

# Eco-innovation in the Environment Work “Tentative” Programme 2011

European Commission  
Research DG

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**Unit I.3 – Environmental Technologies and Pollution prevention**



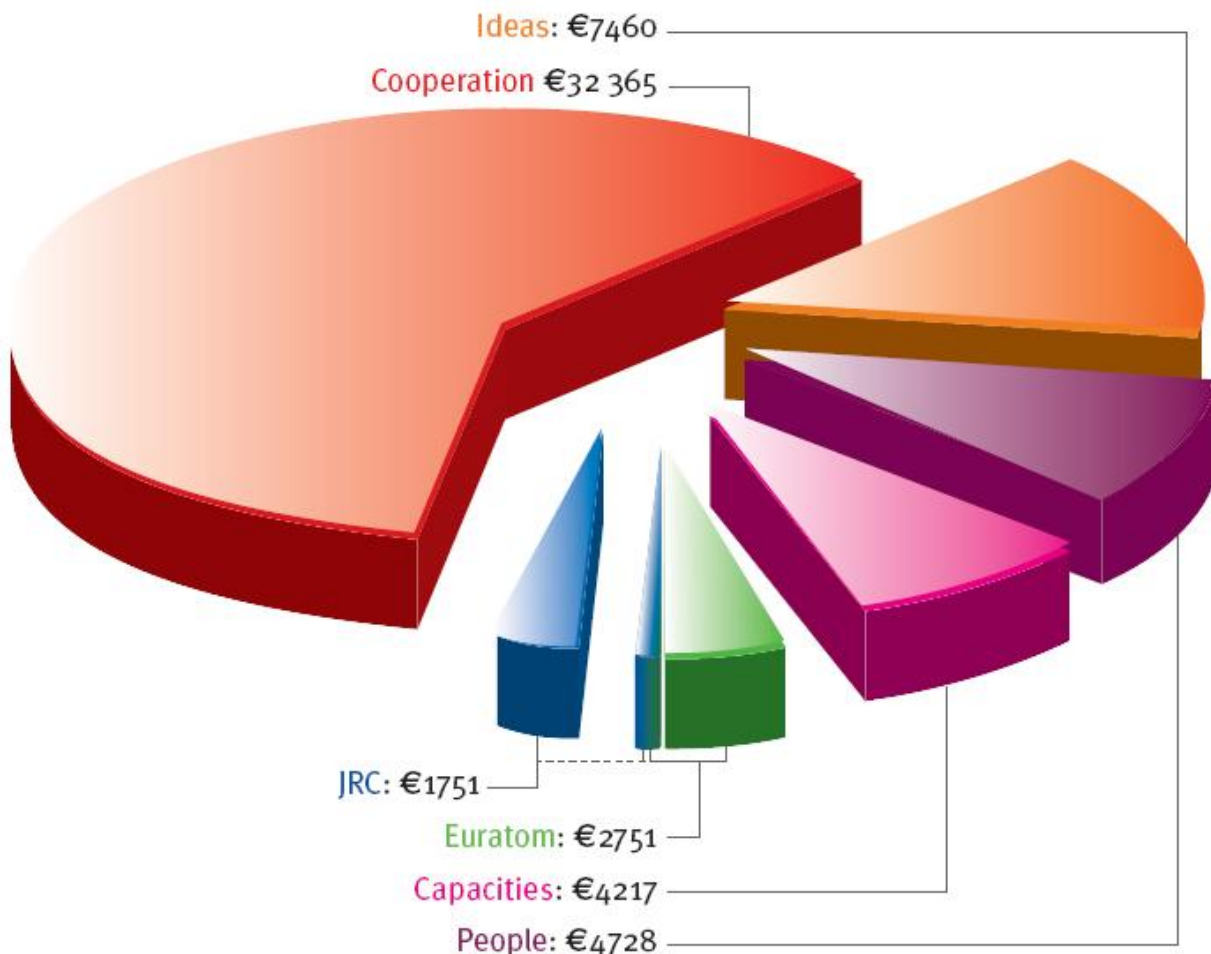
# Presentation outline

- 1. Some basic information on FP7 and its rules**
- 2. The approach of the Environment (including climate change) Work Programme 2011**
- 3. The Eco-Innovation call**

