

FCH JU evaluation results / opening of negotiations
For approval by the Governing Board

Call for Proposals FCH-JU-2009-1
Deadline 15 October 2009

The second Call for Proposals (FCH-JU-2009-1) of the Fuel Cell and Hydrogen Joint Undertaking (FCH JU) was published in the Official Journal of the European Communities on 2 July 2009¹ and closed on 15 October 2009.

The indicative budget for the Call is 71.3 M€ (increased by the EFTA contributions amount to 72.970.240 €).

According to Article 16 of the FCH JU Regulation² the Commission shall be responsible for the establishment and initial operation of the FCH JU. Therefore, the second Call for proposals was managed by Commission officials and the infrastructure used for submission of proposals was the one of the Commission.

50 proposals were received by the Commission. All proposals were checked for eligibility before evaluation process. Pending for decision on this aspect, the 50 proposals were evaluated following the procedure foreseen in the FCH JU Rules for submission of proposals and the related evaluation, selection and award procedures. One proposal was declared ineligible at the end of evaluation process (256842, TRIGEN) due to the fact that none of the applicants/participants were members of any IG/RG at the call closure date.

The FCH-JU's provisional ranked lists of proposals considered for funding and reserve lists are presented in Annex 1 and Annex 2 respectively. In Annex 3, the FCH-JU provisional rejection lists are presented. Annex 4 is presenting the list of ineligible proposals.

Following the evaluation, the Commission finalised the evaluation results by taking into account the available budget and the matching principles, in particular by reviewing the financial information for all 31 proposals above the thresholds. This has implied an intermediary step in which the applicants were requested to clarify all financial figures provided in the proposals. These clarifications resulted in increases of actual declared indirect costs and therefore of the total costs in most of the projects.

During this clarification step, one proposal was withdrawn (256860, CARMEN), for the reason that it was presented as a resubmission of the proposal 245339 - LOLIPEM which has in the mean time been successfully negotiated and a contract has been signed in December 2009, from the reserve list of the first call. The proposal CARMEN is therefore included in the rejection list (Annex 3).

¹ OJ C150 of 02/07/2009

² Council Regulation (EC) No 521/2008 of 30 May 2008 setting up the Fuel Cells and Hydrogen Joint Undertaking

Based on the evaluation results, and taking into consideration the available budget, in particular to comply with the matching principles referred to in Art.12(3) of the FCH JU Statutes (the industry shall at least match the Community's contribution) a maximum financial contribution from the FCH JU is recommended for each of these proposals.

At this stage, simulations show that the situation is rather unbalanced with regard to matching for the whole portfolio of 30 projects which passed the thresholds in the second call for proposals. Moreover, a mismatch of 5.776.491 Euro (4.154.491 Euro as difference between FCH funding and industry in-kind contribution + receipts from public sources to the industry participants in the projects of 1.622.000 Euro) was carried over from the first call and should be corrected in this call.

Therefore, in order to rebalance the matching for this call and for the whole programme, it is proposed to reduce proportionally the maximum funding rates by a correction factor of 0.6677. This results in the following funding rates:

- For the Collaborative Projects (CP) - RTD activities, the proposed upper funding limits are therefore approximately 33% of direct eligible costs for large industrial participants and 50% of direct eligible costs for SMEs, non-profit public bodies, universities, higher education establishments and non-profit research organisations.
- For the Collaborative Projects (CP) - Demonstration activities, the proposed upper funding limits are therefore approximately 33% of direct eligible costs for all type of participants.
- For Collaborative Projects (CP) – Other activities, the proposed upper funding limits are therefore approximately 67% of direct eligible costs for all type of participants.

For the Coordination and Support Actions (CSA) no decrease has been applied and the upper funding limit is 100% of direct eligible costs, for all types of participants. This option is in line with the orientation given by the Governing Board in the meeting of 15 May 2009 to increase the funding limits for the CSA from 50% (in the call 2008) to 100% (in the call 2009) following the non-response to the CSA topics in the 2008 call. Moreover, based on the experience of 2008 call, decreases in funding rate for the CSA may cause the CSA proposals under call 2009 to withdraw and discourage future participation in the topics supported by the CSA funding scheme.

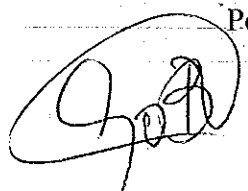
After decreases have been applied, 26 proposals above thresholds and within the coverage of Annual Implementation Plan 2009, could be supported within the 2009 budget appropriations (72.970.240 €) for an amount of 71.930.239 €. The 4 remaining proposals above thresholds are in the reserve lists.

