

European projects, funding and opportunities

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European Commission funding

- Member States and Associated Countries
- 7th Framework programme (2007-13)
- Budget over €50 billion (US \$74 billion)
- 63% budget increase on FP6
- Two strategic objectives FP7:
 1. Strengthen EU science & technology
 2. Encourage international competitiveness, while promoting research supporting EU policies

Co-operation with 'third countries'

- Explicitly encouraged in FP7
- Third countries can join but need funding
- Two objectives
 1. Support EU competitiveness through strategic partnerships & to encourage the best 3rd country scientists to work with Europe
 2. To address shared problems on basis of mutual interest and benefit
- International fellowship scheme



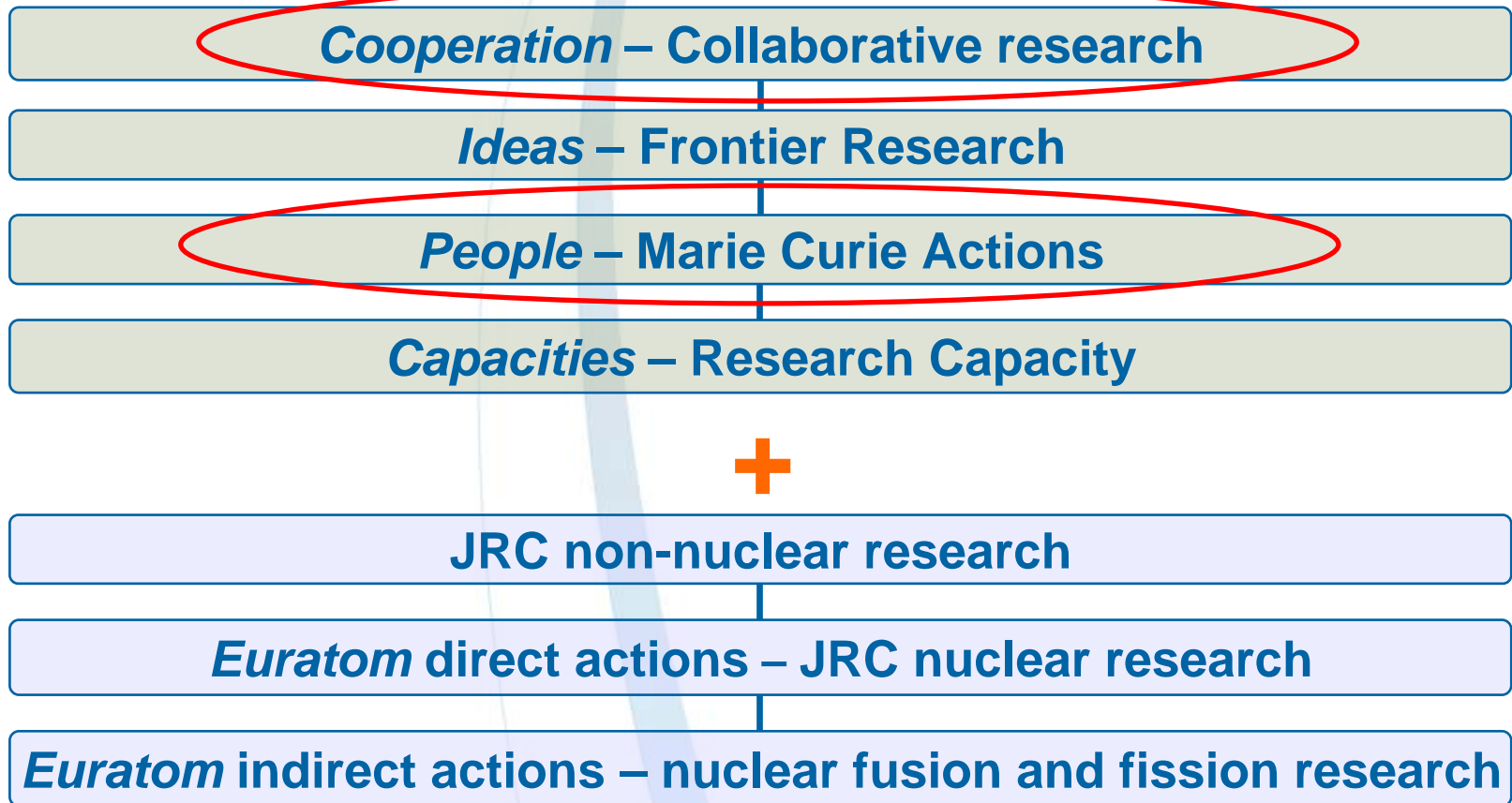


EU research: the story so far

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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:** 'Single European 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 enlarged EU
 - 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; 2007-2011 for Euratom)
 - 2006:** **Seventh** Framework Programme adopted



