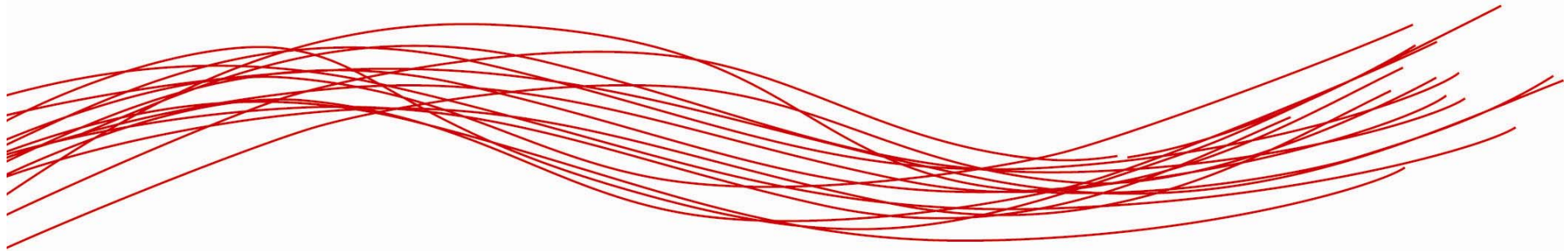


FP7 (2007-2013)

Theme 6. Environment (including Climate Change)



Important notice:

The information contained herewith is indicative only. When preparing your proposal, please refer to call documentation published on CORDIS.

FP7 2007 – 2013 'Cooperation' budget

I. COOPERATION	BUDGET (million EUR, current prices)
1. HEALTH	6 100
2. FOOD, AGRICULTURE AND FISHERIES, AND BIOTECHNOLOGY	1 935
3. INFORMATION AND COMMUNICATION TECHNOLOGIES	9 050
4. NANOSCIENCES, NANOTECHNOLOGIES, MATERIALS AND NEW PRODUCTION TECHNOLOGIES	3 475
5. ENERGY	2 350
6. ENVIRONMENT (INCLUDING CLIMATE CHANGE)	1 890
7. TRANSPORT (INCLUDING AERONAUTICS)	4 160
8. SOCIOECONOMIC SCIENCES AND THE HUMANITIES	623
9. SPACE	1 430
10. SECURITY	1 400
TOTAL*	32 413

* Not including the Fusion (1 947) and Fission and radiation protection (287) Themes in EURATOM (2007 - 2011)



Environment (including Climate Change)

Objectives

- ✓ **To promote sustainable management of the natural and human environment and its resources**
- ✓ **To address in an integrated way global environmental issues through:**
 - advancing knowledge on the interactions between the biosphere, ecosystems and human activities
 - Strengthening of the European Research Area
 - developing new technologies, tools and services as well as management solutions

Environment (including Climate Change)

Activities and sub-activities

- ✓ **Climate change, pollution and risks**
 - Pressures on environment and climate
 - Environment and health
 - Natural hazards

- ✓ **Sustainable Management of Resources**
 - Conservation and sustainable management of natural and man-made resources and biodiversity
 - Management of marine environments

Environment (including Climate Change)

Activities and sub-activities

✓ **Environmental Technologies**

- Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment
- Protection, conservation and enhancement of cultural heritage including human habitat
- Technology assessment, verification and testing

Environment (including Climate Change)

Activities and sub-activities

- ✓ **Earth observation and assessment tools for sustainable development**
 - Earth and ocean observation systems and monitoring methods for the environment and sustainable development
 - Forecasting methods and assessment tools for sustainable development, taking into account differing scales of observation

- ✓ **Horizontal activities**
 - **Dissemination and horizontal activities**



Outcome 2007, 2008 and 2009 calls

- ✓ **FP7-ENV-2007-1**
 - 632 proposals received
 - 73 (+2 ERA-Nets) selected for funding (5 on reserve list)
 - Indicative budget: 200 million Euros
 - Coverage of the work programme: 71%