The remaining budget is not sufficient to support any of the proposals from the reserve lists. If any additional budget will become available as a result of the negotiation phase, the first proposal to be taken out of the reserve lists will be 256798 – PEMICAN (presently on the reserve list of "Transportation and Refuelling Infrastructure" Area) – see arguments below.

Proposals are ranked in priority order according to the evaluation results. The final list of proposals for possible funding from those that passed the evaluation thresholds has been defined on the basis of the results of the evaluation by experts, for each Application Area.

However, based on these lists and budget availability for each of the Application Areas, it is proposed to support the proposal ranked as 2nd under the Area "Transportation and Refuelling Infrastructure" (namely proposal 256773 – HyQ) and to leave the last proposal (ranked as 15th) under the Area "Stationary Power Generation & CHP" (256713 – POC-4-APEM) in the reserve list. Moreover, if additional budget will become available during negotiations phase, the proposal ranked as 3rd under the Area "Transportation and Refuelling Infrastructure" (namely 256798 – PEMICAN) should be invited to negotiate from the reserve lists, due to the following reasons:

- Annual Implementation Plan 2009 coverage: the topic 3.5 addressed by the proposal POC-4-APEM is already covered by two other better ranked proposals in the list for Area "Stationary Power Generation & CHP" (proposals 256764 – Asterix3 and 256694 – LOTUS). However, the



topic 1.6 (addressed by proposal HyQ) and topic 1.3 (addressed by proposal PEMICAN) will not be addressed by other proposals.

- Overall score of proposals: both proposals (HyQ and PEMICAN) in the Area "Transport and Refuelling Infrastructure" have an overall score of 12, much better than the overall score of 10 for proposal POC-4-APEM.

The **matching situation** before starting negotiations with the proposals from the second call, including data from signed contracts in the first call and proposals submitted in the second call is as following:

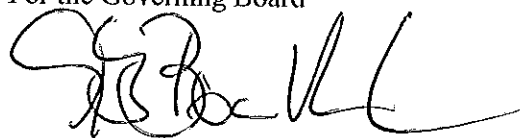
Total costs €	FCH JU recommended funding €	in-kind contribution industry (considered for matching) €	Other contributions / public funds €	Matching (difference in matching from the industry) €	
				Other contributions (public funds) <u>not</u> included	Other contributions (public funds) included
call 2008 (16 contracts)					
61.768.807	27.221.604	23.067.113	1.622.000	- 4.154.491	- 5.776.491
call 2009 (26 proposals to negotiate)					
176.829.803	71.930.239	79.739.367	6.646.368	14.455.496	7.809.128
TOTAL	238.598.610	99.151.843	102.806.480	8.268.368	10.301.005
					2.032.637

The FCH JU Governing Board is hereby requested, in order to open the negotiations, to approve the enclosed lists of proposals intended to be selected for funding in the Annex 1, including the suggested correction factor and the resulting financial contribution from the FCH JU for each proposal.

The approval of the FCH JU Governing Board is also requested for the proposals in the reserve list (Annex 2), which will allow for eventualities such as the failure of negotiations on projects or the withdrawal of proposals in the Areas "Transportation & Refuelling Infrastructure" or "Stationary Power Generation & CHP". The same decrease in upper funding limits for the direct costs has been applied, as for the proposals in the ranked lists.

Finally, an approval by the FCH JU Governing Board is requested for the proposals in the rejection lists (Annex 3), which have failed one or more of the thresholds for evaluation criteria and/or have been already financed in the previous call(s), and the ineligible proposal (Annex 4), where none of the applicants were members of any FCH JU Industry Grouping or Research Grouping at the call closure date.

Adopted by the FCH JU Governing Board on 16 April 2010
For the Governing Board



Gijs van Breda Vriesman
Chairman

Annexes :

- Annex 1: FCH JU provisional ranked list(s)
- Annex 2: FCH JU provisional reserve list(s)
- Annex 3: FCH JU provisional rejection list(s)
- Annex 4: FCH JU list of ineligible proposals

Area: Transportation & Refuelling Infrastructure

Area: Transportation & Retelling Infrastructure														
Coordinator				Proposal				Financial details						
FCH JU Rank	Final score	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCH JU contribution €			
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended	Estimated matching
1	12	EVOBUS GMBH	DE	256848	CP	81	CHIC	Clean Hydrogen in European Cities	69.581.502	82.299.384	28.042.168	28.042.168	28.042.168	48.243.326
								Hydrogen fuel Quality requirements for transportation and other energy applications						
2	12	COMMISSARIAT A L' ENERGIE ATOMIQUE	FR	256773	CP	36	HyQ		3.877.958	3.879.076	1.799.623	1.799.224	1.619.251	666.846
								Sub-total	73.459.460	86.178.460	29.841.791	29.841.392	29.661.419	48.910.172