# Some basic information on FP7 and its rules

# The indicative FP7 budget breakdown (€ million)

**FP7** is made up of 4 main blocks of activities forming **4 specific programmes** plus a fifth specific programme on nuclear research



**Cooperation:**  
Collaborative research

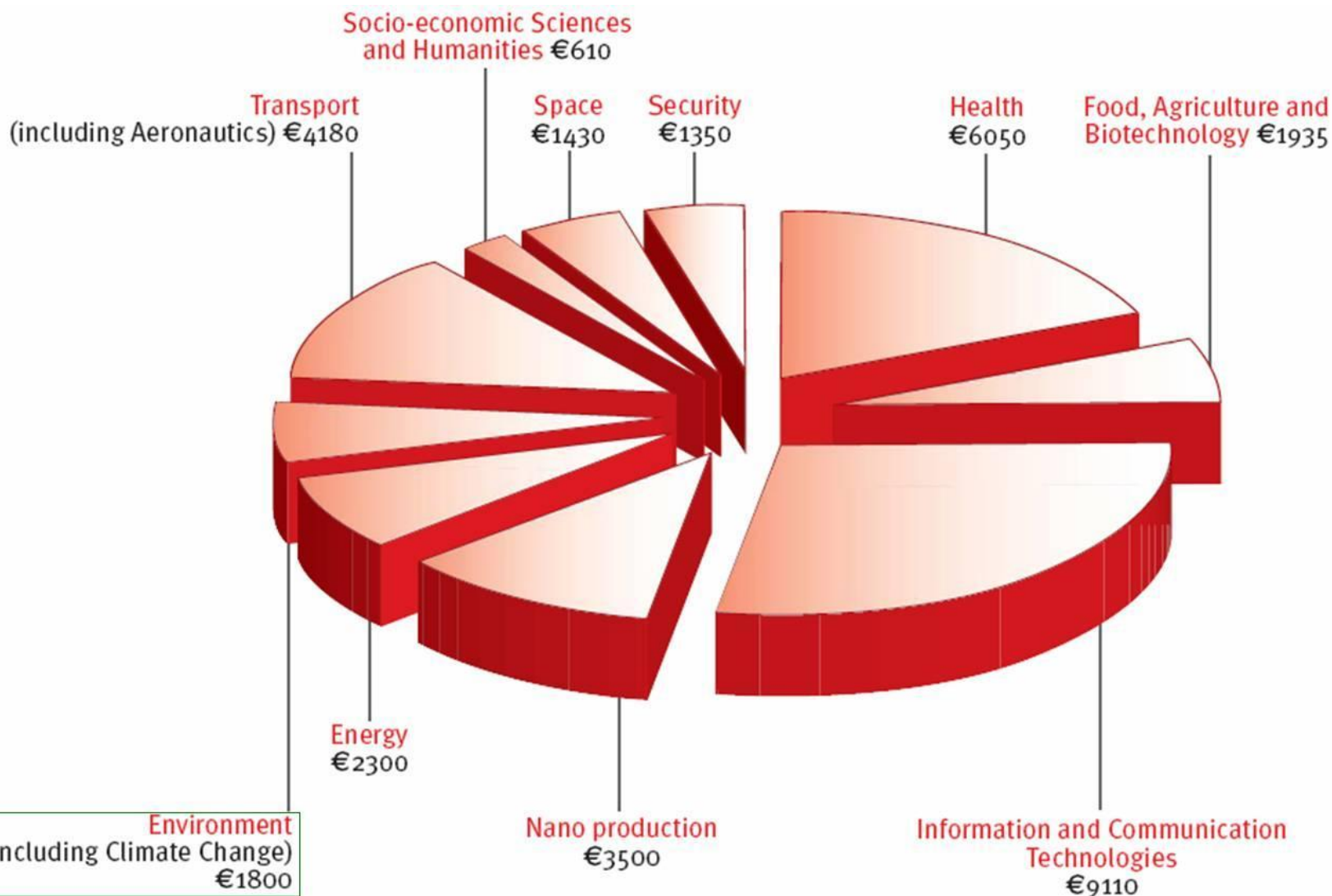
**Ideas:**  
European Research Council

**People:**  
Human Potential, Marie Curie

**Capacities:**  
Research capacities  
(Infrastructure, SMEs, Regions,  
International cooperation ...)

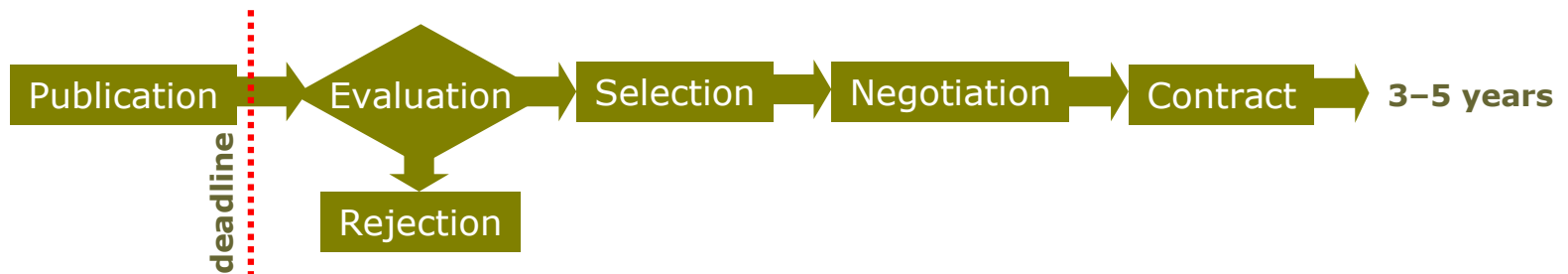


# The Cooperation Programme breakdown (€ million)



## Who can participate?:

- ▶ Any legal entity from (subject to revision)
  - ◆ EU 27 Member States
  - ◆ 11 Associated Countries (Switzerland, Israel, Norway, Iceland, Liechtenstein, Turkey, Croatia, Former Yugoslav Republic of Macedonia, Serbia, Albania, Montenegro, Bosnia & Herzegovina and Faroe Islands)
  - ◆ Third countries: International Co-operation Partner Countries (ICPC) can also participate and receive financial support



## Implementation:

- ▶ Calls for proposals
- ▶ Evaluation and selection
- ▶ Negotiation and contract

# Maximum funding rates

- **Research and technological development activities**: in general, up to **50%** of eligible costs except for:
  - **Public bodies**: up to **75%**
  - **Secondary and higher education establishments**: up to **75%**
  - **Research organisations** (non-profit): up to **75%**
  - **SMEs**: up to **75%**

# The approach of the Environment (including climate change) Work Programme 2011

- **Climate Change, Pollution, and Risks** (indoor air, strategies for prevention and mitigation of natural hazards)
- **Sustainable Management of Resources: management of natural and man-made resources and biodiversity** (management and planning of urban environment, preservation of landscape, marine environment..)
- **Environmental Technologies** (includes water, waste, air, soil, built environment, cultural heritage, technological assessment...)
- **Earth Observation & Assessment Tools** (forecasting methods, urban development & social & economic tensions related to climate change)

# Societal Challenges and Policy drivers

- **President Barroso's guidelines for the new Commission's 5 years mandate**
  - ◆ Successful exit from the crisis, Climate change, Research excellency, Industrial participation, Eco-innovation, Social cohesion and inclusiveness...
- **Competitiveness and economic recovery**
- **Europe 2020 Strategy**
  - **"Transformation to Sustainable Societies in a Changing Environment"**



# The Eco-Innovation Call

# WP2011 Eco-Innovation call

The **Eco-innovation Call** includes four topics covering:

