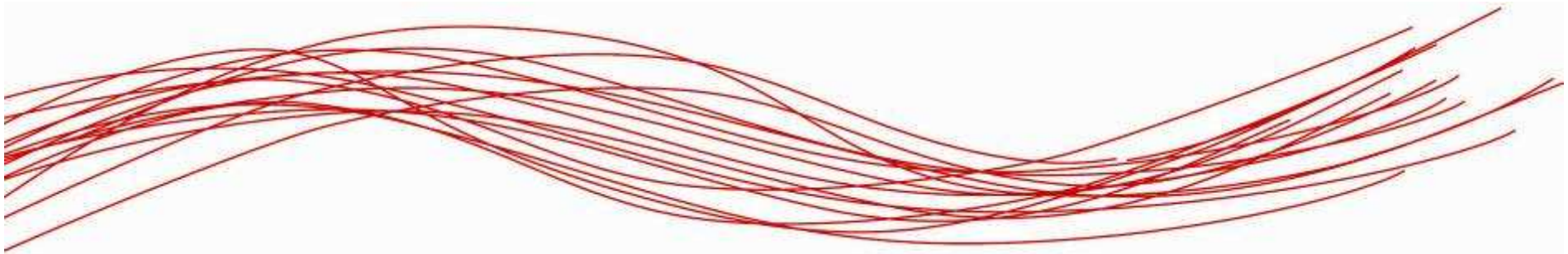


FP7 Cooperation Programme - Theme 6 Environment (including climate change)

“Tentative” Work Programme 2011



European Commission
Research DG

Michele Galatola

Unit I.3 – Environmental Technologies and Pollution prevention



Presentation outline

- 1. Some basic information on FP7 and its rules**
- 2. The rationale for the Environment (including climate change) Work Programme 2011**
- 3. The main three objectives for WP2011**
- 4. The Eco-Innovation call**

