

## FP7 Information Day – Energy calls 2011

8 July 2010, Brussels



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[Overview of research priorities and calls](#)

[Rules of Participation: Submission – Selection](#)

[Rules of Participation: Demonstration Projects](#)

### [FP7 Energy calls](#)

#### **I. FP7-ENERGY-2011-1 - long-term research activities**

The first call for proposals (FP7-ENERGY-2011-1) focuses on long-term research activities, which will consist of a two stage submission and evaluation procedure. The first stage of the proposal should focus on the Scientific and Technical content and clearly identify the intended results, as well as outline the planned consortium composition and an estimate of required financial resources. The second stage consists of an evaluation on the basis of Scientific and Technical quality, Implementation and Impact. The deadline for proposals is 16 November 2010 and the indicative overall budget is EUR 74 million. Within this call there are six different activities:

1. Renewable Electricity Generation;
2. Renewable Fuel Production;
3. Renewables for Heating and Cooling;
4. **CO<sub>2</sub> Capture and Storage Technologies for Zero Emission Power Generation:**
  - a. High-efficiency post-combustion solvent-based capture processes: this should result in a significant reduction of the efficiency penalty of CO<sub>2</sub> capture for power plants and in a substantial decrease of the cost of capture;
  - b. Understanding the long-term fate of geologically stored CO<sub>2</sub>: focusing on the leakage and geological mechanisms on storage sites (to comply with the CCS directive). Projects should seek to build confidence and address public acceptance of geological storage, allowing for the safe and commercial deployment of large scale near zero emission power generation technology based on CCS.
5. **Clean Coal Technologies**, and more specifically on the optimization of IGCC technologies for use with high ash content coal (conversion technologies). This activity focuses on cooperation with India, and must consist of at least two legal entities from EU Member States or Associated Countries and two from India.
6. **Smart Energy Networks:**
  - a. Simulation toolbox with a narrow stability and security margin in the pan-European electricity transmission system;
  - b. Smart grid support action - cross-cutting technologies.

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## II. FP7-ENERGY-2011-2 - short-term research and demonstration activities

The **second call for proposals (FP7-ENERGY-2011-2)** focuses on short-term research and demonstration activities. The deadline for proposals is 7 April 2011 and the indicative overall budget is EUR 137 million. Within this call there are five different activities:

1. Renewable Electricity Generation (indicative budget: EUR 52 million);
2. Renewables for Heating and Cooling (indicative budget: EUR 20 million);
3. Cross-cutting Actions between Activities **Energy and Clean Coal Technologies** (indicative budget: EUR 20 million). This activity focuses on the energy efficiency of power plants and specifically on the industrial and manufacturing process:
  - a. optimize the integration of CO<sub>2</sub> capture into power plants, and requires the participation of key industrial partners and supplies for its effective realization;
  - b. improve efficiencies and reduce GHG emissions through CO<sub>2</sub> capture in industrial applications other than power generation;
  - c. support the **European CCS Demonstration Project Network**: one such project will be funded. It should run for 48 months (starting date of grant 1 January 2012) the EU contribution is not expected to exceed EUR 3 million;
4. Smart Energy Networks (indicative budget: EUR 30 million);
5. Energy Efficiency Savings (indicative budget: EUR 15 million).

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### FP7 International calls

**Introductory presentation:** [Overview of international cooperation](#)

The [EU Japan call for proposals \(FP7-ENERGY-2011-JAPAN\)](#) focuses on a project which is coordinated with Japanese authorities. The deadline for proposals is 25 November 2010. The indicative budget is EUR 5 million, with an equivalent budget expected to be funded by the Japanese New Energy and Industrial Technology Development Organization (NEDO) and METI. The call is open to R&D institutes and companies from the EU and Japan, “mirroring” the same research effort where a very close interaction is expected between the projects. This call focuses on concentrated photovoltaics, and is expected to lead to other coordinated projects with funding by the EU and Japan. Proposals submitted to the European Commission are only eligible with a parallel proposal to NEDO.

The [EU Energy International Research Staff Exchange Scheme](#) call for proposals (**FP7-ENERGY-2011-EXCHANGE**) focuses on an exchange of research staff between the EU, the US and Japan. It has an indicative budget of EUR 3 million and the deadline for proposals is 16 November 2010. Any proposal must meet the eligibility criteria as well as consist of partners from energy research entities in either the US or Japan. The fixed EU contribution per exchange staff member per month is EUR 2000. A maximum of two projects can be funded between the EU and each of the two partner countries. The main difference from the Marie Curie exchange programmes is that this call is only focuses on energy and is only possible with the USA and Japan.

