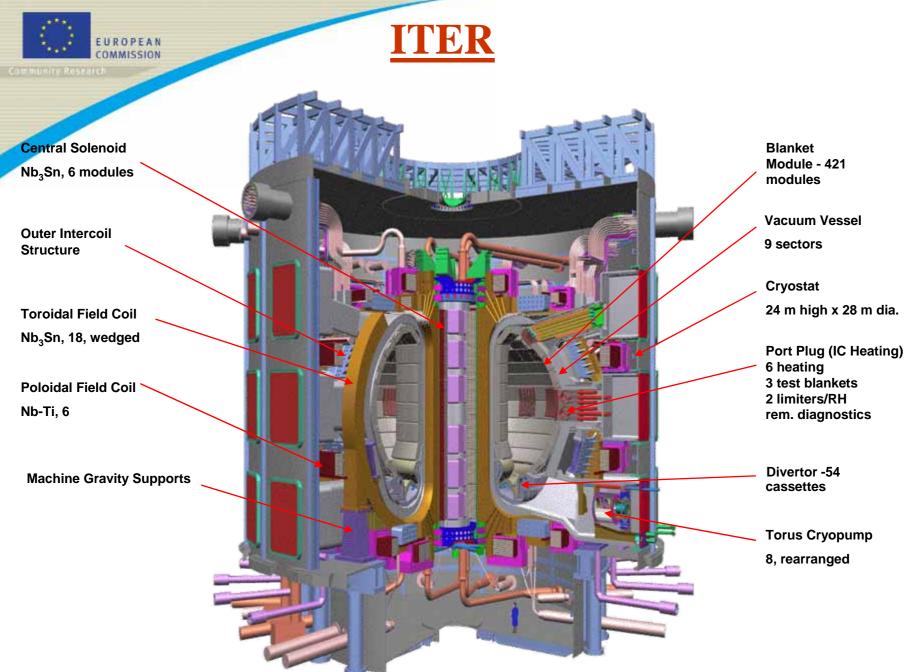
EU Energy Policy

- Security of EU energy supply
- Reduction of EU greenhouse gases and pollutant emissions
- > Improve energy efficiency & share of renewable energy

Support the functioning of the internal market



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EUROPEIn-situ Laboratory for Geological Storage of CO₂ ALSSION - Integrated Project CO₂SINK -LAND CO,SINF BRANDENBURG GeoForschungsZentrum Potsdam (D) GFZ FOS. Freiberg G.E.O.S. Freiberg Ingenieurgesellschaft (D) Ingenieurgesellschaft mbH POTSDAM Geological Survey of Denmark and Greenland (DK) Mineral and Energy Economy Research Institute (PL) Det Norske Veritas (N) Statoil (N) Shell International Exploration and Production (NL) University of Stuttgart (D) Vibrometric Finland (Fi) University of Kent (GB) Uppsala University (S) Uppsala Geophysics RW **RWE Power AG (D)** Power International Energy Agency – Greenhouse Gas Programme (GB) Vattenfall Europe Generation (D) VATTENFALL

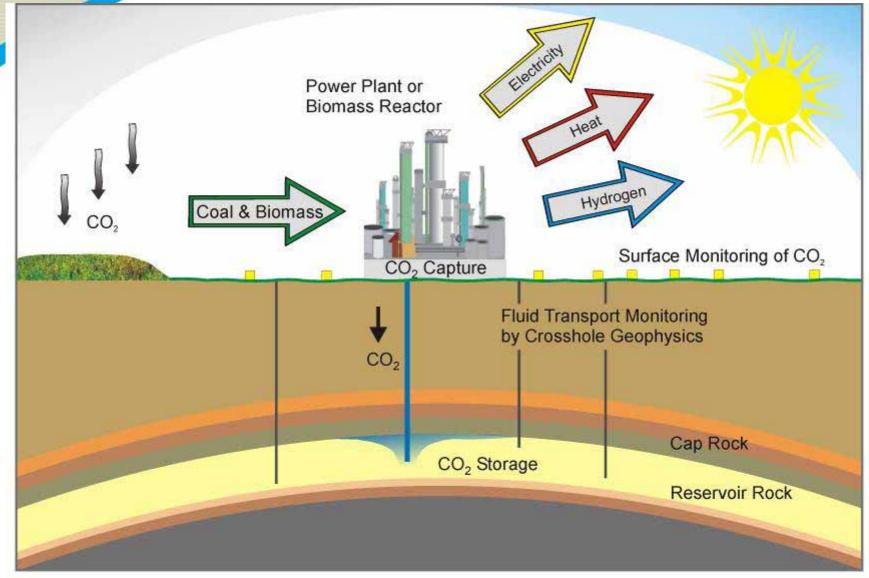
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Aerial View of the Natural Gas Storage Ketzin (near Berlin)