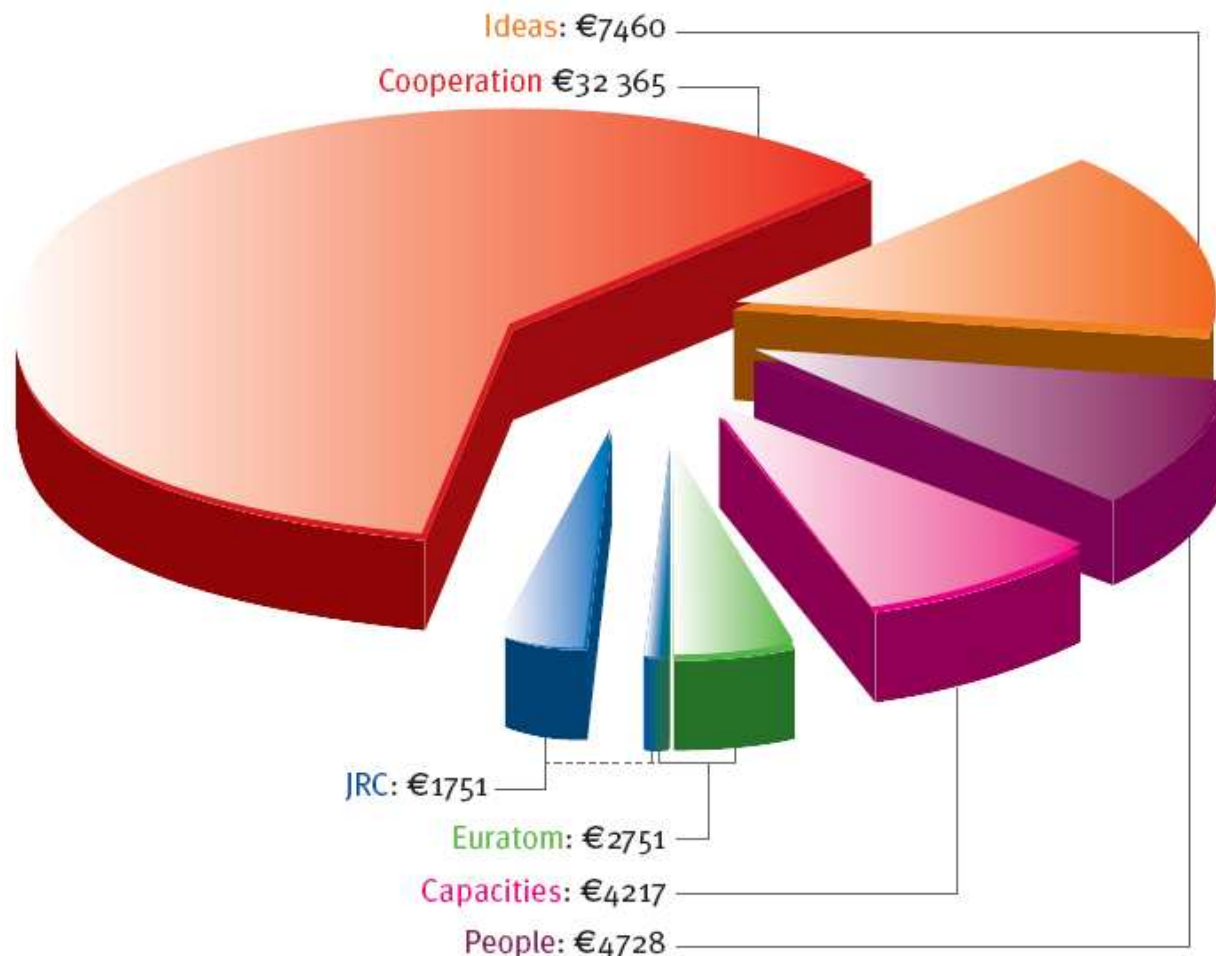


Some basic information on FP7 and its rules



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

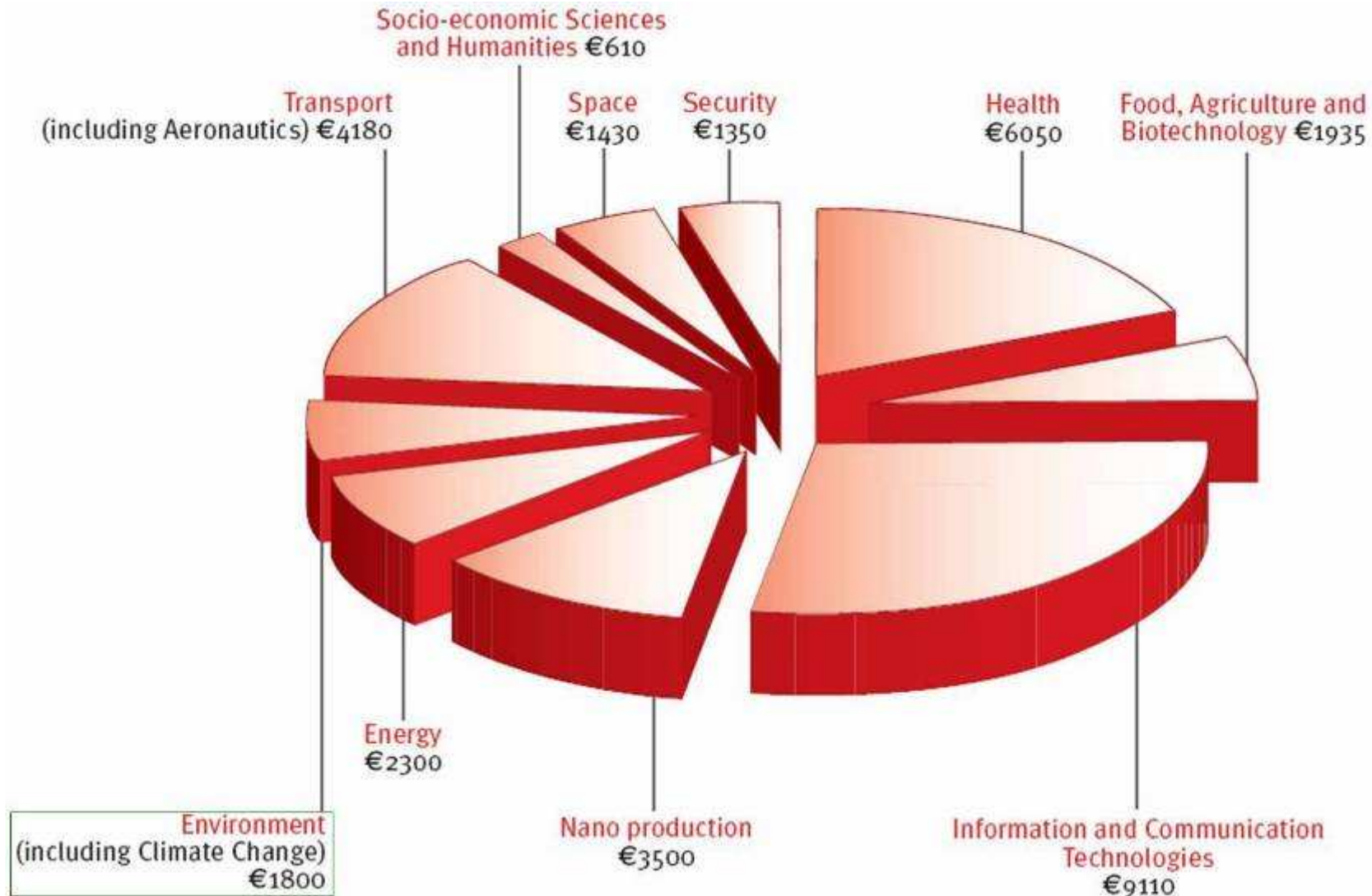
People:
Human Potential, Marie Curie

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





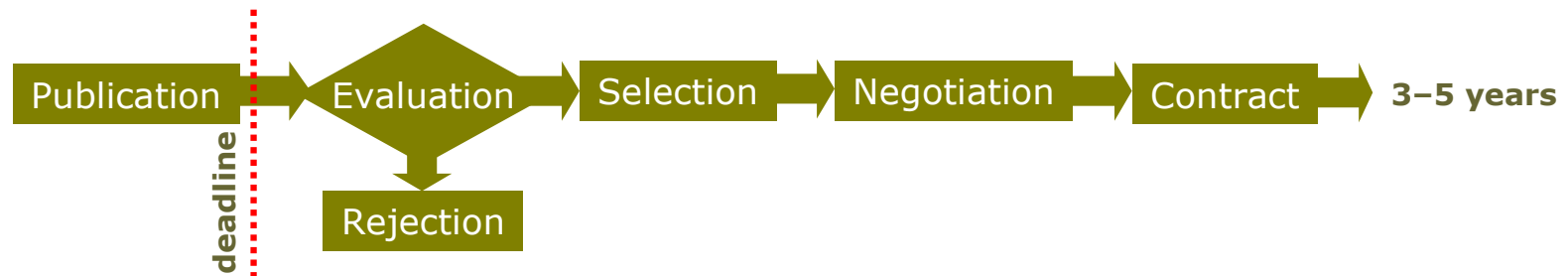
The Cooperation Programme breakdown (€ million)



Implementing FP7

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 rationale for 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)



Main elements of the strategy for WP 2011

- To concentrate on:
 - ▶ Societal challenges and major Policy drivers
 - ▶ More focused priorities
 - ▶ Systemic approach
 - ▶ New approaches to research and innovation



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 main three objectives for WP2011



WP2011 - More focused priorities (1)

- The overarching theme will be addressed through three objectives:

(1) To provide integrated solutions for action on **adaptation and mitigation of climate change**

- addressing new priorities e.g. costs and limits of adaptation, links with mitigation strategies
- working with developing countries and emerging economies
- using cross – thematic approaches



WP2011 - More focused priorities (2)

(2) To support **eco-innovation for eco-efficiency in society**

- supporting industry driven applied R&D
- boosting breakthrough eco-innovation
- working closely with stakeholders and Member States
- continue supporting Economic Recovery Plan, PPPs on “Green Cars” and “Energy Efficient Buildings”



WP2011 - More focused priorities (3)

(3) To provide a **systemic approach for governance** in a changing environment

- enhanced collaboration with stakeholders
- key priorities: identify and develop best methods to design and assess environmental policies, indicators and observation systems



WP2011 - New approaches to research and innovation

- **Joint Programming Initiative** on Cultural Heritage
- **A large-scale bottom-up call targeted for European industries and SMEs**
 - ▶ Addressing “systems solutions”
 - ▶ Radical eco-innovative environmental technologies





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

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)



WP2011 Eco-Innovation call

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



WP2011 Eco-Innovation call

The “development” topic (2-stage evaluation)

ENV.2011.3.1.9-1 Eco-innovation!

