

Call title: Energy Call Part 1

- **Call identifier:** FP7-ENERGY-2013-1
- **Date of publication:** 10 July 2012
- **Deadline:** 28 November 2012 at 17.00.00, (Brussels local time)¹
- **Indicative budget** ²: EUR 107.5 million from the 2013 budget³, of which
 - EUR 105.5 million from Theme 5 – Energy
 - EUR 2 million from Theme 2 – Food, Agriculture and Fisheries, and Biotechnology (FAFB)⁴

Challenge	Activities / Areas / Topics in this work programme	Indicative budget
Renewable energies	Area Energy 2.1: Photovoltaics Area Energy 2.3: Wind Area Energy 2.4: Geothermal energy Area Energy 2.6: Ocean energy Area Energy 2.9: Cross-Cutting Issues Area Energy.4.1: Low/Medium Temperature Solar Thermal Energy	EUR 51 million
Renewable energies	Topic ENERGY.2013.3.7.1: Support to the sustainable delivery of non-food biomass feedstock at local, regional and pan-European level	EUR 4 million ⁵
Smart grids / energy storage	Area Energy 2.7: Hydro energy Activity Energy.7: Smart Energy Networks	EUR 24 million
Carbon Capture and Storage	Activity Energy.5: Co2 Capture and Storage Technologies for Zero Emission Power Generation Activity Energy.6: Clean Coal Technologies	EUR 28.5 million

¹ The Director-General responsible may delay this deadline by up to two months.

² Reserve lists per sub-area of the indicative budget table will be constituted if there are a sufficient number of good quality proposals. It will be used if extra budget becomes available.

³ Under the condition that the draft budget for 2013 is adopted without modification by the budgetary authority.

⁴ The contribution of the FAFB Theme is for topic 3.7.1.

⁵ Both the Energy and the FAFB Theme will each contribute EUR 2 million for this topic.

The budget for this call is indicative. The final budget awarded to actions implemented through calls for proposals may vary:

- The final budget of the call may vary by up to 10% of the total value of the indicated budget for each call; and
- Any repartition of the call sub-budgets may also vary by up to 10% of the total value of the indicated budget for the call.

• **Topics called:**

Activity/ Area	Topics called	Funding Schemes and eligibility criteria
ACTIVITY ENERGY.2: RENEWABLE ELECTRICITY GENERATION		
Area Energy 2.1: Photovoltaics	ENERGY.2013.2.1.1 <i>Up to one project may be funded</i>	Collaborative Project
Area Energy 2.3: Wind	ENERGY.2013.2.3.1 <i>Up to one project may be funded</i>	Collaborative Project
	ENERGY.2013.2.3.2 <i>Up to one project may be funded</i>	Collaborative Project
Area Energy 2.4: Geothermal energy	ENERGY.2013.2.4.1 <i>Up to one project may be funded</i>	Collaborative Project
Area Energy 2.6: Ocean energy	ENERGY.2013.2.6.1 <i>Up to one project may be funded</i>	Collaborative Project
Area Energy 2.7: Hydro energy	ENERGY.2013.2.7.1 <i>Up to one project may be funded</i>	Collaborative Project
Area Energy 2.9: Cross-Cutting Issues	ENERGY.2013.2.9.1 <i>Up to two projects may be funded</i>	Collaborative project for specific international cooperation actions (SICA)
	ENERGY.2013.2.9.2 <i>Up to one project</i>	Collaborative Project <i>The maximum requested EU</i>

	<i>may be funded</i>	<i>contribution per project shall not exceed EUR 3 million.</i>
ACTIVITY ENERGY.3: RENEWABLE FUEL PRODUCTION		
Area Energy 3.7: Cross-Cutting Issues	ENERGY.2013.3.7.1 <i>Up to one project may be funded</i>	Collaborative Project
ACTIVITY ENERGY.4: RENEWABLES FOR HEATING AND COOLING		
Area Energy.4.1: Low/Medium Temperature Solar Thermal Energy	ENERGY.2013.4.1.1 <i>Up to one project may be funded</i>	Collaborative Project
ACTIVITY ENERGY.5: CO₂ CAPTURE AND STORAGE TECHNOLOGIES FOR ZERO EMISSION POWER GENERATION		
Area Energy 5.1: CO ₂ Capture	ENERGY.2013.5.1.1	Collaborative Project <i>The maximum requested EU contribution per project shall not exceed EUR 8 million.</i>
	ENERGY.2013.5.1.2	Collaborative Project
Area Energy 5.2: CO ₂ Storage	ENERGY.2013.5.2.1	Collaborative Project
ACTIVITY ENERGY.6: CLEAN COAL TECHNOLOGIES		
Area Energy 6.1: Conversion Technologies for Zero Emission Power Generation	ENERGY.2013.6.1.1 <i>Up to one project may be funded</i>	Collaborative Project
ACTIVITY ENERGY.7: SMART ENERGY NETWORKS		
Area Energy 7.2: Pan-European Energy Networks	ENERGY.2013.7.2.1	Collaborative Project
	ENERGY.2013.7.2.2	Collaborative Project
	ENERGY.2013.7.2.4 <i>Up to one project may be funded</i>	Collaborative Project
Area Energy 7.3: Cross Cutting Issues and Technologies	ENERGY.2013.7.3.3	Collaborative Project

- **Eligibility conditions**

- The general eligibility criteria for this call are set out in Annex 2 to the work programme, and in the Guide for Applicants. Please note that the completeness criterion also includes that part B of the proposal shall be readable, accessible and printable.
- The minimum number of participating legal entities required, for all funding schemes, is set out in the Rules for Participation. They are summarised in the table below⁶:

Funding scheme	Minimum conditions
Collaborative Project	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Collaborative project for specific international cooperation actions (SICA)	At least 4 independent legal entities. Of these, 2 must be established in different MS or AC. The other two must be established in different international cooperation partner countries.
Coordination and Support Action (coordinating action)	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Coordination and Support Action (supporting action)	At least 1 independent legal entity.