## FP7 Specific calls

The **Joint Call (FP7-NMP-ENERGY-2011)** is a collaboration call between the themes of Energy and NMP (Nanosciences, nanotechnologies, materials and new production technologies). The deadline for proposals is 25 November 2010 and it has an indicative budget of EUR 25 million (including EUR 10 million from the theme Energy). The project is implemented and evaluated jointly by the themes Energy and NMP and focuses on innovation in photovoltaics. The proposals should be submitted only once (Energy or NMP, but not both) and any proposal must request funding greater than EUR 4 million. To download the slides, please [click here](#).

The call for proposals for **Energy-Efficient Buildings (FP7-2011-NMP-ENV-ENERGY-ICT-EeB)** is a joint call between Energy, Environment, NMP and ICT (Information and Communication Technologies), which has been launched under the European Economic Recovery Plan, which focuses on the most hit sectors by the economic downturn (automotive, construction and manufacturing). The deadline for proposals is 2 December 2010 and it has an indicative budget of EUR 85.5 million (including EUR 20 million from the theme Energy). To download the slides, please [click here](#).

The **ERA-NET call for proposal (FP7-ERANET-2011-RTD)** is focused on ERA-NET and ERA-NET Plus topics and horizontal support actions. The deadline for proposals is 22 February 2011 and it has an indicative budget of EUR 45.5 million (including EUR 4 million for Energy Horizontal Programme Actions). This will focus on coordinating the national research activities of Member States and Associated States in the field of Geothermal and Ocean energy. To download the slides, please [click here](#).

The call for proposals on **The Ocean of Tomorrow (FP7-OCEAN-2011)** is a joint call by themes Energy, KBBE, Environment and Transport. The deadline for proposals is 18 January 2011 and it has an indicative budget of EUR 45 million (including EUR 5 million from the theme Energy). Proposals for this project require multi-disciplinary research to address all topics from this call, and hence multi-sectoral composition of partners is essential. To download the slides, please [click here](#).

## Other EU funding programmes

### Research Fund for Coal & Steel

The Research Fund for Coal & Steel (RFCS) is separate from FP7 but is closely coordinated with it. It has a budget of EUR 55 million per year (EUR 15 million for coal and EUR 40 million for steel), originating from the assets of the European Coal and Steel Community (the embryonic European Union from 1952). The RFCS's call for proposals focuses on promoting industrial research projects (60% funding), pilot and demonstration projects (50% funding) in the fields of coal and steel. In the previous year 30% of proposals to the RFCS were successful, with a typical budget ranging from EUR 0.8-1.2 million. They suggest very specific, focused proposals and a small number of partners for each project (5-8 members, to facilitate easy management).

Research Objectives for coal (hard coal, lignite, coke, oil shale):

1. Management of external dependence on energy supply

2. Coal as a clean energy source
3. Health and safety in mines
4. Improving the competitive position of the coal community

Proposals can be submitted any time, and are evaluated once a year in the autumn. The financial and management rules are very similar to FP7. To download the slides, please [click here](#).

### **FCH JU call for proposals**

The **FCH JU call for proposals 2010 part 1 (FCH-JU-2010-1)** focuses on facilitating the market introduction of Fuel Cells and Hydrogen, by breaking down the barriers to commercial deployment.

The funding works a bit different from FP7, as in JTI calls the budget has to match the industry contribution (50%) including the so-called in-kind contribution from industry. This however proved to bring up challenges for consortiums including universities and industry partners as well. Another difference is that funding is available for 3<sup>rd</sup> country partners, provided that they provide research and facilities that are not available in the EU.

The deadline for proposals is 13 October 2010 and it has an indicative budget of EUR 89.1 million. The sections within this call are:

1. Transportation and Refueling Infrastructure: EUR 31.6 million indicative budget;
2. Hydrogen Production and Distribution: EUR 11 million indicative budget;
3. Stationary Power Generation and CHP: EUR 33 million indicative budget;
4. Early Markets: EUR 11.5 million indicative budget;
5. Cross-cutting Issues: EUR 2 million indicative budget.

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**ETN office,**  
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