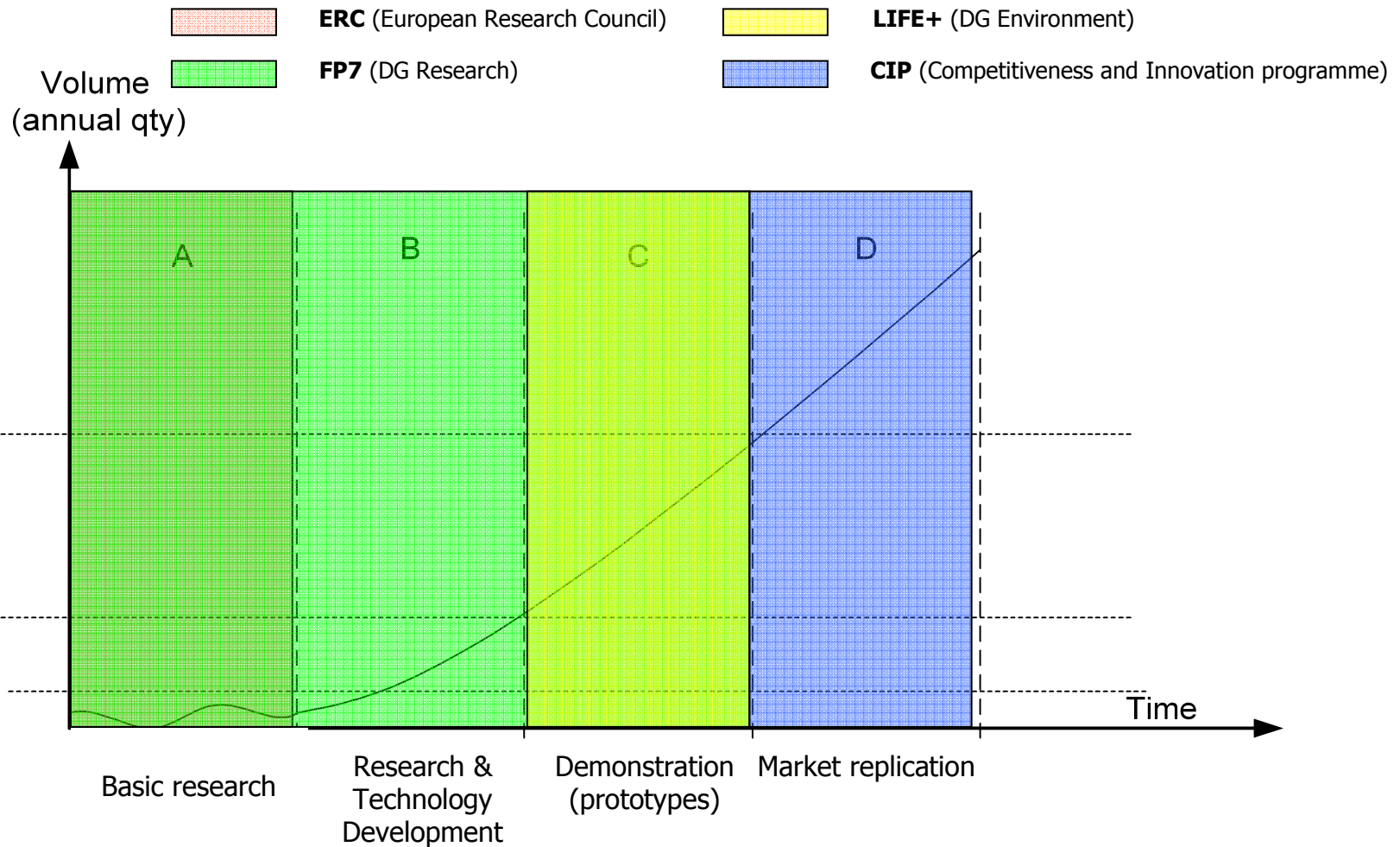
Proposals should address **direct and indirect impacts**, as well as **primary and secondary effects**, and should clearly demonstrate a substantial improvement of the sustainability performance along the entire life cycle of the proposed solutions – also considering rebound effects - with respect to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



Proposals **ONLY** addressing stage **C** and/or stage **D** are **out of scope** for the Eco-Innovation call 2011



WP2011 Eco-Innovation call

The "development" topic (2-stage evaluation)

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

Call publication:	30 July 2010
First-stage submission deadline:	26 October 2010
First-stage evaluation results:	End December 2010
Second-stage submission deadline:	29 March 2010
Second-stage evaluation results:	Mid June 2011
First signed grant agreements	Fall 2011

No budget thresholds

No maximum number of projects fundable



WP2011 Eco-Innovation call

The "development" topic (2-stage evaluation)

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

First stage

Proposal outline of **max. 15 pages** (A4 pages; font size 11 points; top, bottom, left right margins: 15mm) should focus on the S&T content and on clear identification of the intended results, their intended use and the expected impact (economic, social, environmental, etc.), and **2 additional pages** to describe the consortium and the estimated financial resources involved.

Assessment criteria

S/T quality	4/5
Impact	3/5
Overall threshold	8/10

Funding Scheme

Collaborative Project



WP2011 Eco-Innovation call

The "development" topic (2-stage evaluation)

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

Second stage

Proposals that will pass all thresholds will be invited to present a **full proposal** for Stage 2.

Assessment criteria

S/T quality	4/5
Implementation	3/5
Impact	3/5
Overall threshold	11/15



WP2011 Eco-Innovation call

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.
- 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)

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:	26 October 2010
Evaluation results:	End December 2010
First signed grant agreements	Spring 2011

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

Up to **1** proposal funded per topic



The "measurement" topics (single stage evaluation)

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

Assessment criteria	S/T quality	3/5
	Implementation	3/5
	Impact	3/5
	Overall threshold	10/15

Funding Scheme Collaborative Project



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)

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

Call publication:	30 July 2010
Submission deadline:	26 October 2010
Evaluation results:	End December 2010
First signed grant agreements	Spring 2011

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

Up to **2** proposals funded



WP2011 Eco-Innovation call

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

Assessment criteria	S/T quality	3/5
	Implementation	3/5
	Impact	3/5
	Overall threshold	10/15

Funding Scheme Supporting Action



WP2011 Eco-Innovation call

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, 12-14 July, 2011 (tbc)





Information

- **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



Thank you for your attention!

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