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A summary of call ENV.2009-1

FP7 Cooperation
Environment

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What funds will be available and when?

- **Budget 2009 : €193 Million**
- **Call publication : 3rd[nd] September 2008**
- **Call deadline : 8th Jan. 2009, 17.00**
- Next call deadline : 2009

Find detailed call and application information at: www.cordis.lu/call
See our advice for making applications at www.euresearch.ch/how

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Introduction

The Environment Thematic is comprised of five activities:

- **6.1 Climate change, pollution and risks**
- **6.2 Sustainable Management of Resources**
- **6.3 Environmental Technologies**
- **6.4 Earth observation & assessment tools**
- **6.5 Horizontal Actions**

Glossary

WP	Work Programme
CP	Collaborative Project (FRP + LIP + PTS)
FRP	Small/medium-scale focused research projects (<€4M)
LIP	Large-scale integrating projects (>€4M)
PTS	Projects Targeted to SMEs
CSA	Coordination and Support Action
SICA	Scientific Cooperation Action
CSO	Civil society organisations
NoE	Network of Excellence

ACTIVITY 6.1. CLIMATE CHANGE, POLLUTION AND RISKS

Sub-activity 6.1.1. Pressures on environment and climate (32.5 M€)

AREA	TOPICS CALLED	PROJECT TYPE
1.1.1.	*ENV.2009.1.1.1.1 Climate dynamics and abrupt changes – analysis of the palaeo-record*	*LIP*
1.1.3.	*ENV.2009.1.1.3.1 Quantification and attribution of annual-to-decadal changes of carbon and GHG budgets in European terrestrial ecosystems to human and natural drivers and associated climate-carbon feedbacks*	*LIP*
1.1.4.	*ENV.2009.1.1.4.1 Process-oriented evaluation of Earth System Models with emphasis on climate feedbacks*	*FRP*
1.1.5.	*ENV.2009.1.1.5.1 Climate change predictions in Sub-Saharan Africa (east to west), quantification of impacts and assessment of adequate adaptation measures*	*CP-FP-SICA-*
	ENV.2009.1.1.5.2 Climate induced changes in water resources in southern Europe and neighbouring countries as a threat to security ***-Coordinated topic with Theme '8. Socioeconomic Science and Humanities'-***	*CP-FP-SICA-*
1.1.6.	*ENV.2009.1.1.6.1 Integrated methodology providing a common platform for an improved assessment of climate change impacts, vulnerability and related cost effective adaptation measures*	*FRP*
	ENV.2009.1.1.6.2 Options for response strategies integrating sectoral and cross-sectoral measures in view of post-2012 climate initiatives	*FRP*
	ENV.2009.1.1.6.3 Climate change impacts on the marine environment: research results and public perception- ***Coordinated topic with Themes '2. Food, Agriculture and Fisheries, and Biotechnologies' and '5. Energy'-***	*CSA (supporting action)*

Sub-activity 6.1.2. Environment and Health (21 M€)

AREA	TOPICS CALLED	PROJECT TYPE
1.2.1.	*ENV.2009.1.2.1.1 Climate change and water related health issues in Europe*	*FRP*
	ENV.2009.1.2.1.2 Methods to quantify the impacts of climate and water on health in developing low income countries	*FRP-SICA-*
1.2.2.	*ENV.2009.1.2.2.1 Transport related air pollution and health impacts*	*LIP*

	ENV.2009.1.2.2.2 Health effects from electromagnetic fields (EMF): improved exposure assessment to wireless communication devices	*FRP*
1.2.3.	*ENV.2009.1.2.3.1 European coordination action on human biomonitoring*	*CSA (coordinating action)*

Sub-activity 6.1.3. Natural hazards (13 M€)

AREA	TOPICS CALLED	PROJECT TYPE
1.3.1.	*ENV.2009.1.3.1.1 Forest fires in the context of climate and social changes*	*LIP*
1.3.2.	*ENV.2009.1.3.2.1 Costs of natural hazards*	*CSA (coordinating action)*
	ENV.2009.1.3.2.2 Vulnerability assessment of buildings, lifelines systems and networks related to earthquakes	*FRP*
1.3.3.	*ENV.2009.1.3.3.1 Risk, prevention and management of urban floods*	*-CP-FP-SICA-*

ACTIVITY 6.2. SUSTAINABLE MANAGEMENT OF RESOURCES

Sub-activity 6.2.1. Conservation and sustainable management of natural and man-made resources and biodiversity (27 M€)

AREA	TOPICS CALLED	PROJECT TYPE
2.1.2.	*ENV.2009.2.1.2.1 Water management and climate change impacts in the long-term perspective*	*LIP*
2.1.3.	*ENV.2009.2.1.3.1 Soil processes and modelling*	*LIP*
	ENV.2009.2.1.3.2 Desertification process and land degradation	*FRP-SICA-*
2.1.4.	*ENV.2009.2.1.4.1 Assess the pan-European status of pollinators*	*FRP*
2.1.5.	*ENV.2009.2.1.5.1 Sustainable development of coastal cities*	*LIP SICA*
2.1.6.	*ENV.2009.2.1.6.1 Sustainable forest management as a tool to prevent unwanted forest fires*	*CSA (supporting action)*
	ENV.2009.2.1.6.2 Forest ecosystem genomics	*CSA (supporting action)*

Sub-activity 6.2.2. Management of marine environments (22M€)