- the **development** (1 topic),
- the **measurement** (2 topics) and
- the **dissemination** (1 topic) of eco-innovation

**43 Million Euros**

**7 Million Euros**

A large-scale bottom-up call targeted for European industries and SMEs

Overall EC contribution: **50 Million Euros**



# Definition of Eco-Innovation\*

*"Eco-innovation means all forms of innovation activities **resulting in or aimed at** significantly improving environmental protection. Eco-innovation includes new production processes, new products or services, and new environmental and business methods, whose use or implementation is likely to prevent or substantially reduce the risks for the environment, pollution and other negative impacts of resource use, **throughout the life cycle** of related activities"*

\* taken from the Community Guidelines on State Aid for Environmental Protection (2008/C82/01)

## The "development" topic (2-stage evaluation)

### ENV.2011.3.1.9-1 Eco-innovation!

1. Research and development of **system solutions**, in production processes or consumption of goods and services, to be achieved through a **variable mix** of organisational (e.g. at business model level), and/or institutional measures, in combination with appropriate technical solutions. Proposals should **maximise eco-efficiency**, and this **shall** be demonstrated through appropriate economic/environmental social/indicators;
2. Research and development of **novel eco-efficient environmental technologies** (including monitoring) whose direct or indirect use can substantially contribute to the reduction of materials and resource use, energy consumption, polluting emissions, etc., and whose effectiveness can be demonstrated through a set of key environmental performance indicators. A particular solicitation is made for presenting proposals on **bio-mimetic technologies** capable of deriving from nature's way of functioning the design principles that lead to eco-efficient processes.

**IMPORTANT:** proposals **exclusively** targeting **energy** (including carbon capture and storage) or **transport** technologies are outside the scope of this call and should be addressed to the relevant Framework Programme Themes



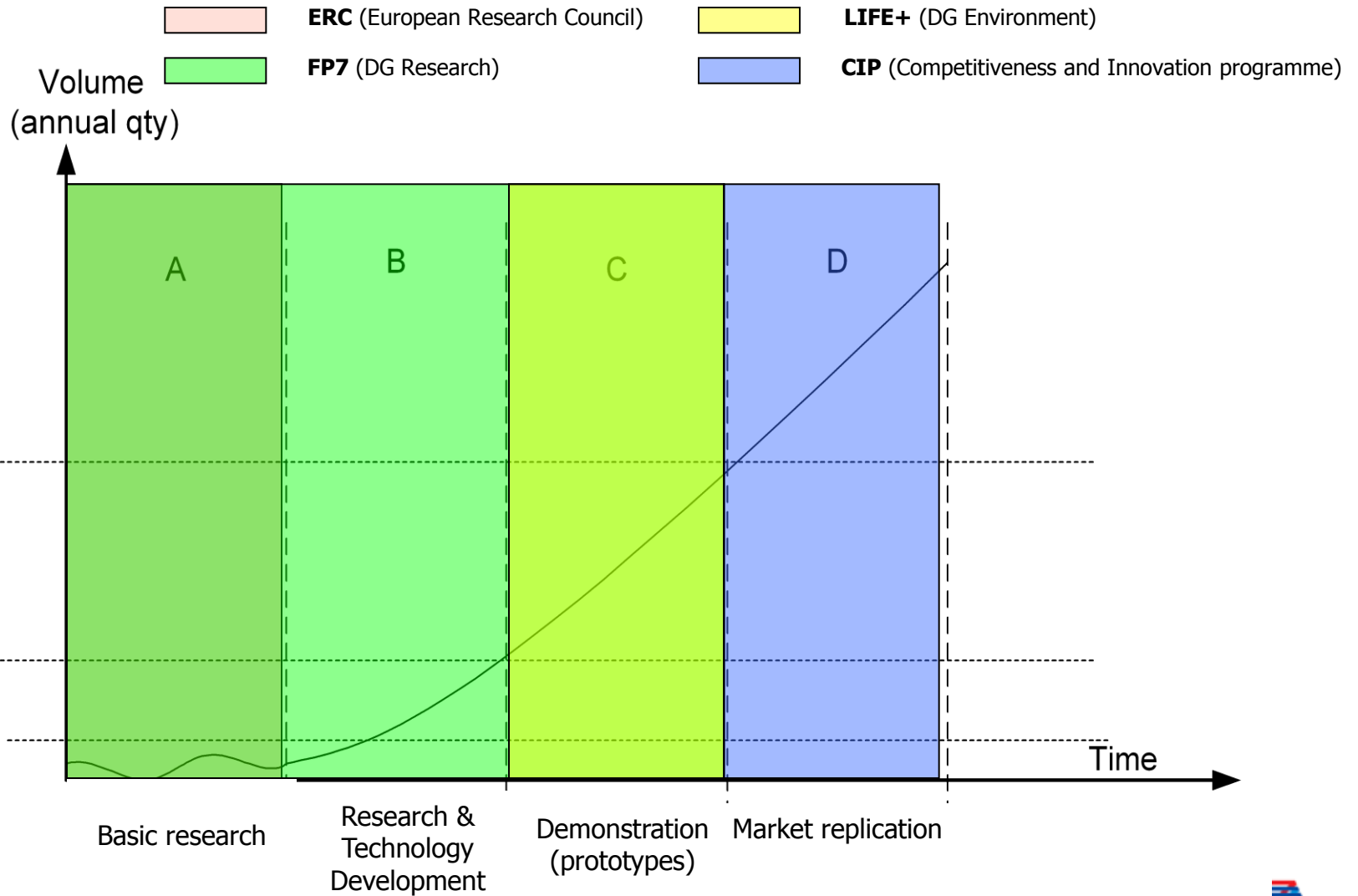
## The “development” topic (2-stage evaluation)

