



FP7 Energy Research Information Days

Overview of the calls
research priorities, objectives

Bruno SCHMITZ
Head of Unit
New and renewable energy sources
Directorate-General Research



FP7 structure and budget (Billion €)



Euratom 2.8

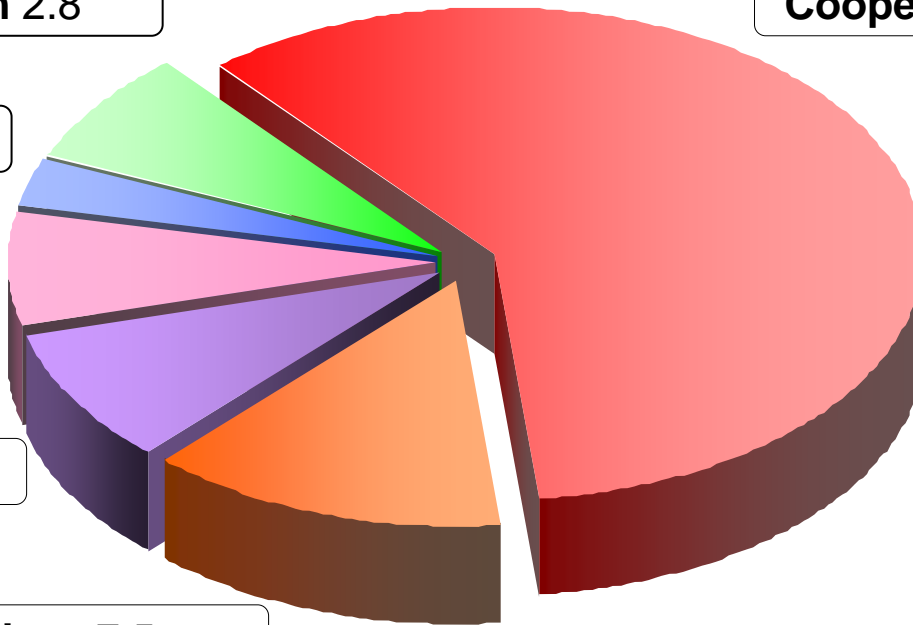
Cooperation 32.4

JRC 1.8

Capacities 4.1

People 4.8

Ideas 7.5



EC and Euratom

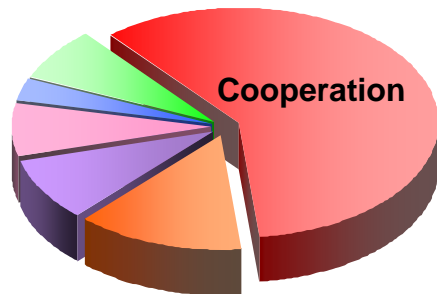


Not legally binding



Cooperation Themes

(32.4 Billion €)



1. Health
2. Food, agriculture and biotechnology
3. Information and communication technologies
4. Nanosciences, nanotechnologies, materials and new production technologies
5. Energy (RTD + TREN) – 2.3 B€
6. Environment (including climate change)
7. Transport (including aeronautics)
8. Socio-economic sciences and the humanities
9. Security
10. Space

Energy Theme

Note : 10 “activities” implemented jointly by DG RTD and TREN



Hydrogen and fuel cells

CO2 capture and storage technologies for zero emission power generation

Renewable electricity generation

Clean coal technologies

Renewable fuel production

Smart energy networks

Renewables for heating and cooling

Energy savings and energy efficiency

Knowledge for energy policy making

Horizontal Programme Actions



Not legally binding



Energy Theme :

Overall objective



- Adapting the current fossil-fuel based energy system into a more sustainable one,

less dependent of imported fuels,

based on a diverse mix of energy sources and carriers, with particular attention being paid to

lower and non-CO2 emitting energy technologies, combined with enhanced energy efficiency and conservation.

- To address the pressing challenges of security of supply and climate change, whilst increasing the competitiveness of Europe's industries.