Only information provided in part A of the proposal will be used to determine whether the proposal is eligible with respect to budget thresholds and/or minimum number of eligible participants.

Additional eligibility criteria:

- Topic ENERGY.2013.2.9.2: Methods for the estimation of the Direct Normal Irradiation (DNI): The requested EU contribution per project shall not exceed EUR 3 Million
- Topic ENERGY.2013.5.1.1: Scale-up of advanced high-efficiency capture processes: The requested EU contribution per project shall not exceed EUR 8 Million

- **Evaluation procedure:**

⁶ MS = Member States of the EU; AC = Associated country. Where the minimum conditions for an indirect action are satisfied by a number of legal entities, which together form one legal entity, the latter may be the sole participant, provided that it is established in a Member State or Associated country.

- The evaluation criteria and scoring scheme are set out in annex 2 of the work programme.
- Proposal page limits: Applicants must ensure that proposals conform to the page limits and layout given in the Guide for Applicants, and in the proposal part B template available through the electronic Submission Services of the Commission.
- The Commission will instruct the experts to disregard any pages exceeding these limits.
- The minimum font size allowed is 11 points. The page size is A4, and all margins (top, bottom, left, right) should be at least 15 mm (not including any footers or headers).
- Proposals will not be evaluated anonymously.
- The evaluation for these topics shall follow a one stage procedure.

Evaluation criteria and thresholds:

Proposals are evaluated on the basis of the following three criteria: **1. S/T quality; 2. Implementation; 3. Impact.** For each criterion marks from 0 to 5 will be given, with the possibility of half-point scores. Successful proposals must pass the minimum thresholds as follows:

	Minimum threshold
S/T quality	3/5
Implementation	3/5
Impact	3/5
Overall threshold required	10/15

The procedure for prioritising proposals with equal scores:

Ranked lists of proposals will be established for each section of the indicative budget table above. At the Panel stage, in contrast to Annex 2, proposals with equal overall scores will be prioritised according to their scores for the 'impact' criterion. If they are still tied, they will be prioritised according to their scores for the 'Scientific and/or technological (S/T) excellence' criterion. If any proposals are still tied, then overall Work Programme coverage will be used to decide the priority order. Reserve lists per sub-area of the indicative budget table will be constituted if there are a sufficient number of good quality proposals. It will be used if extra budget becomes available.

The maximum number of projects that may be funded under a specific topic is restricted in the following topics:

- Topic ENERGY.2013.2.1.1: High efficiency c-Si photovoltaics modules: Up to one project may be funded
- Topic ENERGY.2013.2.3.1: Advanced aerodynamic modelling, design and testing for large rotor blades: Up to one project may be funded
- Topic ENERGY 2013.2.3.2: Small to medium size wind turbines: Up to one project may be funded
- Topic ENERGY.2013.2.4.1: Exploration and assessment of geothermal reservoirs: Up to one project may be funded
- Topic ENERGY.2013.2.6.1: Design tools, enabling technologies and underpinning research to facilitate ocean energy converter arrays: Up to one project may be funded
- Topic ENERGY.2013.2.7.1: Optimisation of Water Turbines: Up to one project may be funded
- Topic ENERGY.2013.2.9.1: Research cooperation and knowledge creation in the area of renewable energy with Mediterranean partner countries: Up to two projects may be funded
- Topic ENERGY.2013.2.9.2: Methods for the estimation of the Direct Normal Irradiation (DNI): Up to one project may be funded
- Topic ENERGY.2013.3.7.1: Developing regional and pan-European schemes for the sustainable delivery of non-food biomass feedstock in a pan-European integrated market: up to one project may be funded
- Topic ENERGY.2013.4.1.1: Research and development of innovative solar thermal facades: up to one project may be funded
- Topic ENERGY.2013.6.1.1: Combined Underground Coal Gasification and CO₂ Capture and Storage: up to one project may be funded
- Topic ENERGY.2013.7.2.4: Ensuring stakeholder support for future grid infrastructures: up to one project may be funded

- **Indicative evaluation timetable:**

- Evaluation: December 2012 / January 2013
- Evaluation results: estimated to be available within two months after the closure date.

- **Consortia agreements:**

Participants in Collaborative Projects are required to conclude a consortium agreement; participants in Coordination and Support Actions are encouraged, but not required, to conclude a consortium agreement.

- **Forms of grants and maximum reimbursement rates:**

Further information on the offered grants and reimbursement rates are specified in Annex 3 to the Cooperation work programme.

- **Flat rates to cover subsistence costs:**

In accordance with Annex 3 of this work programme, this call provides for the possibility to use flat rates to cover subsistence costs incurred by beneficiaries during travel carried out within grants for indirect actions. For further information, see the relevant Guides for Applicants for this call. The applicable flat rates are available on the Participant Portal at: http://ec.europa.eu/research/participants/portal/page/fp7_documents under 'Guidance documents for FP7/Financial issues/Flat rates for daily allowances'.

- **Dissemination:**

Grant agreements of projects financed under this call for proposals will include the special clause 39 on the "Open Access Pilot in FP7". Under this clause, beneficiaries are required to make their best efforts to ensure free access to peer-reviewed articles resulting from projects via an institutional or subject-based repository, and to make their best efforts to ensure open access to these articles within six months⁷.

⁷ Further information: http://cordis.europa.eu/fp7/find-doc_en.html, http://ec.europa.eu/research/science-society/open_access, http://ec.europa.eu/research/science-society/scientific_information/.