FP7 2007 –2013 | Specific Programmes





Cooperation – Collaborative Research

Ten themes

1. Health
 2. Food, agriculture and fisheries, 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. Space
 10. Security
- + Euratom: Fusion energy research, nuclear fission and radiation protection



6. Environment (inc. climate change)

- Climate change, pollution and risks
- Sustainable management of resources
- Environmental technologies
- Earth observation and assessment tools

More on Environment





7. Activities of International Cooperation

- 'Horizontal' support actions and measures not carried out in the Cooperation or People programmes

Two interdependent objectives:

**Support competitiveness
through strategic partnerships
with third countries in selected
fields**

**Address specific problems
that third countries face or
that have a global character,
on the basis of mutual interest
and mutual benefit**

More on International
cooperation





International Cooperation (1)

- Aim
 - ➔ Support competitiveness through strategic partnerships with third countries in selected fields of science
 - ➔ Address specific problems facing third countries on the basis of mutual interest and mutual benefit
 - ➔ Use S&T cooperation to reinforce the Community's external relations and other relevant policy

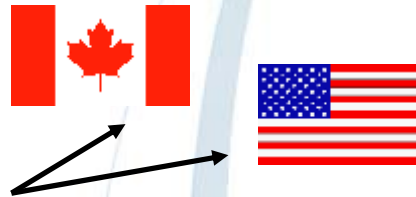


International Cooperation (2)

- Four activities with international dimension
 - Cooperation – Collaborative research
 - Ideas – Frontier Research
 - People – Human Potential
 - Capacities – Research Capacity
- Coordination of their activities essential



International Cooperation (3)



- Third countries
- Industrialised countries
- Associated and Candidate countries
- International Cooperation Partner Countries (ICPC):
- ACP, Asia, Eastern European and Central Asian countries, Latin America, Mediterranean partner Countries, Western Balkan countries



People



- Objectives

- Reinforce European research with foreign scientists
- Build lasting connections through mobile researchers



People – Main Features

- For European Researchers
 - ➔ Outgoing fellowships with mandatory return
 - ➔ Return/reintegration of European researchers abroad

- For Third-Country Researchers
 - ➔ Host-Driven actions for third-country researchers
 - ➔ Incoming individual fellowships
 - ➔ Schemes for Neighbouring countries and those with S&T agreement
 - ➔ Scientific “Diaspora” of Europeans abroad and third-country researchers in Europe



Funding Schemes

- Collaborative projects
 - ➔ Consortia with participants from different countries
 - ➔ New knowledge, technology, products or common resources for research
 - ➔ Size, scope and internal organisation of projects can vary
- Networks of Excellence
 - ➔ Joint programmes by organisations integrating activities in a given field
 - ➔ Longer term co-operation
 - ➔ Formal commitment to integrate resources



Funding Schemes (continued)