Not legally binding



EU Most Relevant Policy Initiatives



- **Green Paper** of March 2006 on “A European Strategy for Sustainable, Competitive and Secure Energy”
- **Energy Package**
 - Strategic Energy Technology Plan (SET Plan): Technology is a key element.
 - EU Target:
 - 20% of greenhouse gas emissions reduction by 2020
 - Renewable Directive:
 - 20% of energy efficiency improvement by 2020
 - 20% of renewable energy sources in the energy mix by 2020 (With 10% in transport fuel)
- Communication on Financing Low Carbon technologies



Not legally binding



Work Programme 2010

Context (1)



- **Focus on key technological challenges, including:**
 - renewable fuels,
 - CO₂ capture and storage,
 - solar energy,
 - offshore wind,
 - smart electricity grids,
 - energy efficiency,
 - future emerging technologies
- **Encouraging SMEs participation in all activities, especially in the following topic:**
 - Further development of very thin wafer based c-Si photovoltaics



Not legally binding



Work Programme 2010

Context (2)



- **International cooperation**

- All activities open to third countries
- 2 topics encouraging active participation of relevant third countries (USA, Japan)
- Joint call with India

- **Cross thematic approaches**

- Joint call “Ocean of Tomorrow” (ENERGY (RTD) + Themes 2, 6, 7 and 8)
- Joint call “Energy-efficient Building” (ENERGY (TREN) + Themes 3, 4 and 6)
- Joint call “Sustainable automotive electrochemical storage” (ENERGY (RTD) + Themes 4, 6 and 7)

- **Dissemination actions**



Not legally binding



Energy Theme : The Work Programme (WP)



- **WP legal basis is the Cooperation Specific Programme, which sets the overall scope and objectives and, broadly speaking, the subjects to be covered**
- **WP may be revised annually (as required) and constitutes the basis of annual Calls for Proposals**
- **WP Terminology:**
 - ➔ **Theme (Energy)**
 - ➔ **Activity (nine in the Energy Theme)**
 - ➔ **Area (stable throughout FP7, but with flexibility)**
 - ➔ **Topic (subjects open for proposals in the calls, only in the year in question)**



Not legally binding



2010 calls

Content



- **For each topic:**
 - content/scope
 - funding scheme
 - expected impact
 - any other pertinent information
 - call ID
- **Where appropriate,**
 - an indication of expected project duration,
 - maximum EU contribution,
 - third country participation
 - number of projects that might be funded
- **Expected impact**
will be used during the evaluation,
as described at area/topic level or call fiche

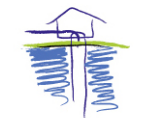


Not legally binding



2010 calls (1/4)

Implementation



- **FP7-ENERGY-2010-1** (focus on medium/long term RD&D)
 - Indicative budget: 54 M€
 - Funding Scheme: Coordinating action and Collaborative Project
 - Evaluation procedure: two-step
 - First deadline: 15 October 2009
 - Evaluation step 1: November 2009
 - Second deadline (indicative): 11 March 2010
 - Evaluation step 2: April/May 2010
- **FP7-ENERGY-2010-2** (focus on short/medium term RD&D)
 - Indicative budget: 126.4 M€
 - Funding Scheme: Coordinating action and Collaborative Project
 - Evaluation procedure: single step
 - Deadline: 4 March 2010
 - Evaluation: March/April 2010



Not legally binding



2010 calls (2/4)

Implementation



- **FP7-ENERGY-2010-FET** (focus on future emerging technologies)

- Indicative budget: 18 M€
- Funding Scheme: Collaborative Project
- Evaluation procedure: two-step

- First deadline: 15 October 2009
- Evaluation step 1: November 2009

- Second deadline (indicative): 11 March 2010
- Evaluation step 2: April/May 2010

- **FP7-ENERGY-2010-INDIA** (Joint call)

- Indicative budget: 5 M€
- Funding Scheme: Collaborative Project
- Evaluation procedure: single step

- Deadline: 30 November 2009
- Evaluation step: January 2010



Not legally binding



2010 calls (3/4)

Implementation



- **FP7-OCEAN-2010** (Joint call)
 - Indicative budget: 34 M€
 - Funding Scheme: Collaborative Project
 - Evaluation procedure: single step
 - First deadline: 14 January 2010
 - Evaluation step: February 2010
- **FP7-2010-NMP-ENV-ENERGY-ICT-EeB** (Joint call)
 - Indicative budget: 65 M€
 - Funding Scheme: Collaborative Project and Coordination and Support Action
 - Evaluation procedure: single step
 - Deadline: 3 November 2009
 - Evaluation step: December 2009



Not legally binding



2010 calls (4/4)

Implementation



- **FP7-2010-GC-ELECTROCHEMICAL-STORAGE**

(Joint call)

- Indicative budget: 25 M€
- Funding Scheme: Collaborative Project
- Evaluation procedure: single step

- Deadline: 14 January 2010
- Evaluation step: January/February 2010



Not legally binding



More information



Calls for proposals

<http://cordis.europa.eu/fp7/dc/index.cfm>

Information days

http://ec.europa.eu/research/conferences/2008/energy_infoday/infoday_energy_en.htm

Towards Seventh Framework Programme

http://ec.europa.eu/research/fp7/index_en.cfm



Not legally binding