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CO₂SINK In-situ R&D Laboratory for Geological Storage of Carbon Dioxide



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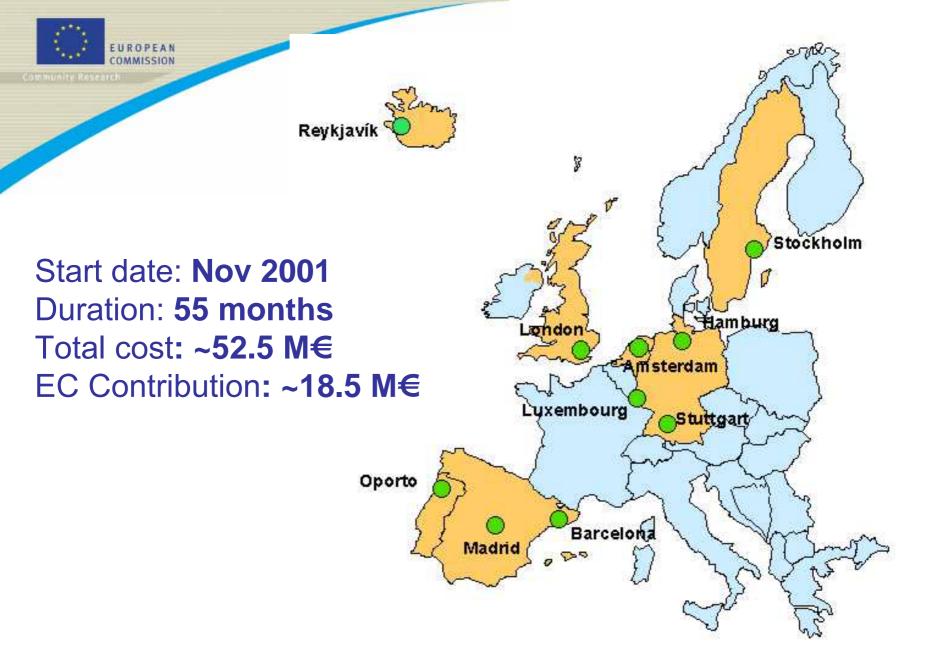
EUROPEAN COMMISSION



CUTE & ECTOS

- CUTE (<u>Clean Urban</u> <u>Transport for Europe</u>)
 is a European Union project initiative to test three Citaro fuel cell buses each in nine cities in Europe.
- ECTOS (<u>E</u>cological <u>City TranspOrt</u> <u>System</u>) – three more busses in Reykjavik