- ✓ **FP7-ENV-2008-1**
 - 425 proposals received
 - 64 selected for funding (24 on reserve list)
 - Indicative budget: 212 million Euros
 - Coverage of the work programme: 91%

- ✓ **FP7-ENV-2009-1**
 - 227 proposals received
 - 55 selected for funding (28 on reserve list)
 - Indicative budget: 193.5 million euros
 - Coverage of the work programme: 90%

http://ec.europa.eu/research/environment/index_en.cfm?pg=publications

Outcome 2010 calls

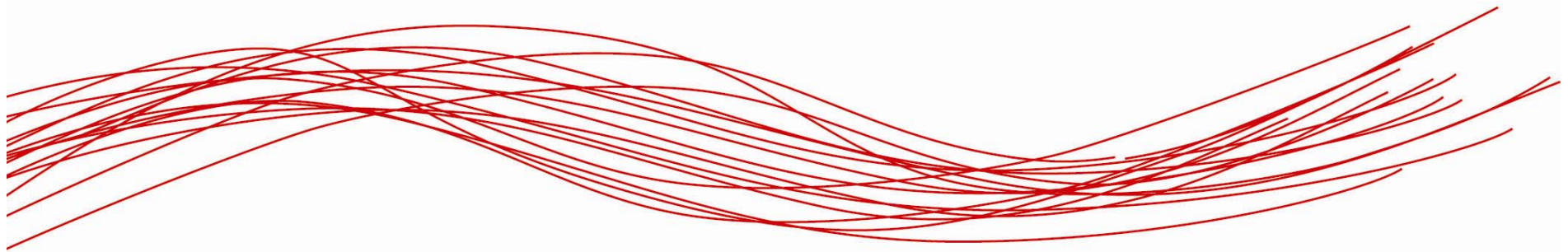
✓ **FP7-ENV-2010**

- 255 proposals received
- 59 selected for funding (11 on reserve list)
- Indicative budget: 175 million Euros
- Coverage of the work programme: 96%

✓ **FP7-AFRICA-2010**

- 188 proposals received
- 24 selected for funding (16 on reserve list)
- Indicative budget: 63 million Euros
- Coverage of the work programme: 100%

Environment (including climate change) Work Programme 2011



Important notice:

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Objectives for WP 2011

2011 Overarching theme:

'Transformation to Sustainable Societies in a Changing Environment'

- ✓ To provide integrated solutions for action adaptation to and mitigation of climate change
- ✓ To support eco-innovation for eco-efficiency in society
- ✓ To provide a systemic approach for governance in a changing environment

FP7 Cooperation Environment WP2011 Open calls:

Call name	Identifier	Deadline	Total budget	ENV contribution
Main Environment Call	FP7-ENV-2011	16 November 2010	€155.000.000 (2M for the JPI-RTD)	€155.000.000
Eco-innovation	FP7-ENV-ECO-INNOVATION-2011	16 November 2010	€ 50.000.000	€ 50.000.000
Energy-Efficient Buildings (PPP)	FP7-2011-NMP-ENV-ENERGY-ICT-EeB	2 December 2010	€85.000.000	€5.500.000
The Ocean of Tomorrow	FP7-OCEAN-2011	8 January 2011	€45.000.000	€16.000.000
Green Cars (PPP)	FP7-2010-GC-ELECTROCHEMICAL-STORAGE	2 December 2010	€25.500.000	€5.500.000
Advanced Materials	FP7-ENV-NMP-2011	16 November 2010	€12.000.000	€6.000.000



Info Days

- ✓ **09/07/2010, Brussels, PPPs/Recovery Plan**
 - ✓ **09/09/2010, Brussels, Infoday on "Ocean Call"**
- ✓ **12-13/07/2010, Brussels, Infoday on the main ENV Call**
 - ✓ **13/07/2010, Brussels, Infoday on Eco-innovation Call,
Advanced Materials Call (ENV-NMP)**

WP 2011 Environment

The “Eco-innovation” Call

Main indicative topic:

- ENV.2011.3.1.9-1 Eco-Innovation!
Funding scheme: Collaborative Project with no upper financial threshold(30% or more to SMEs), two-stage evaluation
Main part of the Call (approximately 43M€)
- 2 areas (no fixed subject, excluding energy and transport – avoid overlaps with CIP and LIFE+):
 - ◆ System innovation (also organisational, institutional, business model, etc.)
 - ◆ Technological innovation (particular solicitation on bio-mimetic technologies)

Evaluation criteria:

- ◆ Maximise sustainability performance
- ◆ Life-cycle thinking
- ◆ Market potential and feasibility

WP 2011 Environment

The “Eco-innovation” Call

Other indicative topics:

- ENV.2011.3.1.9-2 Development of eco-efficiency meso-level indicators for technology assessment
Funding scheme: Collaborative Project (max. EU contribution 2,5 M €)
- ENV.2011.3.1.9-3 Macro-level indicators to monitor the environmental impact of innovation
Funding scheme: Collaborative Project (max. EU contribution 2,5 M €)
- ENV.2011.3.1.9-4 Dynamic 3-dissemination systems and platforms for enterprises including SMEs to exploit results for eco-innovation
Funding scheme: Coordination and Support Action (max. EU contribution 1 M €)

WP 2011 Environment

The “Advanced materials” Call (FP7-ENV-NMP-2011)

Indicative Topic:

- ENV-NMP.2011.3.2.1-1 Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of cultural heritage assets
Funding scheme: Collaborative Projects (max. EU contribution 3 M €, min. 35% to SMEs)
- **Priority will be given to proposals that demonstrate the market potential of new materials and techniques**

WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.1.1 Pressures on environment and climate

Indicative topics:

- ENV.2011.1.1.1-1 Improvement of the representation of critical climate processes in climate and Earth system models
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.1.1.2-1 The impact of atmospheric pollution on European land ecosystems and soil in a changing climate
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.1.1.2-2 Climate forcing of non UNFCCC gases, aerosols and black carbon
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.1.1.3-1 Vulnerability of Arctic permafrost to climate change and implications for global GHG emissions and future climate
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.1.1.5-1 Impacts of climate and land use changes in the Amazon
Funding scheme: Collaborative Project (small or medium-scale focused research project)



WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.1.1 Pressures on environment and climate

Indicative topics:

- ENV.2011.1.1.6-1 Impacts of a global temperature increase up to 2°C from pre-industrial level, in Europe and most vulnerable regions of the world
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.1.1.6-2 Mitigation policies and measures in the world's major economies compatible with the objective of limiting global surface temperature increase below 2°C
Funding scheme: Collaborative Project (small or medium-scale focused research project)

WP 2011 Environment

The FP7-ENV-2011 Call Sub-Activity 6.1.2 Environment and health

Indicative topics:

- ENV.2011.1.2.1-1 Environmental change and its effects on atopic diseases (allergies, asthma, eczema) in Europe
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.1.2.2-1 Combined exposures to environmental agents: integrated approaches to evaluate environment-health relationships in children
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.1.2.2-2 Exposure to electro-magnetic fields (EMF): investigations of mechanisms to support risk assessment and reduce uncertainty
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.1.2.3-1 Integrating ecological and human risk evaluations for better risk governance
Funding scheme: Coordination and Support Action (coordinating action)
- ENV.2011.1.2.3-2 Positive effects of natural environment for human health and well-being
Funding scheme: Collaborative Project (small or medium-scale focused research project)

WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.1.3 Natural Hazards

Indicative topics:

- ENV.2011.1.3.1-1 Towards real-time earthquake risk reduction
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.1.3.2-1 Building societal resilience to disasters in Europe
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.1.3.2-2 Vulnerability and increased drought risk in Europe
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.1.3.3-1 Better prevention and management of volcanic eruptions
Funding scheme: Collaborative Project, SICA (small or medium-scale focused research project)
- ENV.2011.1.3.4-1 Capacity building in natural hazards risks reduction
Funding scheme: Coordination and Support Action (coordinating action)

WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity

Indicative topics:

- ENV.2011.2.1.1-1 Lagoons in the context of climate change
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.2.1.2-1 Hydromorphology and ecological objectives of WFD
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.2.1.4-1 Potential of biodiversity and ecosystems for the mitigation of climate change
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.2.1.4-2 Behaviour of ecosystems, thresholds and tipping points
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.2.1.4-3 Improved comprehension of the utility of the concepts of value of biodiversity
Funding scheme: Collaborative Project (small or medium-scale focused research project)

WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.2.1 Conservation and sustainable management of natural and man-made resources and biodiversity

Indicative topics:

- ENV.2011.2.1.5-1 Sustainable and Resilient Green Cities
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.2.1.5-2 Furthering Strategic Urban Research
Funding scheme: Coordination and Support Action (coordinating action)
- ENV.2011.2.1.6-1 Land-use and European forest ecosystems
Funding scheme: Collaborative Project (large scale integrating project)

WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.3.1 Environmental technologies for observation, simulation, prevention, mitigation, adaptation, remediation and restoration of the natural and man-made environment

Indicative topics:

- ENV.2011.3.1.1-1 Technologies for water scarcity mitigation in Latin American context
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.3.1.1-2 Natural water systems and treatment technologies to cope with water shortages in urbanised areas in India
Funding scheme: Collaborative Project (small or medium-scale focused research project)

→ Covered in the International cooperation session



WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.4.1 Earth and ocean observation systems and monitoring methods for the environment and sustainable development

Indicative topics:

- ENV.2011.4.1.1-1 Integration and optimisation of information for building a Global Carbon Observing System
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.4.1.3-1 Inter-operable integration of shared Earth observations in the Global Context
Funding scheme: Collaborative Project (large scale integrating project)
- ENV.2011.4.1.4-1 Developing increased EO capacity for better agriculture and forestry management in Africa
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.4.1.4-2 Assessing the ecosystem status, including fisheries, within the Mediterranean marine coastal areas of North African countries
Funding scheme: Collaborative Project (small or medium-scale focused research project)



WP 2011 Environment

The FP7-ENV-2011 Call

Sub-Activity 6.4.2 Forecasting methods and assessment tools for sustainable development taking into account differing scales of observation

Indicative topics:

- ENV.2011.4.2.1-1 Efficiency assessment of environmental policy tools related to sustainability
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.4.2.2-1 Knowledge brokerage activities for engaging in a “beyond GDP” society
Funding scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.4.2.3-1 Community based management of environmental challenges
Funding scheme: Research for the benefit of specific groups-Civil Society Organisations
- ENV.2011.4.2.3-2 Sustainable Consumption and Production at the heart of green growth
Funding scheme: Collaborative Project (small or medium-scale focused research project)



WP 2011 Environment

The FP7-ENV-2011 Call

International collaboration (I) **Focus on Latin America**

Indicative Topics in ENV WP2011:

- ENV.2011.1.1.5-1 Impacts of climate and land use changes in the Amazon
Funding scheme: Collaborative Project, SICA (small or medium-scale focused research project)
- ENV.2011.1.3.3-1 Better prevention and management of volcanic eruptions
Funding scheme: Collaborative Project, SICA (small or medium-scale focused research project)
- ENV.2011.2.1.4-1 Potential of biodiversity and ecosystems for the mitigation of climate change
Funding scheme: Collaborative Project, SICA (large scale integrating project)
- ENV.2011.3.1.1-1 Technologies for water scarcity mitigation in Latin American context
Funding scheme: Collaborative Project, SICA (small or medium-scale focused research project)
- ENV.2011.4.1.1-1 Integration and optimisation of information for building a Global Carbon Observation System
Funding scheme: Collaborative Project, SICA (large scale integrating project)
- ENV.2011.4.2.3-1 Community based management of environmental challenges
Funding scheme: Research for the benefit of specific groups (CSO)

WP 2011 Environment

The “Ocean of Tomorrow” Call (KBBE, ENV, Energy, Transport) – FP7-OCEAN-2011

International collaboration (II) Ocean Call – Mediterranean and Black Sea focus

Indicative Topics:

- OCEAN.2011-1 Multi-use offshore platforms
Funding Scheme: Collaborative Project
- OCEAN.2011-2 Marine microbial diversity – new insights into marine ecosystems functioning and its biotechnological potential
Funding Scheme: Collaborative Project (Large scale integrating project)
- OCEAN.2011-3 Assessing and predicting the combined effects of natural and human-made pressures in the Mediterranean and the Black Sea in view of their better governance
Funding Scheme: Collaborative Project (SICA) (Large scale integrating project)
- OCEAN.2011-4 Knowledge-base and tools for regional networks of MPAs, integrated management of activities together with assessment of wind energy potential in the Mediterranean and the Black Sea
Funding Scheme: Collaborative Project (SICA) (Large scale integrating project)

**These topics are subject to a separate Info Day
on 9 September 2010 for the OCEAN Call.**

WP 2011 Environment

The FP7-ENV-2011 Call

International collaboration (III)

SICA and other topics with international collaboration

- ENV.2011.1.1.6-2 Mitigation policies and measures in the world's major economies compatible with the objective of limiting global surface temperature increase below 2°C
Funding Scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.1.3.1-1 Towards real-time earthquake risk reduction
Funding Scheme: Collaborative Project (large scale integrating project)
- ENV.2011.3.1.1-2 Natural water systems and treatment technologies to cope with water shortages in organised areas in India
Funding Scheme: Collaborative Project, SICA (small or medium-scale focused research project)
- ENV.2011.4.1.4-1 Developing increased EO capacity for better agriculture and forestry management in Africa
Funding Scheme: Collaborative Project, SICA (small or medium-scale focused research project)
- ENV.2011.5.1.0-1 Uptake of climate related research results through knowledge platforms with African collaboration partners
Funding Scheme: Coordination and Support Action (supporting action)

WP 2011 Environment

SME relevant research

Besides topics for Eco-innovation:

- ENV.2011.1.2.2-1 Combined exposures to environmental agents: integrated approaches to evaluate environment – health relationships in children
Funding Scheme: Collaborative Project (large scale integrating project)
 - ENV.2011.1.2.2-2 Exposure to electro-magnetic fields (EMF): investigations of mechanisms to support risk assessment and reduce uncertainty
Funding Scheme: Collaborative Project (small or medium-scale focused research project)
 - ENV.2011.1.3.4-1 Capacity building in natural hazards risk reduction
Funding Scheme: Coordination and Support Action (coordinating action)
 - ENV.2011.2.1.5-1 Sustainable and Resilient Green Cities
Funding Scheme: Collaborative Project (large scale integrating project)
 - ENV.NMP.2011.3.2.1-1 Development of advanced compatible materials and techniques and their application for the protection, conservation and restoration of cultural heritage assets
Funding Scheme: Collaborative Projects
- 10% - 35% to SMEs

WP 2011 Environment

Dissemination, uptake and use of research results

Dedicated topics:

- ENV.2011.1.3.4-1 Capacity building in natural hazards risks reduction
Funding Scheme: Coordination and Support Action (coordinating action)
- ENV.2011.2.1.5-2 Furthering Strategic Urban Research
Funding Scheme: Collaborative Project (large scale integrating project)
- ENV.2011.4.2.2-1 Knowledge brokerage activities for engaging in a « beyond GDP society »
Funding Scheme: Collaborative Project (small or medium-scale focused research project)
- ENV.2011.4.2.3-1 Community based management of environmental challenges
Funding Scheme: Research for the benefit of specific groups CSO)
- ENV.2011.5.1.0-1 Uptake of climate related research results through knowledge platforms with African partners
Funding Scheme: Coordination and Support Action (supporting action)

Each proposal:

- « To allocate appropriate efforts and resources to dissemination activities in order to promote the use and uptake of the results »
- Contract negotiation:
Clause 29 (access to policy relevant information) and Clause 39 (open access publishing)