

Call title: FCH JU Call for Proposals 2013 Part 1

Call identifier: FCH-JU-2013-1

Publication date: 15 January 2013

Indicative deadline: 22 May 2013 at 17.00.00 (Brussels local time)

Indicative budget¹: EUR 68.5 million from the FCH JU 2013 budget².

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		23.0
SP1-JTI-FCH.2013.1.1 Large-scale demonstration of road vehicles and refuelling infrastructure VI	Collaborative Project	
SP1-JTI-FCH.2013.1.2 Research & Development on Bipolar Plates for PEM fuel cells	Collaborative Project	
SP1-JTI-FCH.2013.1.3 Research & Development of periphery components for hydrogen refuelling stations	Collaborative Project	
SP1-JTI-FCH.2013.1.4 Field demonstration of auxiliary power units for transport applications	Collaborative Project	
SP1-JTI-FCH.2013.1.5 Fuel Quality Assurance for Hydrogen Refuelling Stations	Collaborative Project	
Area SP1-JTI-FCH.2: Hydrogen Production & Distribution		7.5
SP1-JTI-FCH.2013.2.1 Development of improved road H2 distribution	Collaborative Project	
SP1-JTI-FCH.2013.2.2 Diagnosis and monitoring of electrolyser performance	Collaborative Project	
SP1-JTI-FCH.2013.2.3 Large capacity PEM electrolyser stack design	Collaborative Project	

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

² The funding includes the FCH JU's own budget only.

Area/ Topics called	Funding Schemes	Indicative FCH JU Funding Million €
SP1-JTI-FCH.2013.2.4 New generation of high temperature electrolyser	Collaborative Project	
SP1-JTI-FCH.2013.2.5 Validation of photo-electrochemical hydrogen production processes	Collaborative Project	
Area SP1-JTI-FCH.3: Stationary Power Generation & CHP		24.0
SP1-JTI-FCH.2013.3.1 Improving understanding of cell & stack degradation mechanisms using advanced testing techniques, and developments to achieve cost reduction and lifetime enhancements for Stationary Fuel Cell power and CHP systems	Collaborative Project	
SP1-JTI-FCH.2013.3.2 Improved cell and stack design and manufacturability for application-specific requirements for Stationary Fuel Cell power and CHP systems.	Collaborative Project	
SP1-JTI-FCH.2013.3.3 Stationary Power and CHP Fuel Cell System Improvement Using Improved Balance of Plant Components/Sub-Systems and/or Advanced Controls and Diagnostics Systems	Collaborative Project	
SP1-JTI-FCH.2013.3.4 Proof of concept and validation of whole fuel cell systems for stationary power and CHP applications at a representative scale	Collaborative Project	
SP1-JTI-FCH.2013.3.5 Field demonstration of large scale stationary power and CHP fuel cell systems	Collaborative Project	
SP1-JTI-FCH.2013.3.6 Field demonstration of small scale stationary power and CHP fuel cell systems	Collaborative Project	
SP1-JTI-FCH.2013.3.7 Development of fuel cell serial production techniques and equipment for Stationary Fuel Cell Power and CHP Systems	Collaborative Project	
Area SP1-JTI-FCH.4: Early Markets		9.0
SP1-JTI-FCH.2013.4.1 Demonstration of fuel cell-powered Material Handling Vehicles (MHV) including infrastructure	Collaborative Project	
SP1-JTI-FCH.2013.4.2 Demonstration of portable generators, Back-Up Power and Uninterruptible Power Systems	Collaborative Project	
SP1-JTI-FCH.2013.4.3 Development of portable fuel cell systems for early market applications	Collaborative Project	

Area/ Topics called	Funding Schemes	Indicative FCH JU Funding Million €
SP1-JTI-FCH.2013.4.4 Development of 1-30 KW fuel cell systems and hydrogen supply for early market applications	Collaborative Project	
Area SP1-JTI-FCH.5: Cross-cutting Issues		5.0
SP1-JTI-FCH.2013.5.1 European Curriculum on H2&FC technologies: Implementation of Educational and Study Material	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2013.5.2 Training on H2&FC technologies for Operation & Maintenance	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2013.5.4 Social acceptance of FCH technologies throughout Europe	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2013.5.4 Development of industry wide uniform performance test schemes for SOFC/SOEC cells & stacks	Collaborative Project	
SP1-JTI-FCH.2013.5.5 Development of a European framework for the generation of guarantees of origin for green H2	Coordination and Support Actions (Supporting Action)	
SP1-JTI-FCH.2013.5.6 Pre-normative research on resistance to mechanical impact of pressure vessels in composite materials	Collaborative Project	
Total indicative FCH JU Funding		68.5

Call 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.

Council Regulation 521/2008 set up the FCH JU as a body responsible for implementing the 7th Framework Programme for Research and Development for a period up to 31 December 2017. Accordingly the projects funded as a result of this call for proposals should end by 30 June 2017. For topics 1.1, 3.5 and 3.6, it may, in exceptional cases, be accepted that a project lasts beyond that date. Applicants who are convinced that the success of a project in one of these topics will depend on a longer duration shall clearly explain the reasons in their proposals.

In this case, in accordance with the statutes of the FCH JU an ad hoc procedure will be set up to ensure appropriate management of the concerned Grant Agreements after the termination of the FCH JU. The Programme Office will work with the Commission services and the concerned projects coordinators to ensure a sound and smooth transfer of these grants agreements, the associated commitments and payments, the project files, the IT tools access and the audits rights.