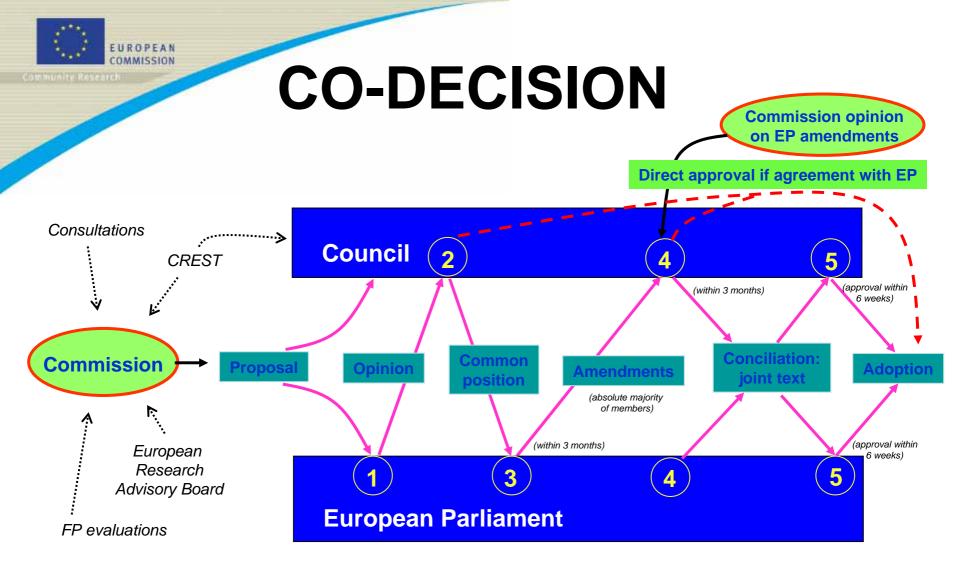


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Commission Proposal for the SEVENTH FRAMEWORK PROGRAMME

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Council decides by qualified majority except on EP amendments not approved by the Commission



WHAT'S NEW in FP7 (1/2)

- Annual budget doubled (EUR 5 billion ► 10 billion)
- Emphasis on **RTD themes** rather than on "instruments"
- Significant **simplification** of its operation
- Focus on developing research that meets the needs of European industry, through the work of Technology Platforms and the new Joint Technology Initiatives
- Basic research Establishment of a European Research Council

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WHAT'S NEW in FP7 (2/2)

- Integration of International co-operation in all four programmes
- Development of regions of knowledge
- A **Risk-Sharing Finance Facility** aimed at fostering private investment in research
- Logistical and administrative tasks transferred to external structures
- Programme length: 7 year

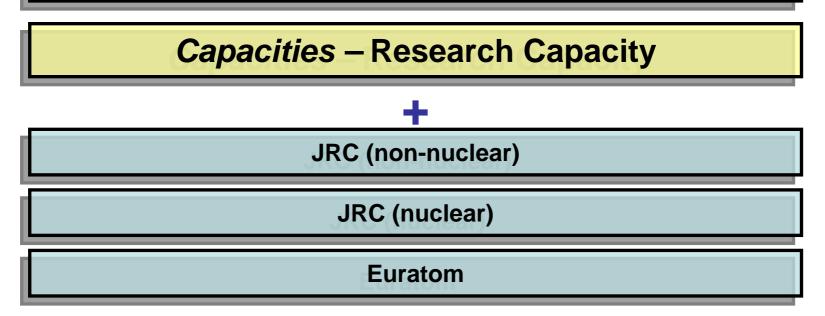


Specific Programmes

Cooperation – Collaborative research

Ideas – Frontier Research

People – Human Potential



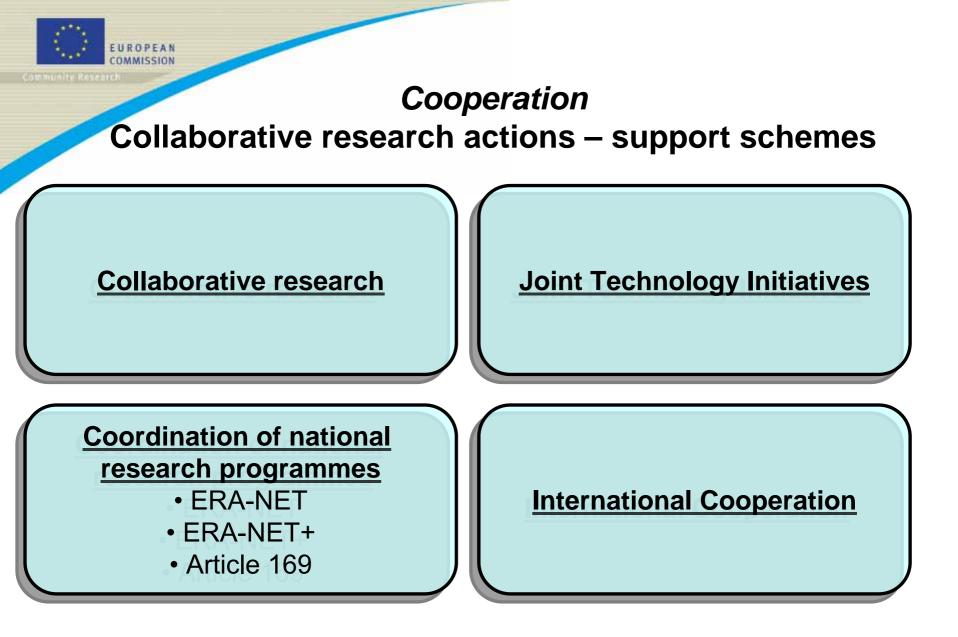
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Cooperation – Collaborative research