### **ENV.2011.3.1.9-1 Eco-innovation!**

Proposals should address **direct and indirect impacts**, as well as **primary and secondary effects**, and should clearly demonstrate a substantial improvement of the sustainability performance along the entire life cycle of the proposed solutions – also considering rebound effects - with respect to currently available state-of-the-art technologies or solutions.

Proposals should adequately demonstrate the market potential, the marketing feasibility and address the eventual regulatory and non-regulatory barriers that might limit the exploitation of the proposed innovation. **Elements of business plans** may considerably help to demonstrate the feasibility and the market potential.

# Who funds what



# WP2011 Eco-Innovation call

## The "development" topic (2-stage evaluation)

-all dates tbc -

ENV.2011.3.1.9-1 Eco-innovation! - Evaluation modalities:

<b>Call publication:</b>	<b>30 July 2010</b>
<b>First-stage submission deadline:</b>	<b>16 November 2010</b>
<b>First-stage evaluation results:</b>	<b>End January 2011</b>
<b>Second-stage submission deadline:</b>	<b>26 April 2011</b>
<b>Second-stage evaluation results:</b>	<b>End June 2011/mid July</b>
<b>First signed grant agreements</b>	<b>Fall 2011</b>

**No** budget thresholds

**No** maximum number of projects fundable

## The “development” topic (2-stage evaluation)

**ENV.2011.3.1.9-1 Eco-innovation!** - Particular requirements for participation, evaluation and implementation

*Projects will only be selected for funding on the condition that the estimated EU contribution going to SME(s) is **30%** or more of the total estimated EU contribution for the project as a whole. This will be assessed at the end of the negotiation, before signature of the grant agreement. **Proposals not fulfilling this criterion will not be funded.***

## The "measurement" topics (single stage evaluation)

### ENV.2011.3.1.9-2 Development of eco-efficiency meso-level indicators for technology assessment

- Develop indicators based on the quantitative assessment of eco-efficiency measured at "meso"-level.
- The eco-efficiency indicators should look at the entire value chain including the final step of the diffusion into society.
- The eco-efficiency indicators should be tested, collecting appropriate data, in at least **6 different case studies**.
- The research should build on the existing initiatives on eco-efficiency indicators (e. g. EEA, Eurostat, JRC, OECD).