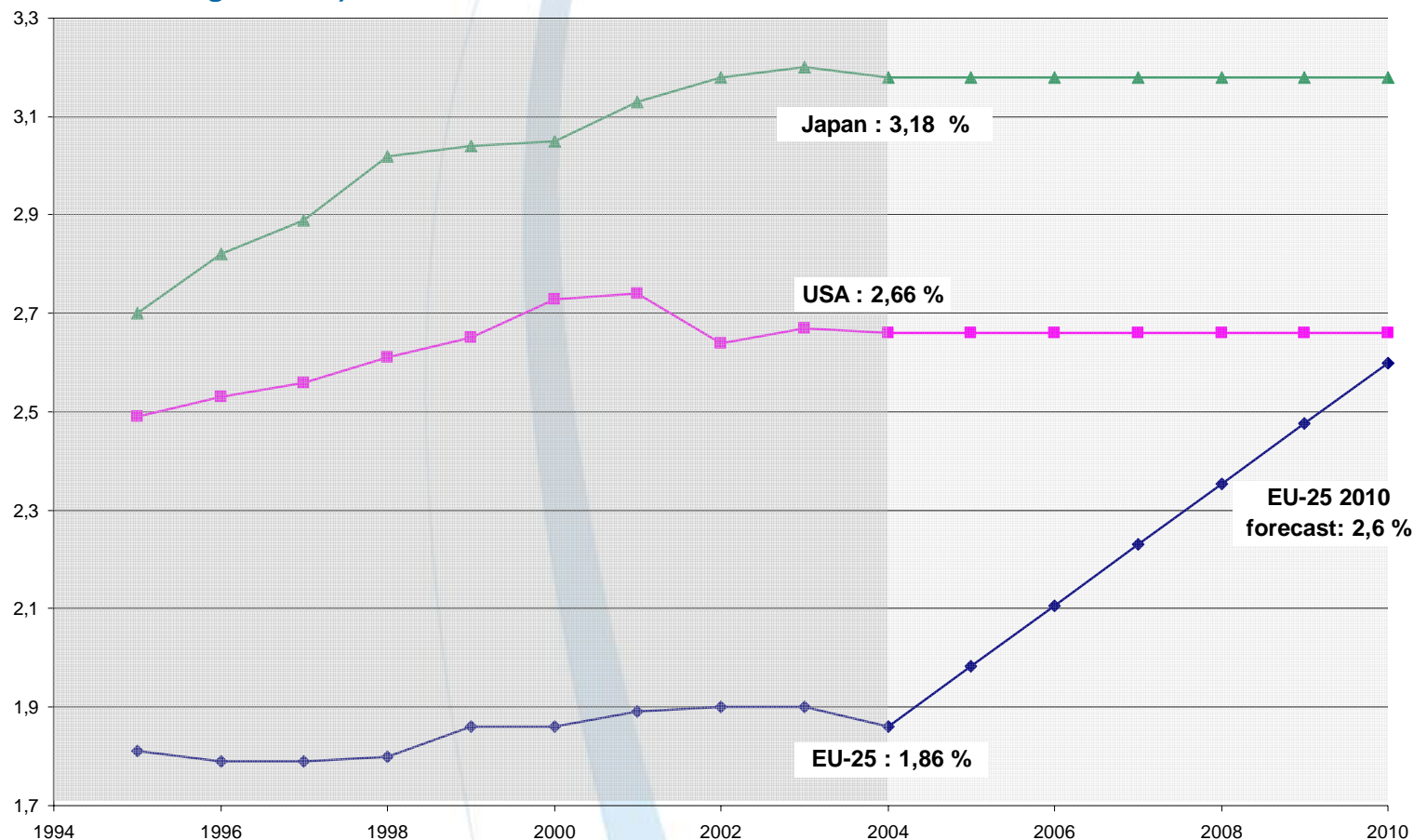
- Coordination and support actions
 - ➔ Networking, exchanges, trans-national access to research infrastructures, studies, conferences, etc.
- Support to frontier research
- Training and career development of researchers
- Research for the benefit of specific groups (in particular SMEs)
- Generally based on calls for proposals



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)