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 and climate change
- 7. Transport
- 8. Socio-Economic Sciences and the Humanities
- 9. Space and Security research

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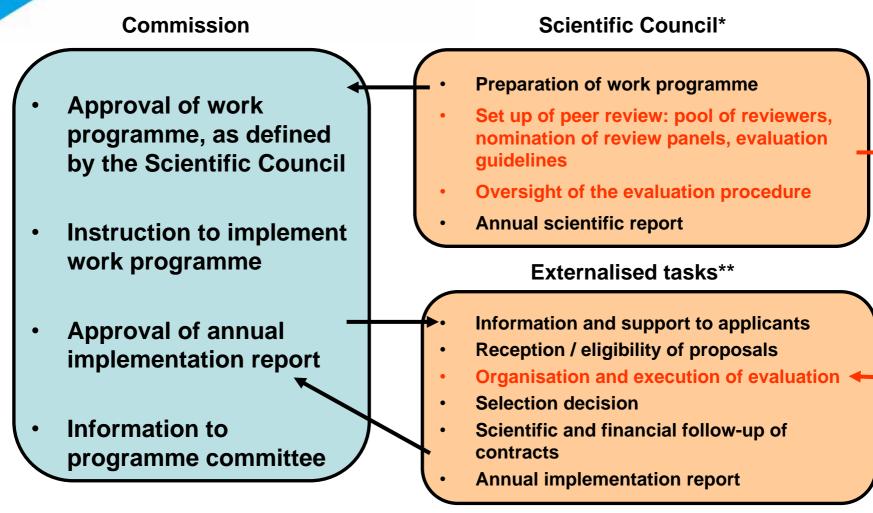


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Ideas – Frontier Research

ERC – European Research Council



More on Ideas

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- Created by Commission decision S. Puppin
- * * Under the responsibility of the Commission



