



Community research

EU Research FP7 Cooperation Specific Programme Environment theme Call for proposals FP7-ENV-2007-1

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Community research

European Commission. DG RTD.

- DG Research. Environment Directorate
- Unit I.3. "Environmental Technologies and Pollution Prevention". 10 Project Officers. Manage about 200 projects
- Implementation of EU Research budget
- EU Research Framework Programme (FP)
- Clean Technologies for FP7
- Also Water, Soil, Waste, Built environment, Cultural heritage

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FP7 2007-2013

- Main EU financial instrument for funding research projects
- There are other instruments
- FP1 started in 1984
- FP5. 1998-2002. 15000 MEuro
- FP6. 2002-2006. 19000 MEuro
- FP7. **2007-2013. ~53000 MEuro.**

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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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Budget for FP7

EC Programme 50 521 million Euro (current prices)

- Cooperation 32 413 MEuro
 - 1 900 MEuro for Environment Theme
- Ideas 7 510 MEuro
- People 4 750 MEuro
- Capacities 4 097 MEuro
- JRC EC Programme 1 751 MEuro

Euratom Programme 2 751 million Euro

- Fusion Energy Research 1 947 million Euro
- Nuclear Fission and Radiation Protection 287 million Euro
- JRC Nuclear Research Activities 517 million Euro

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Cooperation – Collaborative research

10 Themes

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. Space
10. Security

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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

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Joint Technology Initiatives (JTI)

- Build up on existing **Technology Platforms (TPs)**
 - Vision document
 - Strategic Research Agenda (SRA)
 - Implementation of SRA
- Kind of funding scheme, by which the TP implements their research programme, co-financed by the EU.
- The research topics related to these areas do not appear as such in the FP7 WPs.
- SMEs are encouraged to participate in JTIs

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Coordination of non-Community research

- [ERA-NET](#). Coordination of National Research programmes.
 - MS agree and fund joint calls/programs
 - EU funding only for coordination
- [ERA-NET+](#). New in FP7. Joint call.
 - MS contribute to a joint trans national call 2/3
 - EU funding for research: 1/3 of the call
- [Article 169](#). Full integration of National programmes
 - Scientific and financial: Strong EU funding
 - Single implementing structure

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International Cooperation

- [Participation in FP7 is open](#) to international organisations and legal entities established in third countries:
 - Associated Countries
 - Industrialised countries (USA, Canada, Japan, Australia...)
 - [International cooperation partner countries \(ICPC\)](#): (Countries neighbours EU, developing countries, emerging economies) – three categories according to income per capita (low-income, lower-middle-income, or upper-middle-income); will be identified as such in the work programmes. ICPC Countries
- Under SPs [Cooperation](#), Capacities People and Ideas
- [3 objectives](#):
 - strategic partnerships with third countries
 - facilitate access to research environments outside Europe and promoting synergies on a global scale
 - address specific problems that third countries face or that have a global character

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- <250 employees
- < 50 MEuro annual turnover or 43 MEuro balance sheet total
- Supported in all Specific Programmes of FP7
- Simplified funding and administrative procedures
- 75% reimbursement in RTD activities
- 100% reimbursement in other activities
- WP takes account of Research needs and potential of SMEs
- SME relevant topics identified in WP
- SME involvement in JTI's encouraged

Environment Theme (including Climatic Change)

Objective:

“Promote sustainable management of the environment and its resources through advancing our knowledge on the interactions between the climate, biosphere, ecosystems and human activities, and developing new technologies, tools and services, in order to address in an integrated way global environmental issues.”



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Environment Theme

5 Activities

- 6.1. Climate Change Pollution and Risks
- 6.2. Sustainable Management of Resources
- 6.3. Environmental Technologies
- 6.4. Earth Observation and assessment tools for sustainable development
- 6.5. Horizontal actions

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Work Programme Preparation

- FP6 Activities
- Advisory Group
- Research Stakeholders
- Informal exchanges
- Spontaneous submissions by MSs
- Technology platforms
- Commission Services

