

## Energy-related topic in FP 7 calls 2011

Area	Topic code	Topic title	Funding scheme	Call identifier	Deadline
<b>Renewable energies</b>					
<b>PV</b>	ENERGY.2011.2.1-3	Productivity and cost optimization issues for the manufacturing of photovoltaic systems based on concentration	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.2.1-1	Ultra-high efficiency concentration photovoltaics (CPV) cells, modules and systems / EU-Japan Coordinated Call	CP	<a href="#">FP7-ENERGY-2011-JAPAN</a>	25/11/2010
	ENERGY- 2011.2.1-2	Development and up-scaling of innovative photovoltaic cell processes and architectures to pilot-line scale for industrial application	CP	<a href="#">FP7-NMP-ENERGY-2011</a>	25/11/2010
	NMP.2011.1.4-2	Development of nano-scale detection and control techniques for large area substrates	CP	<a href="#">FP7-NMP-2011-LARGE-5</a>	4/11/2010
	ENERGY.2011.2.1-4	Development and demonstration of standardized building components	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	Objective ICT-2011.3.6; target outcome a)	Flexible, Organic and Large Area Electronics and Photonics - OLAE technology and components	STREP, IP	FP7-ICT-2011-7	18/01/2011
<b>Wind energy</b>	ENERGY.2011.2.3-2	Development of design tools for Offshore Wind farm clusters	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	OCEAN.2011-4	Knowledge-base and tools for regional networks of MPAs, integrated management of activities together with assessment of wind energy potential in the Mediterranean and the Black Sea	CP (SICA)	<a href="#">FP7-OCEAN-2011</a>	18/01/2011
	ENERGY.2011.2.3-1	Demonstration of innovative off-shore wind electricity generation structure	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
<b>Ocean, wind etc.</b>	ENERGY.2011.10.2-3	Supporting the coordination of national research activities of Member States and Associated States in the field of OCEAN energy (ERANET)	CSA	<a href="#">FP7-ERANET-2011-RTD</a>	22/02/2011
	OCEAN.2011-1	Multi-use offshore platforms	CP	<a href="#">FP7-OCEAN-2011</a>	18/01/2011
<b>Concentrated solar power</b>	ENERGY.2011.2.5-1	Thermal energy storage for CSP plants	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	ENERGY.2011.2.5-2	Advanced heat transfer fluids for CSP technology	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010

<b>Bioenergy</b>	ENERGY.2011.3.7-1	Development of new or improved sustainable bio-energy carriers	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	KBBE.2011.3.4-01	BioWASTE - Novel biotechnological approaches for transforming industrial and/or municipal biowaste into bioproducts	CP (SICA)	<a href="#">FP7-KBBE-2011-5</a>	25/01/2011
<b>Solar thermal energy</b>	ENERGY.2011.4.1-2	Low/Medium temperature solar thermal systems for industrial process heat	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.4.1-3	Materials for thermal storage systems	CP	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.4.1-4	Advanced compact storage systems	CP	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.4.1-1	Revisiting solar-thermal systems for using breakthroughs in scientific and technological fields	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
<b>Geothermal energy</b>	ENERGY.2011.10.2-2	Supporting the coordination of national research activities of Member States and Associated States in the field of GEOTHERMAL energy (ERA-NET)	CSA	<a href="#">FP7-ERANET-2011-RTD</a>	22/02/2011

### Fuel Cells and Hydrogen

<b>Transportation &amp; Refuelling Infrastructure</b>	SP1-JTI-FCH.2010.1.1-5			<a href="#">FCH-JU-2010-1</a>	13/10/2010
<b>Hydrogen Production &amp; Distribution</b>	SP1-JTI-FCH.2010.2.1-6			<a href="#">FCH-JU-2010-1</a>	13/10/2010
<b>Stationary Power Generation &amp; CHP</b>	SP1-JTI-FCH.2010.3.1-6			<a href="#">FCH-JU-2010-1</a>	13/10/2010
<b>Early Markets</b>	SP1-JTI-FCH.2010.4.1-6			<a href="#">FCH-JU-2010-1</a>	13/10/2010
<b>Cross-cutting Issues</b>	SP1-JTI-FCH.2010.5.1-2			<a href="#">FCH-JU-2010-1</a>	13/10/2010