AREA	TOPICS CALLED	PROJECT TYPE
2.2.1.	*ENV.2009.2.2.1.1 Options for Ecosystem-based management* ***-Coordinated topic with Themes '2. Food, Agriculture and Fisheries, and Biotechnology' and '5. Energy'-***	*LIP*
	ENV.2009.2.2.1.3 Support to "Maritime Partnership" ***-Coordinated topic with Themes '2. Food, Agriculture and Fisheries, and Biotechnology' and '5. Energy'-***	*CSA (supporting action)*
	ENV.2009.2.2.1.4 Integrated Coastal Zone Management ***Coordinated topic with Themes '2. Food, Agriculture and Fisheries, and Biotechnology' and '5. Energy'-***	*-LIP--SICA-*
	ENV.2009.2.2.1.5 Management and protection of coral reefs in the Wider Caribbean	*-LIP-SICA-*
	ENV.2009.2.2.1.6 Contribution of subseafloor sampling programs to European deep-sea research	*CSA (coordinating action)*

ACTIVITY 6.3. ENVIRONMENTAL TECHNOLOGIES

Sub-activity 6.3.1. Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment (27 M€)

AREA	*TOPIC*	*PROJECT TYPE*
3.1.1.	*ENV.2009.3.1.1.1 Adaptation of water supply and sanitation systems to cope with climate change*	*LIP*
3.1.2.	*ENV.2009.3.1.2.1 Construction technologies for mitigating the impacts of soil sealing on soil functions and services, including mitigation of flood risk*	*FRP*
3.1.3.	*ENV.2009.3.1.3.1 Supporting sustainable nationwide and local waste processing industry in ACP countries: legal framework, economical incentives, business/ organisational know-how*	*CSA (coordinating action)*
3.1.5.	*ENV.2009.3.1.5.1 Technologies for improved safety of the built environment in relation to flood events*	*FRP*
	ENV.2009.3.1.5.2 Benchmarking and labelling of the sustainability performance of buildings	*FRP*
3.1.6.	*ENV.2009.3.1.6.1 Innovative coastal defence technologies*	*LIP*

Sub-activity 6.3.2. Protection, conservation and enhancement of cultural heritage, including human habitat (8 M€)

AREA	*TOPIC*	*PROJECT TYPE*
3.2.1.	*ENV.2009.3.2.1.1 Technologies for protecting cultural heritage assets from risks and damages resulting from extreme events, especially in the case of earthquakes*	*FRP*
	ENV.2009.3.2.1.2 Technologies for protecting the cultural heritage assets from risks and damages resulting from extreme events, especially in the case of fires and storms	*FRP*

Sub-activity 6.3.3. Technology assessment, verification and testing (EUR 7 million)

AREA	*TOPIC*	*PROJECT TYPE*
3.3.1.	*ENV.2009.3.3.1.1 Screening methods for assessing the toxicological and eco-toxicological properties of chemicals*	*FRP*
3.3.2.	*ENV.2009.3.3.2.1 Improved Life Cycle Impact Assessment methods for better sustainability assessment of technologies*	*FRP*

ACTIVITY 6.4. EARTH OBSERVATION AND ASSESSMENT TOOLS FOR SUSTAINABLE DEVELOPMENT

Sub-activity 6.4.1. Earth and ocean observation systems and monitoring methods for the environment and sustainable development (20 M€)

AREA	TOPICS	PROJECT TYPE
4.1.1.	*ENV.2009.4.1.1.1 Contribution to observing systems for seismogenic hazards*	*LIP*
4.1.2.	*ENV.2009.4.1.2.1 Further structuring the European approach to Earth Observation*	*CSA (supporting action)*
4.1.3.	*ENV.2009.4.1.3.1 Contribution to observing systems for environment and health monitoring and modelling*	*LIP*
	ENV.2009.4.1.3.2 Earth observation in support of a sustainable exploitation of mineral resources	*-FRP-SICA-*
4.1.4.	*ENV.2009.4.1.4.1 Action in the domain of earth observation to support capacity building in GEO*	*CSA (supporting action)*

Sub-activity 6.4.2. Forecasting methods and assessment tools for sustainable development taking into account different scales of observation (12M€)

AREA	TOPICS	PROJECT TYPES
4.2.1.	*ENV.2009.4.2.1.1 Network of excellence for Impact Assessment Tools*	*NoE*
4.2.3.	*ENV.2009.4.2.3.1 Assessment of economic instruments to enhance the conservation and sustainable use of biodiversity*	*FRP*
	ENV.2009.4.2.3.2 Enhancing connectivity between research and policymaking in sustainable development	*FRP- CSO*

ACTIVITY 6.5. HORIZONTAL ACTIONS

Sub-activity 6.5.1. Dissemination and horizontal activities (4M€)

AREA	TOPICS	PROJECT TYPES
	ENV.2009.5.1.0.1 Research excellence and major infrastructure in China and potential for S&T cooperation with EU partners in the area of environment	*CSA (supporting action)*
	ENV.2009.5.1.0.2 Knowledge transfer and uptake of EU-research results	*CSA (supporting action)*

- **Health** (e.g. QSARs (quantitative structure-activity relationship) for toxicology.
- **Food, agriculture and biotechnology** Biodiversity and its sustainable exploration for the production of biological resources; the use of Synthetic Biology for the solution of environmental problems i.e. waste
- **Information and communication technologies** Challenge 6: ICT for Mobility, Environmental Sustainability and Energy Efficiency – sustainable management of natural resources
- **Nanosciences, nanotechnologies, materials and new production technologies** Health and Environment Impacts
- **Transport (including aeronautics)** Preventive and emergency interventions to protect marine, coastal and land environments
- **Socio-economic sciences and the humanities** Combining economic, social and environmental objectives in a European perspective (Activity 2/8)
- **Security and Space** GMES (Global Monitoring for Environment and Security)