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Calls for Proposals

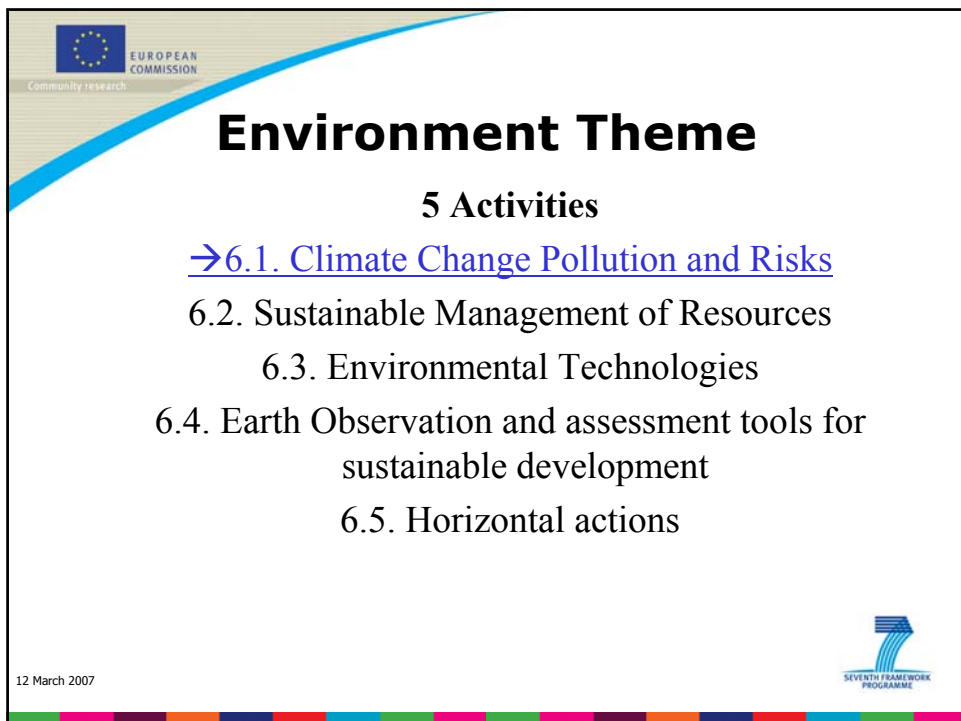
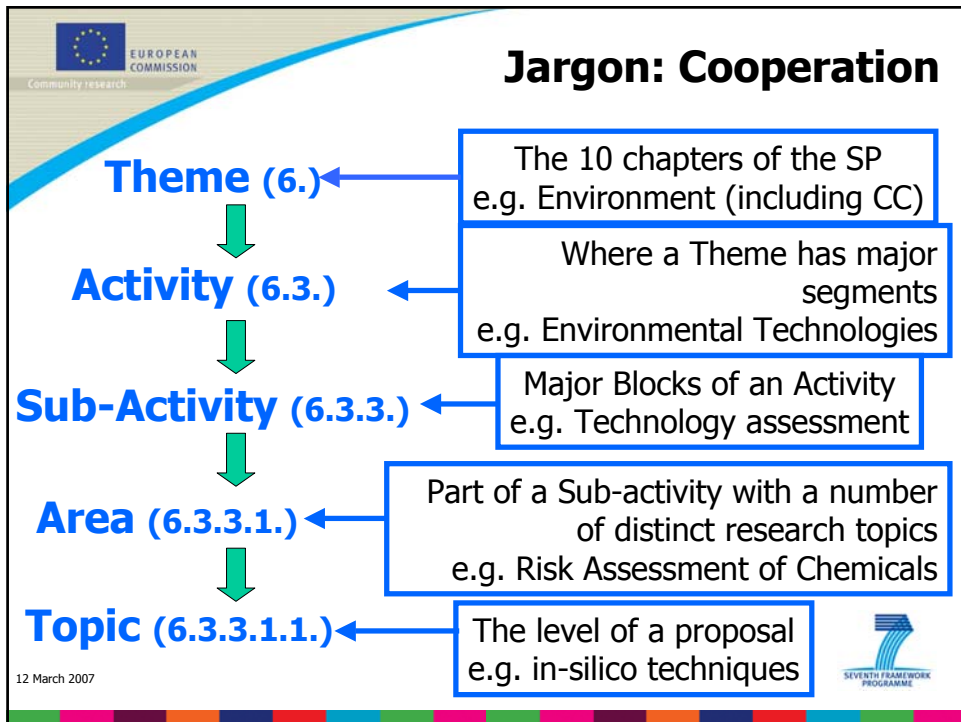
- Announced in the OJ C316 [22 December 2006](#)
- Call ‘fiches’ and WP published on [CORDIS](#) web
- Set out **details** of:
 - Call budget, opening and closing dates
 - Topics and funding schemes
 - Eligibility and evaluation criteria (and any deviation from the norms)
 - Indicative evaluation and contractual timetable

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Calls for Proposals

- Contain information on potential future topics, as basis of further consultation
- Work Programmes updated annually
- 1st Call Closing Date (ENV-2007-1) is [2nd of May](#) at 17:00
- 1st Call ENV Total Budget [200 MEuro](#), 73 topics.