### Carbon Capture and Storage, Clean Coal

Carbon Capture and Storage, Clean Coal					
<b>CCS, Clean Coal</b>	ENERGY.2011.5&6.2-1	Optimising the integration of CO2 capture into power plants	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.5&6.2-2	Improving efficiencies and reducing GHG emissions through CO2 capture in industrial applications other than power generation	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.5&6.2-3	Support to the European CCS Demonstration Project Network	CSA	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.5.1-1	High-efficiency post-combustion solvent-based capture processes	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	ENERGY.2011.5.2-1	Understanding the long-term fate of geologically stored CO2	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	ENERGY.2011.6.1-1	Optimisation of IGCC technologies for use with high ash content coal	CP (SICA)	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	NMP.2011.4.0-2	Advanced underground technologies for intelligent mining and for inspection, maintenance and excavation	CP	<a href="#">FP7-NMP-2011-LARGE-5</a>	4/11/2010

### Smartgrids

Smartgrids					
<b>Smartgrids</b>	ENERGY.2011.7.2-1	Innovative tools for the future coordinated and stable operation of the pan-European electricity transmission system	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	ENERGY.2011.7.2-2	Innovative strategies and tools for the reliability assessment of the pan-European electricity transmission network	CP	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	ENERGY.2011.7.3-1	Network of projects developing the future European electricity networks	CSA	<a href="#">FP-ENERGY-2011-1</a>	16/11/2010
	ENERGY.2011.7.3-2	Storage and balancing variable electricity supply and demand	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	Objective ICT-2011.6.2	ICT systems for energy efficiency	STREP, CSA	FP7-ICT-2011-7	18/01/2011

**Energy efficiency**

<b>Energy efficiency</b>	ENERGY.2011.8.1-2	Energy efficiency demonstration in manufacturing industry	CP (D)	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	ENERGY.2011.8.1-3	Energy efficiency in low-carbon industrial parks	CSA	<a href="#">FP-ENERGY-2011-2</a>	7/04/2011
	Objective ICT-2011.6.2	ICT systems for energy efficiency	STREP, CSA	FP7-ICT-2011-7	18/01/2011
	KBBE.2011.4-04	Energy Efficiency in Agriculture	CP	<a href="#">FP7-KBBE-2011-5</a>	25/01/2011
<b>Energy efficiency (buildings)</b>	EeB.NMP.2011-1	Materials for new energy efficient building components with reduced embodied energy	CP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.NMP.2011-2	New efficient solutions for energy generation, storage and use related to space heating and domestic water in existing buildings	CP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.NMP.2011-3	Energy saving technologies for buildings envelope retrofitting	CP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.NMP.2011-4	Geo-cluster approach to support European energy-efficiency goals	CSA	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.ENV.2011.3.1.5-1	Technologies for ensuring, monitoring and/or controlling a high quality indoor environment particularly in relation to energy efficient buildings	CP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.ENV.2011.3.1.5-2	Operational guidance for Life Cycle Assessment studies of the Energy Efficient Buildings Initiative	CSA	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.ENERGY.2011.8.1-1	Demonstration of very low energy new buildings	CP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB-ICT-2011.6-4	ICT for energy-efficient buildings and spaces of public use - a) targeted outcome	CP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB-ICT-2011.6-4	ICT for energy-efficient buildings and spaces of public use - b) targeted outcome	CSA	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EEB-ICT-2011.6.5	ICT for energy-positive neighbourhoods	STREP	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
	EeB.ENV.2011.3.1.5-2	Operational guidance for Life Cycle Assessment studies of the Energy Efficient Buildings Initiative	CSA	<a href="#">FP7-2011-NMP-ENV-ENERGY-ICT-EeB</a>	2/12/2010
<b>Energy efficiency, green cars, electric vehicles, energy storage</b>	AAT.2011.1.4-2.	Systems approach to improved core engine thermal efficiency	CP	<a href="#">FP7-AAT-2011-RTD-1</a>	2/12/2010
	AAT.2011.6.1-2.	Breakthrough and emerging technologies (Propulsion)	CP	<a href="#">FP7-AAT-2011-RTD-1</a>	2/12/2010
	AAT.2011.6.3-4.	New sources of aircraft main propulsive power	CP	<a href="#">FP7-AAT-2011-RTD-1</a>	2/12/2010
	SST.2011.1.1-3.	Towards zero emission marine engines	CP	<a href="#">FP7-SST-2011-RTD-1</a>	2/12/2010
	SST.2011.1.1-4.	Energy consumption reduction in urban rail systems	CP	<a href="#">FP7-SST-2011-RTD-1</a>	2/12/2010

