

Call title: FCH JU Call for Proposals 2009 Part 1

Call identifier: FCH-JU-2009-1

Date of publication: 2 July 2009

Indicative deadline: 15 October 2009 at 17.00 (Brussels local time)

Indicative budget ¹: EUR 71.3 million from the FCH JU 2009 budget

The final budget awarded to this call, following the evaluation of projects, may vary by up to 10% of the total value of the call.

All budgetary figures given in this call are indicative. The repartition of the sub-budgets awarded within this call, following the evaluation of proposals, may vary by up to 10% of the total value of the call.

Topics called:

Area/ Topics called	Funding Schemes	Indicative FCH JU Funding Million €
Area SP1-JTI-FCH.1: Transportation & Refuelling Infrastructure		26.4
SP1-JTI-FCH.2009.1.1 Large-scale demonstration of road vehicles and refuelling infrastructure II	Collaborative Project	
SP1-JTI-FCH.2009.1.2 Development of electric driven turbocharger for fuel cell	Collaborative Project	
SP1-JTI-FCH.2009.1.3 Development and optimisation of PEM FC electrodes and GDLs	Collaborative Project	
SP1-JTI-FCH.2009.1.4 Cryogenic hydrogen storage	Collaborative Project	
SP1-JTI-FCH.2009.1.5 Pre-normative Research (PNR) on composite storage	Collaborative Project	
SP1-JTI-FCH.2009.1.6 Pre-normative Research (PNR) on fuel quality	Collaborative Project	
Area SP1-JTI-FCH.2: Hydrogen Production & Distribution		5.7
SP1-JTI-FCH.2009.2.1 Development of fuel processing catalyst, modules & systems	Collaborative Project	
SP1-JTI-FCH.2009.2.2 Development of gas purification technologies for hydrogen production	Collaborative Project	

¹ A reserve list will be constituted if there is a sufficient number of a good quality proposal.

Area/ Topics called	Funding Schemes	Indicative FCH JU Funding Million €
SP1-JTI-FCH.2009.2.3 New generation of high temperature electrolyser	Collaborative Project	
SP1-JTI-FCH.2009.2.4 Improved solid state hydrogen storage systems	Collaborative Project	
Area SP1-JTI-FCH.3: Stationary Power Generation & CHP		25.9
SP1-JTI-FCH.2009.3.1 Fundamentals of fuel cell degradation for stationary power application	Collaborative Project	
SP1-JTI-FCH.2009.3.2 Materials development for cells, stacks and balance of plant (BoP)	Collaborative Project	
SP1-JTI-FCH.2009.3.3 Operation diagnostics and control for stationary applications	Collaborative Project	
SP1-JTI-FCH.2009.3.4 Component improvement for stationary power applications	Collaborative Project	
SP1-JTI-FCH.2009.3.5 Proof-of- concept fuel cell systems	Collaborative Project	
SP1-JTI-FCH.2009.3.6 Validation of integrated fuel cell systems readiness	Collaborative Project	
SP1-JTI-FCH.2009.3.7 Market capacity Build and Field demonstration of stationary fuel cell systems	Collaborative Project	
SP1-JTI-FCH.2009.3.8 Application specific targets for stationary power generation and related technology benchmark	Coordination and Support Actions (Supporting Action)	
Area SP1-JTI-FCH.4: Early Markets		10.3
SP1-JTI-FCH.2009.4.1 Demonstration of fuel cell-powered materials handling vehicles and infrastructure	Collaborative Project	
SP1-JTI-FCH.2009.4.2 Portable generators, backup and UPS power systems	Collaborative Project	
SP1-JTI-FCH.2009.4.3 Demonstration of portable and micro fuel cells for various applications	Collaborative Project	
SP1-JTI-FCH.2009.4.4 Miniaturised balance of plant components	Collaborative Project	
SP1-JTI-FCH.2009.4.5 PNR & RCS on the indoor use of fuel cells	Collaborative Project	

Area/ Topics called	Funding Schemes	Indicative FCH JU Funding Million €
SP1-JTI-FCH.2009.4.6 SME promotion: Early demand stimulation schemes	Coordination and Support Actions (Supporting Action)	
Area SP1-JTI-FCH.5: Cross-cutting Issues		3.0
SP1-JTI-FCH.2009.5.1 Development of educational programmes	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2009.5.2 Training initiatives for regulators	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2009.5.3 SME promotion: Outreach program	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2009.5.4 Development of a framework for Technology Monitoring and Assessments (TMA)	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2009.5.5 Development of a framework for Life Cycle Assessment (LCA)	Coordination and Support Actions (Supporting Action)	
Total indicative FCH JU Funding		71.3

Calls for Proposals will be selective. There will be competition, based on quality and excellence, between proposals primarily, but not exclusively, within activity areas, which may result in some topics not being supported in a given call.

Submission and Evaluation procedure:

Applications to the FCH JU for financial support to participate in research activities are made following competitive calls for proposals. The evaluation, selection and award procedures of the FCH JU are described in the document "FCH JU - Rules for submission of proposals, and the related evaluation, selection and award procedures".

- The evaluation shall follow a single stage procedure.
- The evaluation criteria (including weights and thresholds) and sub-criteria, together with the eligibility, selection and award criteria, for the different funding schemes are set out in Annex 8.1.1 to this work programme.
- Proposals will not be evaluated anonymously.
- Ranked lists of proposals will be established for each area. At the Panel stage, proposals from different topics with equal overall scores will be prioritised according to the overall FCH JU Annual Implementation Plan coverage. Proposals from the same topic with equal overall scores will be prioritised according to their scores for the S/T Quality criterion. If they are still tied, they will be prioritised according to their scores for the Impact criterion, and then by their scores for the Implementation criterion. If they continue to be tied, other characteristics agreed by the Panel member should be taken into account. A reserve list will be constituted if there are a sufficient number of good quality proposals. It will be used if extra budget becomes available.

Indicative evaluation and contractual timetable:

Evaluation of proposals is expected to be carried out in November 2009.

Evaluation results are estimated to be available within 2 months after the closure date. A reserve list of projects might be established.

It is expected that the Grant Agreement negotiations for the short-listed proposals to be open by February/March 2010.

Consortium agreements:

Participants in the projects are required to conclude a consortium agreement.

Particular requirements for participation, evaluation and implementation:

Participation in projects shall be open to legal entities and international organisations once the minimum conditions have been satisfied.

The **minimum conditions** to be fulfilled for projects funded by the FCH Joint Undertaking shall be the following:

- (a) at least three legal entities must participate, each of which must be established in a Member State or Associated country, and no two of which may be established in the same Member State or Associated country;
- (b) all three legal entities must be independent of each other as defined in Article 6 of the Rules of Participation of the Seventh Framework Programme;
- (c) at least one legal entity must be a member of the Industry Grouping or the Research Grouping.

The legal entities wishing to participate in a project shall form a consortium and appoint one of their members to act as its coordinator.

In general, the coordinator should come from the Industry Grouping or from the Research Grouping if such Research Grouping becomes a member of the FCH JU.

The **minimum condition** for service and supply contracts, **Support Actions**, studies and training activities funded by the FCH Joint Undertaking shall be the participation of one legal entity.

The proposals will be 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

FCH-JU Grant Agreements will be jointly funded through:

- A financial contribution from the EC up to a maximum of EUR 71.3 million.
- In-kind contributions from the legal entities participating in the activities. The industry contribution shall at least match the financial contribution of the Community.

Forms of grant and reimbursement conditions for projects funded through the FCH JU are indicated in the point 4.5 of the 2009 AIP, and explained in the Guide for Applicants.