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Activity 1: Climate Change Pollution and Risks

3 Sub-activities:

1. Pressures on Environment and Climate (36 MEuro)
2. Environment and health (19 MEuro)
3. Natural hazards (13 MEuro)

Total 68 MEuro

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Activity 1: Climate Change Pollution and Risks

1. Pressures on Environment and Climate (36 MEuro).

10 Topics.

- Thermohaline Circulation (1 large CP up to 10 MEuro).
- Air pollution in Megacities.
- Ocean Acidification (large CP)
- Climate Change Impacts (3 topics, 1 large)
- Adaptation, mitigation and policies (4 topics)
 - Costs of CC, hydrological cycle, land use and ecosystems

Funding Scheme	S-M CP	Large CP	CSA
First Call topics	5	3	2

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Climate Change Pollution and Risks

2. Environment and health (19 MEuro).

7 Topics.

- Indoor air pollution, impact on reproduction
- NE on human bio-monitoring
- Large CP on health effects of air pollution
- Drought and desertification
- Risk analysis and policy development (2)
 - ERA-NET for environment and health
 - Geographical Information Systems

Funding Scheme	S-M CP	Large CP	CSA	NE
First Call topics	3	1	2	1

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Climate Change Pollution and Risks

3. Natural hazards (13 MEuro).

6 Topics.

- Storm Risks
- Vulnerability assessment and societal impacts
- Volcanic threat, avalanche forecasting and droughts.
- Hazard database analysis

Funding Scheme	S-M CP	Large CP	CSA
First Call topics	4	0	2

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Environment Theme

5 Activities

6.1. Climate Change Pollution and Risks

→6.2. Sustainable Management of Resources

6.3. Environmental Technologies

6.4. Earth Observation and assessment tools for sustainable development

6.5. Horizontal actions

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Activity 2: Sustainable Management of Resources

2 Sub-activities

1. Conservation and sustainable management of natural and man-made resources and biodiversity (26 MEuro)

2. Management of Marine Environments (21 MEuro)

Total 47 MEuro

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Sustainable Management of Resources

1. Conservation and sustainable management of natural and man-made resources and biodiversity (26 MEuro).

9 Topics.

- Water resources
 - 1 large CP on ecological status
 - 2 Inco projects: river basin scale, resource management
 - Temporary water bodies
- 1 large CP on desertification with Inco participation
- 3 Biodiversity topics with Inco partners
- Urban development

Funding Scheme	S-M CP	Large CP	CSA
First Call topics	6	2	1

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Sustainable Management of Resources

2. Management of Marine Environments (21 MEuro).

9 Topics.

- Models and methodologies
- Fish and deep-sea habitats
- Dynamic of marine ecosystems
- Ecology of marine species
- 5 CSA Actions

Funding Scheme	S-M CP	Large CP	CSA
First Call topics	1	3	5

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Environment Theme

5 Activities

- 6.1. Climate Change Pollution and Risks
- 6.2. Sustainable Management of Resources
- [→6.3. Environmental Technologies](#)
- 6.4. Earth Observation and assessment tools
for sustainable development
- 6.5. Horizontal actions

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Activity 3: Environmental Technologies

3 Sub-activities:

1. [Environmental Technologies](#) (38 MEuro)
 - 1.1. Water
 - 1.2. Soil
 - 1.3. Waste
 - 1.4. Clean Technologies
 - 1.5. Built environment
2. [Cultural Heritage](#) (7 Meuro)
3. [Technology assessment verification and testing](#)
(5 Meuro)

Total 50 MEuro

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Activity 3: Environmental Technologies

1. Environmental Technologies

1.2. Water. 2 Topics.

- Innovative technologies and services for sustainable water use in industries (Large CP)
- Technologies for measuring and monitoring networks (S-M CP)

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Activity 3: Environmental Technologies

1. Environmental Technologies

1.2. Soil. 2 Topics.

- Technologies for data collection in (digital) soil mapping (S-M CP)
- Technologies and tools for soil contamination assessment and site characterisation, towards sustainable remediation (S-M CP)