	SST.2011.3.4-1.	Design, implement and test innovative strategies for sustainable urban transport	CP	FP7-SST-2011-MOVE -1	6/01/2011
	GC.NMP.2011-1	Advanced eco-design and manufacturing processes for batteries and electrical components	CP	<a href="#">FP7-2011-GC-ELECTROCHEMICAL-STORAGE</a>	2/12/2010
	GC-ICT-2011.6.8	ICT for fully electric vehicles	STREP	<a href="#">FP7-2011-ICT-GC</a>	2/12/2010
	GC.SST.2011.7-2.	Integrated thermal management	CP	<a href="#">FP7-2011-GC-ELECTROCHEMICAL-STORAGE</a>	2/12/2010
	GC.SST.2011.7-4.	Efficient long distance transport – waste heat recovery	CP	<a href="#">FP7-2011-GC-ELECTROCHEMICAL-STORAGE</a>	2/12/2010
	GC.ENV.2011.3.1.3-2	Operational guidance for Life Cycle Assessment studies of the European Green Cars Initiative	CSA	<a href="#">FP7-2011-GC-ELECTROCHEMICAL-STORAGE</a>	2/12/2010
<b>Energy materials</b>					
<b>Materials</b>	NMP.2011.2.2-6	Fundamental properties of novel superconducting materials (coordinated call with Japan)	CP	<a href="#">FP7-NMP-2011-EU-Japan</a>	17/11/2010
	NMP.2011.4.0-3	Advanced textiles for the energy and environmental protection markets	CP	<a href="#">FP7-NMP-2011-SME-5</a>	4/11/2010
	NMP.2011.2.2-1	Novel superconducting materials, architectures and processes for electro-technical applications	CP	<a href="#">FP7-NMP-2011-LARGE-5</a>	4/11/2010

Open topics					
<b>"Frontier research"</b>	open to all areas		Starting Grant	<a href="#">ERC-2011-StG</a>	14/10/2010
	open to all areas		Advanced Grant	ERC-2011-AdG	
	Objective ICT-2011.9.1	Challenging current Thinking	CP	<a href="#">FP7-ICT-2011-C</a>	up to 2012
<b>Mobility of researchers</b>	<a href="#">Marie Curie actions</a>				
	ENERGY.2011.10.2-1	Pilot International Researcher Exchange in the field of energy research (US and Japan)	Support for training and career development of researchers	<a href="#">FP7-ENERGY-2011-EXCHANGE</a>	16/11/2010
<b>SME-oriented</b>	Activity: 2.1	Research for SMEs	Research for the benefit of specific groups (in particular SMEs)	<a href="#">FP7-SME-2011</a>	8/12/2010
	Activity: 2.3	Demonstration action	CP	<a href="#">FP7-SME-2011</a>	8/12/2010

**Other**

<b>Research infrastructures</b>	INFRA-2011-1.1.15.	Research Infrastructures for thermo-chemical biomass conversion	CP, CSA	<a href="#">FP7-INFRASTRUCTURES-2011-1</a>	25/11/2010
	INFRA-2011-1.1.16.	Research Infrastructures for Hydrogen & Fuel Cells facilities	CP, CSA	<a href="#">FP7-INFRASTRUCTURES-2011-1</a>	25/11/2010
	INFRA-2011-2.1.1	Design studies for research infrastructures in all S&T fields.	CP	<a href="#">FP7-INFRASTRUCTURES-2011-1</a>	25/11/2010
<b>Microelectronics</b>	Objective ICT-2011.10.1 EU-Brazil Research and Development cooperation	Topic 1: Microelectronics/Microsystems	STREP	FP7-ICT-2011-EU-Brazil	
<b>Lighting</b>	NMP.2011.2.2-3	Materials for solid state lighting	CP	<a href="#">FP7-NMP-2011-SMALL-5</a>	4/11/2010
<b>Urban planning</b>	ENV.2011.2.1.5-1	Sustainable and Resilient Green Cities	CP	<a href="#">FP7-ENV-2011</a>	16/11/2010
<b>Public acceptance</b>	SiS.2011.1.0-1	Mobilisation and Mutual Learning (MML) Action Plans on societal challenges - Specific Challenge 1: Moving towards a low-carbon society	CSA	<a href="#">FP7-SCIENCE-IN-SOCIETY-2011-1</a>	20/01/2011