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

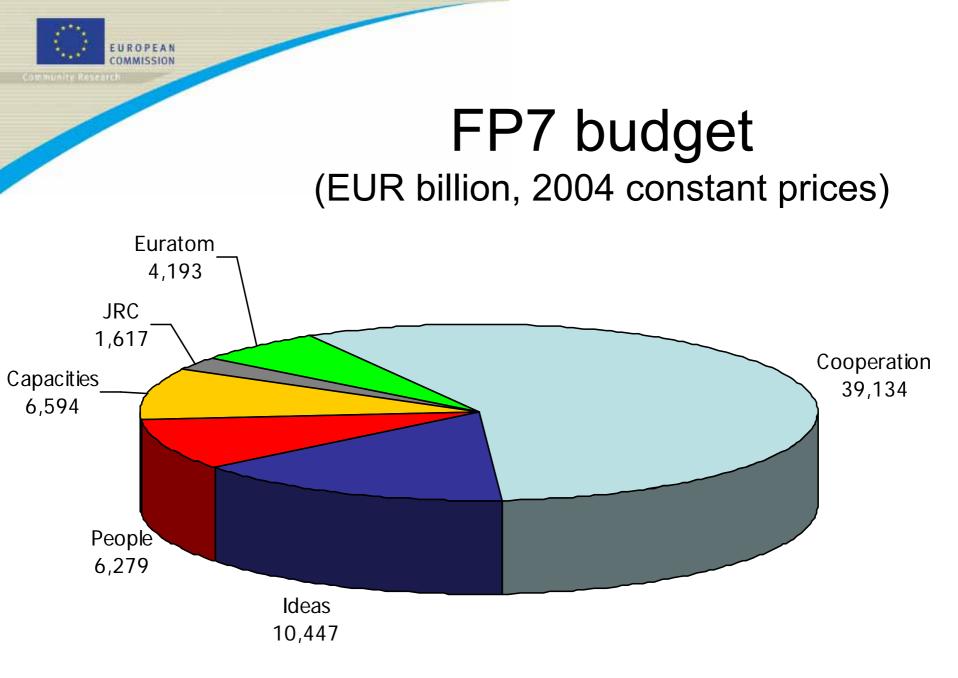
Specific actions

Excellence awards

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- 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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The role of Regions

- Co-financing (of projects & activities)
- Participation (in projects & activities)
- Cooperation (between regional and national RTD programs)
- Complementarity (in research programs)



Opportunities for Regions. Where?

- Framework Programme (all): short term research – demonstration activities.
- Framework Programme (all): ERA-NETs
- FP7: Region of Knowledge.
- FP7: Joint Technology Initiatives (?)
- The CIP. Competitiveness & Innovation Programme.

For partners: FP6-Structural Found Bonus

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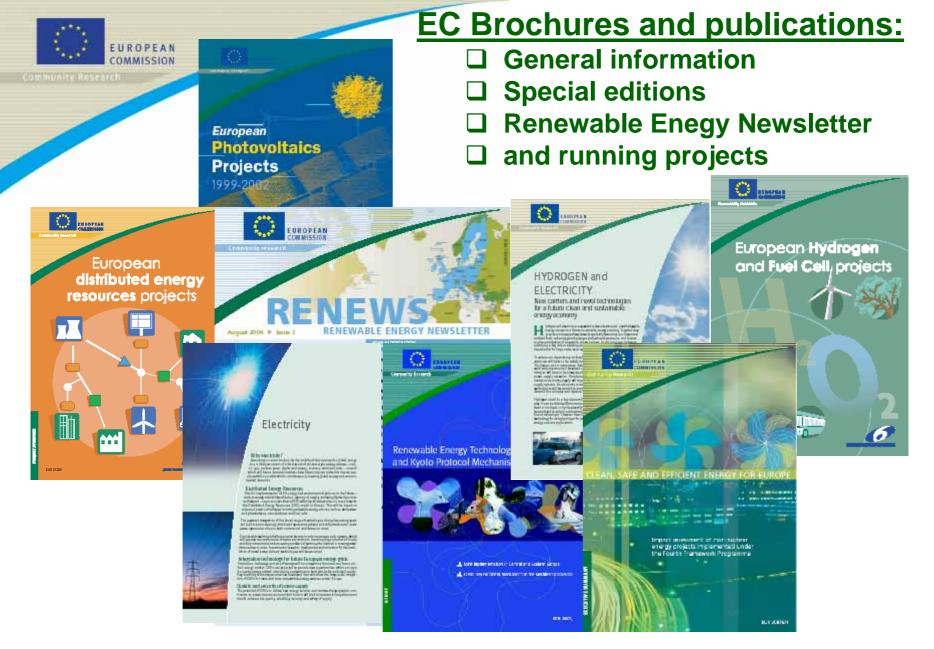


Final Advice (personal comments)

- Not "how can I get my project financed by the EU", but "who to work together with the EU for a project of COMMON INTEREST".
- Speak English.
- Be represented by a technical competent person <u>as well</u>.
- Sometimes, consultants can be useful.

The Commission is constantly looking for new ideas. Therefore talk to us, talk to us, talk to us.

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http://europa.eu.int/comm/research/energy

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Information

- EU research: <u>http://europa.eu.int/comm/research</u>
- Seventh Framework Programme: <u>http://europa.eu.int/comm/research/future/index_en.cfm</u>
- RTD info magazine: <u>http://europa.eu.int/comm/research/rtdinfo/</u>
- Information on research programmes and projects: <u>http://www.cordis.lu</u>
- Information requests: <u>research@cec.eu.int</u>





Thank you for your attention





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