



EUROPEAN  
COMMISSION

Community research

# FP7 Energy Research Information Days

**Overview of the calls  
research priorities, objectives**

**Bruno SCHMITZ**  
European Commission, DG Research  
New and renewable energy sources



1

Note: document not legally binding

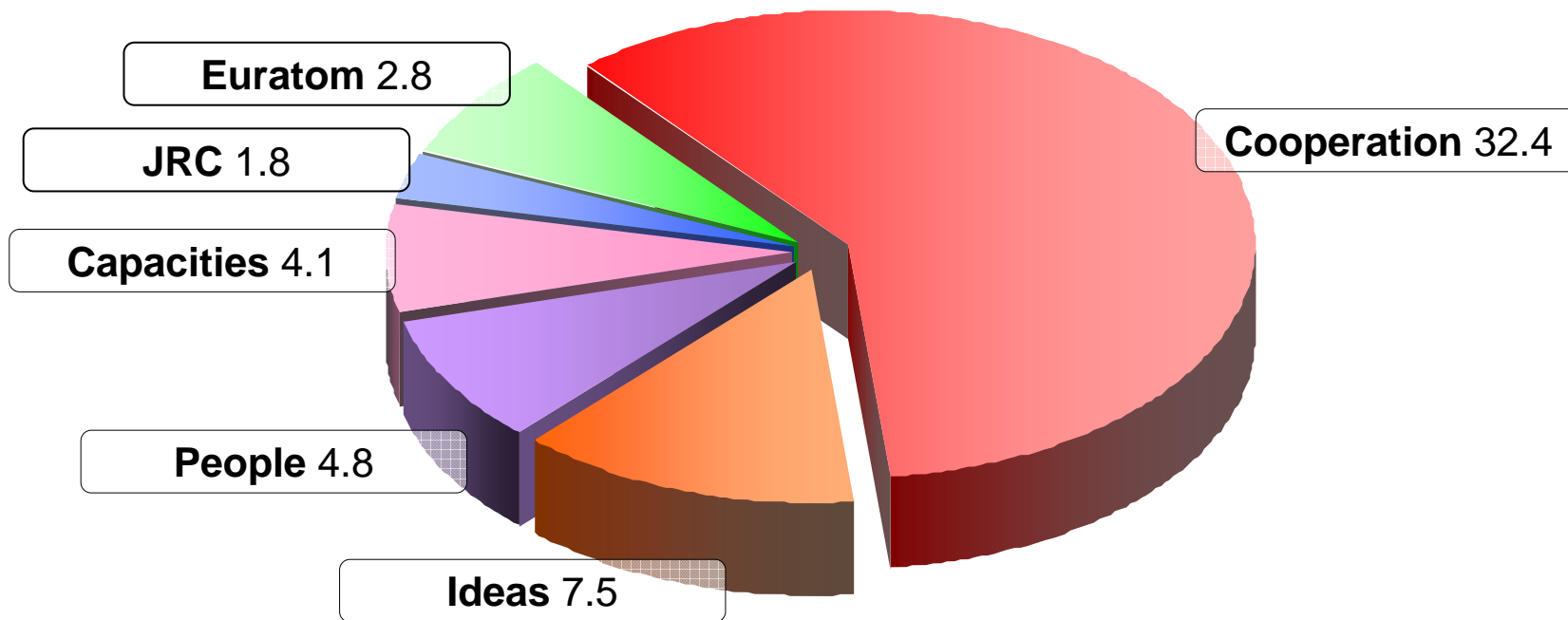




EUROPEAN  
COMMISSION

Community research

# FP7 structure and budget (Billion €)

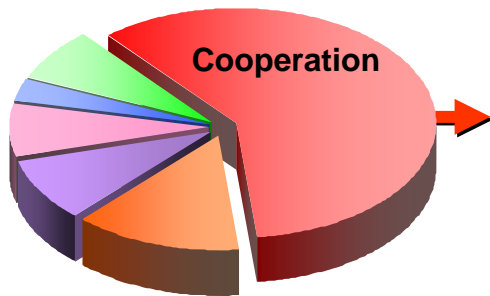


EC and Euratom





# 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**

4

**Horizontal Programme Actions**





## 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.**





# EU Most Relevant Policy Initiatives

- **Green Paper** of March 2006 on  
“A European Strategy for Sustainable,  
Competitive and Secure Energy”
- **Energy Package**
  - Technology is a key element in achieving the Green Paper triangle and hence the proposed Strategic Energy Technology Plan (SET Plan)
  - Main EU targets:
    - 20% of greenhouse gas emissions reduction by 2020
    - 20% of energy efficiency improvement by 2020
    - 20% of renewable energy sources in the energy mix by 2020  
(With 10% in transport)



EUROPEAN  
COMMISSION

Community research

# Work Programme 2009

## *Context (1)*

- **Focus on key technological challenges, including:**
  - 2<sup>nd</sup> generation biofuels,
  - CO<sub>2</sub> capture and storage,
  - solar energy,
  - offshore wind
  - smart electricity grids
- **Encouraging SMEs participation in all activities**, especially in the following topics:
  - Efficiency and material issues for thin-film photovoltaics
  - Biowaste as feedstock for 2nd generation
  - Sustainable Biorefineries
  - High density /rapid release energy storage





EUROPEAN  
COMMISSION

Community research

# Work Programme 2009

## *Context (2)*

- **International cooperation**
  - All activities open to third countries
  - 5 topics encouraging active participation of relevant third countries (China, India)
- **Cross thematic approaches**
  - Joint call BIOREFINERY (ENERGY (RTD+TREN) + Themes 2, 4 and 6)
  - Coordinated approach between Energy and Themes 2 and 6 to promote a "Sustainable use of the Seas and Oceans"
- **Dissemination actions**



# 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 (ten 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)**

<sup>9</sup>*Note : Next (2009) Call will be published early 3rd September 2008*





# 2009 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



# 2009 calls (1/2)

## *Implementation*

- **FP7-2009-ENERGY-1** (focus on medium/long term RD&D)
  - Indicative budget: 83 M€
  - Funding Scheme: Coordinating action and Collaborative Project
  - Evaluation procedure: two-step
  
  - First deadline: 25 November 2008
  - Evaluation step 1: December 2008/January 2009
  
  - Second deadline (indicative): 1 April 2009
  - Evaluation step 2: April /May 2009.
- **FP7-2009-ENERGY-2** (focus on short/medium term RD&D)
  - Indicative budget: 100 M€
  - Funding Scheme: Coordinating action and Collaborative Project
  - Evaluation procedure: single step
  
  - Deadline: 29 April 2009
  - Evaluation: June 2009.



## 2009 calls (2/2) *Implementation*

- **FP7-2009-ENERGY-3** (focus on horizontal activities and support to stakeholders )
  - Indicative budget: 5.5 M€
  - Funding Scheme: Coordinating action and/or supporting action
  - Evaluation procedure: single step
  
  - Deadline: 25 November 2008
  - Evaluation: December 2008/January 2009
  
- **FP7-2009-BIOREFINERY** (Joint call)
  - Indicative budget: 57 M€
  - Funding Scheme: Coordinating action and Collaborative Project
  - Evaluation procedure: single step (CA) and two-step (CP)
  
  - First deadline: 2 December 2008
  - Evaluation step 1: December 2008/January 2009
  
  - Second deadline (indicative): 5 Mai 2009
  - Evaluation step 2: May/June 2009.



EUROPEAN  
COMMISSION

Community research

## 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](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](http://ec.europa.eu/research/fp7/index_en.cfm)