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Activity 3: Environmental Technologies

1. Environmental Technologies

1.3. Waste. 3 Topics.

- Integrated waste management technologies for maximising material and energy recovery/recycling of the organic (humid) fraction of municipal solid waste (large CP)
- New technologies for waste sorting (S-M CP)
- Waste treatment technologies and services for developing countries (CSA)

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Activity 3: Environmental Technologies

1. Environmental Technologies

1.4. Clean Technologies. 1 Topic.

- Control of mercury in industrial processes and products (CSA)

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Activity 3: Environmental Technologies

1. Environmental Technologies

1.5. Built environment. 2 Topics

- Low resource consumption buildings and infrastructure (CSA)
- Performance indicators for health, comfort and safety of the indoor built environment (CSA)

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Activity 3: Environmental Technologies

2. Cultural Heritage

3 Topics

- Damage assessment, diagnosis and monitoring for the preventive conservation and maintenance of the cultural heritage (S-M CP)
- ERA-NET for the preservation of the tangible cultural heritage (CSA)
- Consolidation and dissemination of results related to cultural heritage (CSA)

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Activity 3: Environmental Technologies

3. Technology assessment verification and testing

2 Topics:

- In-silico techniques for hazard-, safety-, and environmental risk-assessment (S-M CP)
- Defining a long-term research strategy for the full replacement of animal tests for repeat dose systemic toxicity (CSA)

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Environment Theme

5 Activities

- 6.1. Climate Change Pollution and Risks
- 6.2. Sustainable Management of Resources
- 6.3. Environmental Technologies
- 6.4. Earth Observation and assessment tools for sustainable development
- 6.5. Horizontal actions

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Activity 4: Earth Observation and Assessment Tools for Sustainable Development (SD)

2 Sub-Activities:

1. Earth and ocean observation (21 MEuro)
2. Forecasting methods and assessment tools for SD (11 MEuro)

Total 32 MEuro

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Activity 4: Earth Observation and Assessment Tools for Sustainable Development (SD)

1. Earth and ocean observation (21 MEuro).

11 Topics.

- Research Complementary to Group on the Earth Observation (GEO)
- Monitoring of Carbon cycle and global biodiversity
- GEO Cross-cutting activities
 - Coordination of national programmes
 - Network for seismogenic hazards
 - Dissemination of information
- Emerging areas: Environmental and health issues, oceans, Soil
- 3 topics on International Cooperation with Developing Countries

Funding Scheme	S-M CP	Large CP	CSA
First Call topics	5	0	6

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Activity 4: Earth Observation and Assessment Tools for Sustainable Development (SD)

2. Forecasting methods and assessment tools for SD

(11 MEuro). 6 Topics.

- 3 topics on Tools for Impact Assessment
- Sustainable development indicators
- Policies to promote sustainable consumption patterns
- Civil society organisations

Funding Scheme	S-M CP	Large CP	CSA
First Call topics	5	0	1

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Environment Theme

5 Activities

6.1. Climate Change Pollution and Risks

6.2. Sustainable Management of Resources

6.3. Environmental Technologies

6.4. Earth Observation and assessment tools for
sustainable development

[→6.5. Horizontal actions](#)

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Activity 5: Horizontal Actions

1 Sub-activity

1. Dissemination and horizontal activities (3 MEuro).

1 Topic:

- Trans-National Cooperation among NCPs (CSA)
 - benchmarking, workshops, trainings
 - brokerage events,
 - only for official NCPs
 - help less experienced NCP

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Environment Theme

5 Activities

6.1. Climate Change Pollution and Risks	68 MEuro
6.2. Sustainable Management of Resources	47 MEuro
6.3. Environmental Technologies	50 MEuro
6.4. Earth Observation and assessment tools for sustainable development	32 MEuro
6.5. Horizontal actions	3 MEuro

Total **73 topics** → 200 MEuro
(11 Large CP, 35 S-M CP, 26 CSA, 1 NE)

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Some Advice

- Take part in our **info-days**
- Get in touch with your **NCP** and other intermediaries
- Look at the EU “list of projects” and the Technology Platforms reports
- Be aware that drafting a proposal and establishing the right consortium takes **time**, particularly as co-ordinator
- Read carefully the **call & WP** (topic, funding scheme, number of participants, size of the project, etc.)

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The first call has been published the 22nd of December 2006 and the **deadline is the 2nd May 2007**

Reference **FP7-ENV-2007-1**

Thanks!

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

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