## The “measurement” topics (single stage evaluation)

### ENV.2011.3.1.9-3 Macro-level Indicators to monitor the environmental impact of innovation

- The lack of good macro-level indicators is hindering the full recognition of the eco-innovations potential.
- Developing and measuring macro-level indicators to monitor the **ex-post impacts of innovation processes** including diffusion of innovations into society on key environmental impact categories (e.g. greenhouse gases release, resource efficiency, biodiversity).
- The **possibility of designing policy targets** and/or **evaluating the impact of policy measures** on the basis of eco-innovation indicators should be investigated.
- The research should build on the existing initiatives on eco-innovation indicators (e.g. EEA, Eurostat, JRC, OECD).

# WP2011 Eco-Innovation call

## The "measurement" topics (single stage evaluation)

-all dates tbc -

**ENV.2011.3.1.9-2 Development of eco-efficiency meso-level indicators for technology assessment**

**ENV.2011.3.1.9-3 Macro-level Indicators to monitor the environmental impact of innovation**

**Call publication:**

**30 July 2010**

**Submission deadline:**

**16 November 2010**

**Evaluation results:**

**End January 2011**

**First signed grant agreements**

**Spring 2011**

Maximum **2.5 Million Euros** EC contribution per proposal

Up to **1** proposal funded per topic



## The “dissemination” topic (single stage evaluation)

### **ENV.2011.3.1.9-4 Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for eco-innovation**

- E-dissemination of results should be streamlined and promoted notably through creative and dynamic platforms and interoperable portals/tools.
- The activity should be put in place in collaboration between selected past and current EU projects.
- The project will set up an interactive web portal, a search tool, a tool of on line communication between projects, a virtual library.
- Priority should be given to dissemination of results from projects on eco-innovation and clean technologies relevant to climate change mitigation and adaptation.



# WP2011 Eco-Innovation call

## The “dissemination” topic (single stage evaluation) -all dates tbc -

**ENV.2011.3.1.9-4 Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for eco-innovation**

<b>Call publication:</b>	<b>30 July 2010</b>
<b>Submission deadline:</b>	<b>16 November 2010</b>
<b>Evaluation results:</b>	<b>End January 2011</b>
<b>First signed grant agreements</b>	<b>Spring 2011</b>

Maximum **1.0 Million Euros** EC contribution per proposal

Up to **2** proposals funded

## The “dissemination” topic (single stage evaluation)

### ENV.2011.3.1.9-4 Dynamic e-dissemination systems and platforms for enterprises including SMEs to exploit results for eco-innovation

*Projects will only be selected for funding on the condition that the estimated EU contribution going to SME(s) is **25%** or more of the total estimated EU contribution for the project as a whole. This will be assessed at the end of the negotiation, before signature of the grant agreement. **Proposals not fulfilling this criterion will not be funded.***

## Environment (including climate change)

# INFO DAY WP 2011

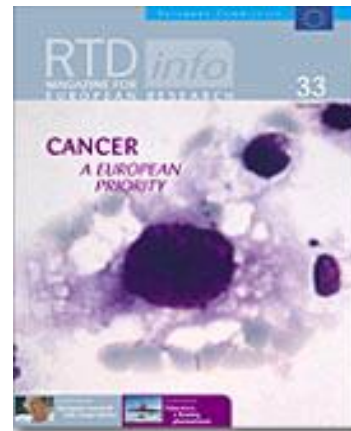
## Brussels, 12-13 July, 2010

Registration is mandatory.

Details about the agenda of the meeting, the registration form and other information are available at [http://ec.europa.eu/research/environment/index\\_en.cfm?pg=events](http://ec.europa.eu/research/environment/index_en.cfm?pg=events)



- **EU research:** <http://ec.europa.eu/research/>
- **Seventh Framework Programme:** [http://ec.europa.eu/research/future/index\\_en.cfm](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](mailto:research@ec.europa.eu)



***Thank you for your attention!***

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