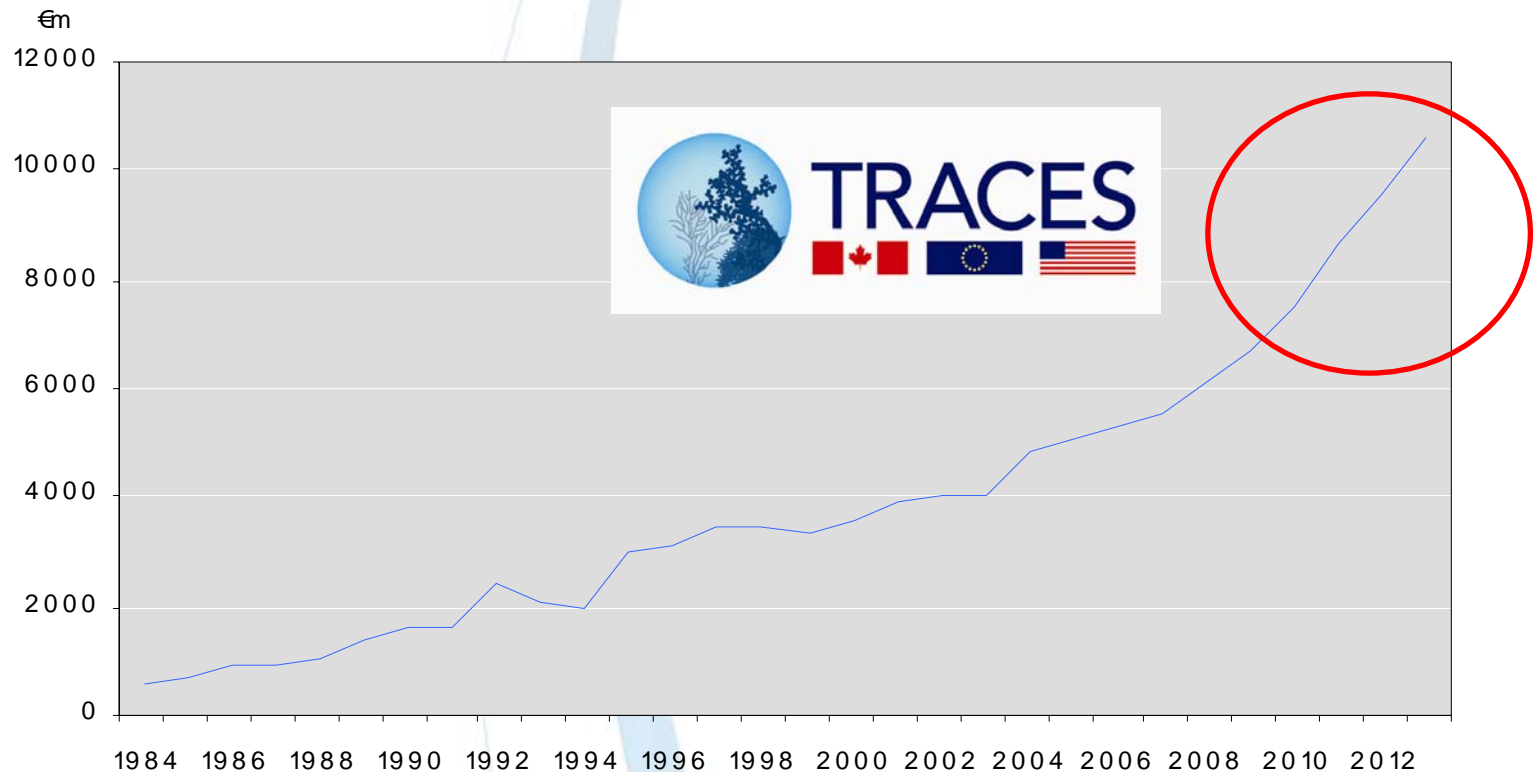


Data: Eurostat, OECD.

Source: DG Research



Budgets of the EU Framework Programmes 1984-2013



NB: Budgets in current prices. Source: Annual Report 2003, plus FP7 revised proposal



Financial Perspectives 2007-2013

Duration: 7 years

2004 prices + 2% predicted inflation = current prices

€ million

Year	2007	2008	2009	2010	2011	2012	2013	TOTAL
2004 prices	4 789	5 154	5 542	6 156	6 937	7 618	8 296	44 492
Current prices (+ 2% annual inflation)	5 082	5 579	6 119	6 933	7 968	8 926	9 914	50 521



Seventh Framework Programme: Objectives and activities

FP7 EC (current prices)

	Themes	Health	Food, Agriculture and Fisheries, and Biotechnology	Information and Communi- cation Technologies	Nano, Materials, Production	Energy	Environment	Transport	Socio- economic research	Space	Security	
COOPERATION	Collaborative Research	6 100	1 935	9 050	3 475	2 350	1 890	4 160	623	1 430	1 400	32 413
IDEAS	European Research Council											7 510
PEOPLE	Marie Curie Actions											4 750
CAPACITIES	Research Infrastructures		Research for the benefit of SMEs	Regions of Knowledge	Research Potential	Science in Society	Coherent development of research policies	International Cooperation				
	1 715		1 336	126	340	330	70	180				4 097
JRC (EC)												1 751
Total												50 521



TRACES


€ million

European projects

- Current work through FP6 'HERMES' project (ends April 2009)
- New 'HERMIONE' project submitted on Monday
- French national proposal for palaeo-climatic study Arctic gateways (Iceland)
- Dutch national proposal (TRACOS, Gulf of Mexico & US South Atlantic Bight)
- ESF-CARBONATE mound drilling (Ireland, 2008-11)
- Ramon y Cajal project relating IODP analysis to MOW and genesis coral banks (Spain, 2006-11)
- EDINSED3D, palaeo-environmental and geotechnical analysis of Porcupine mounds and Pliocene canyons (Spain, 2007-10)
- Consolider, palaeo-environmental analysis Mediterranean and Porcupine corals (Spain, 2007-13)

European projects cont.

- Paired neodymium isotope and radiocarbon analyses in deep-sea corals (NSF award to van de Flierdt & Robinson)
- UK proposal Deglaciation Atlantic Ocean ventilation rates
- Mingulay core analysis (UK)
- EPOCA (co-ordinated in France)
- CORALFISH (2008-12, co-ordinated in Ireland)
- Black corals of NE Atlantic (Russia)
- CONDOR, Azorean seamount observatory proposal
- SAME, Habitats Directive implementation proposal
- Cold-water coral mound genesis: IODP Leg 307 and Pleistocene Mediterranean occurrences (Germany)
- MiCROSYSTEMS, ESF-funded (Germany)

Opportunities

- TRACES collaborative project proposal 2009 or 2010
- International fellowships through Marie Curie scheme
- Consider application for coordination and support action

