



Building the Europe of Knowledge

**Proposals for the 7th Research
Framework Programme
2007 - 2013**

PROVISIONAL

Specific Programmes

***Cooperation* – Collaborative research**

***Ideas* – Frontier Research**

***People* – Human Potential**

***Capacities* – Research Capacity**

+

JRC (non-nuclear)

JRC (nuclear)

Euratom

Cooperation – Collaborative research

9 Thematic Priorities

2. Health
3. Food, agriculture and Biotechnology
4. Information and Communication Technologies
5. Nanosciences, Nanotechnologies, Materials and new Production Technologies
6. Energy
7. Environment and climate change
8. Transport
9. Socio-Economic Sciences and the Humanities
10. Space and Security research

Environment (inc. climate change)

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graph TD; A[Environment (inc. climate change)] --- B[Climate change, pollution and risks]; B --- C[Sustainable Management of Resources]; C --- D[Environmental Technologies]; D --- E[Earth observation and assessment tools];
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Climate change, pollution and risks

Sustainable Management of Resources

Environmental Technologies

Earth observation and assessment tools

FP7 Commission Proposal ***Environment***

Activities

Climate change, pollution and risks

Pressures on environment and climate: Functioning of climate and the earth system; adaptation and mitigation measures; **pollution in air, soil and water; changes in atmospheric composition and water cycle;** interactions between climate, land surface and the ocean; and impacts on biodiversity and ecosystems.

Environment and health: Interaction of environmental stressors with human health including identification of sources, links to indoor environment, and impact and emerging risk factors; integrated risk assessment methods for toxic substances including alternatives to animal testing; quantification and cost-benefit analysis of environmental health risks and indicators for prevention strategies.

Natural hazards: Improve prediction and integrated hazards- vulnerability - and risks assessments for disasters related to geological hazards (such as earthquakes, volcanoes, tsunamis) and climate (**such as storms and floods**); develop early warning systems and improve prevention and mitigation strategies.

FP7 Commission Proposal ***Environment***

Sustainable Management of Resources

Conservation and sustainable management of natural and man-made resources: ***ecosystems***; ***water resources management***; waste management and prevention; protection and management of biodiversity, ***soil protection***, seabed and coastal areas protection, approaches against desertification and land degradation; forest management; sustainable management and planning of urban environment, data management and information services; assessment and foresight relating to natural processes.

Evolution of marine environments: Impacts of human activities on the marine environment and its resources; pollution and eutrophication in regional seas and coastal areas; deep sea ecosystems; assessment of marine biodiversity trends, of ecosystem processes and of ocean circulation; seabed geology.

FP7 Commission Proposal ***Environment***

Environmental Technologies

Environmental technologies for observation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment: related to water, climate, air, marine, urban and rural environment, soil, waste treatment, recycling, clean production processes, chemicals safety, protection of cultural heritage and of the built environment.

Technology assessment, verification and testing: Methods and tools for environmental risk and lifecycle assessment of processes, technologies and products; support for sustainable chemistry, water supply and sanitation Platforms; scientific and technological aspects of a future European environmental technologies verification and testing programme.

FP7 Commission Proposal ***Environment***

Earth observation and assessment tools

Earth observation: Contribute to the development and integration of observation systems for environmental and sustainability issues in the framework of GEOSS; interoperability between systems and optimisation of information for understanding, modelling and predicating environmental phenomena.

Forecasting methods and assessment tools: modelling links between economy/environment/society including market based instruments, externalities, thresholds and developing the knowledge base and methodologies for sustainability impact assessment on key issues such as land use and marine issues; social and economic tensions related to climate change.

Cooperation – Collaborative research

- 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
- Support will be implemented across all themes through:

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

Ideas – Frontier Research

ERC – European Research Council

Commission

- Approval of work programme, as defined by the Scientific Council

- Instruction to implement work programme
- Approval of annual implementation report
- Information to programme committee

Scientific Council*

- Preparation of work programme
- **Set up of peer review: pool of reviewers, nomination of review panels, evaluation guidelines**
- **Oversight of the evaluation procedure**
- Annual scientific report

Externalised tasks**

- Information and support to applicants
- Reception / eligibility of proposals
- **Organisation and execution of evaluation**
- Selection decision
- Scientific and financial follow-up of contracts
- Annual implementation report

* Created by Commission decision

** 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

***Capacities* – Research Capacity**

3. Research Infrastructures
4. Research for and by SMEs
5. Regions of Knowledge
6. Research Potential
7. Coherent development of research policies
8. Specific activities in International Cooperation
9. Science in Society

7th Framework Programme Budget

7 th Framework Programme of the European Community (EC) (Respective shares and indicative breakdown, 2007-2013)											
	Themes	Health	Biotech, Food, Agriculture	Information Society	Nano, Materials, Production	Energy	Environment	Transport	Socio- economic Research	Security and Space	
COOPERATION	• Using all funding schemes, including international co-operation	19 %	5 %	28 %	11 %	7 %	6 %	13 %	2 %	9 %	61.1 %
IDEAS	European Research Council										16.3 %
PEOPLE	Marie Curie Actions										9.8 %
CAPACITIES	Research Infrastructures										5.4 %
	Research for the benefit of SMEs										2.6 %
	Regions of Knowledge										0.2 %
	Research Potential										0.8 %
	Science in Society										0.8 %
	International Co-operation										0.5 %
JRC	Joint Research Centre										2.5 %
TOTAL EC ¹											100 %
EURATOM (2007-2011) ²											

¹ The total budget for the 7th Framework Programme of the European Community (EC) is 73.215 million EUR for the period 2007 - 2013.

² The 7th framework programme of the European Atomic Energy Community (Euratom) for nuclear research and training activities (2007 to 2011) comprising fusion energy research, nuclear fission and radiation protection and the Nuclear activities of the JRC. The total budget is 3.103 million EUR for the five years whereof the JRC 541 million EUR.

Tentative Roadmap for FP7

2005

- 6/4 Commission - Adoption of FP7 proposals
- 18/4 Council - Exchange of views
- 7/6 Council - Orientation debate
- 21/9 Commission - Proposals on SPs and Rules for participation and dissemination
- 11/10 Council - Exchange of views on SPs and Rules
- 23/11 Commission - Proposals under Articles 169 and/or 171
- 28-29/11 Council - Orientation debate on SPs and Rules
- 12-15/12 EP - 1st reading on EC FP. Opinion on Euratom FP

2006

- Feb/Mar Council - Common position on EC FP
EP - 1st reading on EC Rules. Opinion on Euratom Rules.
- April Common position on EC Rules
- May/June EP - 2nd reading on EC FP; Opinion on SPs; 2nd reading on EC Rules (earliest)
- June Council - Adoption of FP and Rules (earliest)
- July Council and EP - Adoption of FP and Rules
- July Council - Adoption of the SPs
- Oct Commission - Adoption of Work programmes and necessary materials
- Nov Commission - Publication of 1st calls