Area: Hydrogen Production & Distribution

Area: Hydrogen Production & Distribution														
Coordinator				Proposal				Financial details						
FCH JU Rank	Final score	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCHJU contribution €			
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended	Estimated matching
1	11,5	UNIVERSITA DEGLI STUDI DI TORINO	IT	256653	CP	42	SSH2S	Fuel Cell Coupled Solid State Hydrogen Storage Tank	3.218.153	3.215.753	2.115.514	2.060.782	1.613.878	438.217
2	11	HTceramin SA	CH	256755	CP	36	ADEL	Advanced Electrolyser for Hydrogen Production with Renewable Energy Sources	4.171.702	4.212.334	2.647.923	2.647.923	2.043.899	790.968
Sub-total									7.389.855	7.428.087	4.763.437	4.708.705	3.657.777	1.229.184

Area: Stationary Power Generation & CHP

FCH JU Rank	Final score	Coordinator		Proposal					Financial details					
		Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCH JU contribution €			
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended	Estimated matching
1	13	NEDSTACK FUEL CELL TECHNOLOGY BV	NL	256721	CP	36	STAYERS	STAYERS Stationary PEM fuel cells with lifetimes beyond five years	4.146.284	4.146.284	2.582.349	2.582.349	1.941.414	1.661.355
2	13	FORSCHUNGSZENTR UM JUELICH GMBH	DE	256810	SA	24	FC-EuroGrid	Evaluating the Performance of Fuel Cells in European Energy Supply Grids	1.041.800	987.372	588.982	588.982	588.982	136.199
3	13	Dantherm Power A/S	DK	256764	CP	24	Asterix3	Assessment of SOFC CHP systems build on the TEchnology of htecRamIX 3	2.942.861	2.910.123	1.840.236	1.840.236	1.365.807	1.249.069
4	13	UNIVERSITA DEGLI STUDI DI SALERNO	IT	256673	CP	36	D-CODE	DC/DC Converter- based Diagnostics for PEM systems	2.703.309	2.279.520	1.582.830	1.582.830	1.173.818	634.115
5	12.5	COMMISSARIAT A L' ENERGIE ATOMIQUE	FR	256776	CP	36	PREMIUM ACT	Predictive Modelling for Innovative Unit Management and Accelerated Testing Procedures of PEFC	5.221.099	5.221.089	3.139.640	3.139.640	2.513.273	836.329
6	12.5	DANMARKS TEKNISKE UNIVERSITET	DK	256730	CP	36	SCOTAS- SOFC	Sulphur, Carbon, and re-Oxidation Tolerant Anodes and Anode Supports for Solid Oxide Fuel Cells	3.021.969	3.397.419	2.315.728	2.292.228	1.701.771	770.808
7	12	Diverse Energy Ltd	UK	256856	CP	36	NH34PWR	Ammonia based, fuel cell power for off-grid cell phone towers	8.453.339	8.453.339	3.055.415	3.055.415	3.055.415	6.078.790

8	12	HyGear Fuel Cell Systems B.V.	NL	256694	CP	36	LOTUS	Low Temperature Solid Oxide Fuel Cells for micro-CHP applications	3,570.875	3,582.304	2,191.226	2,191.226	1,632.601	1,513.674
9	11.5	VALTION TEKNIILLINEN TUTKIMUSKESKUS	FI	256627	CP	36	CATION	Cathode Subsystem Development and Optimisation	7,175.438	7,223.638	3,467.710	3,467.710	2,625.834	4,004.518
10	11.5	COMMISSARIAT A L'ENERGIE ATOMIQUE	FR	256768	CP	36	RAMSES	Robust Advanced Materials for metal Supported SOFC	4,686.077	4,686.077	2,654.893	2,654.893	2,143.902	1,084.822
11	11.5	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	FR	256647	CP	36	MAESTRO	Membranes for Stationary application with Robust mechanical properties	2,494.335	2,181.688	1,334.029	1,334.029	1,040.049	841.322
12	11	FORSCHUNGSZENTRUM JUELICH GMBH	DE	256885	CP	36	SOFC-Life	Solid Oxide Fuel Cells - Integrating Degradation Effects into Lifetime Prediction Models	5,298.240	5,319.440	2,938.746	2,938.746	2,418.625	984.956
13	10.5	COMMISSARIAT A L'ENERGIE ATOMIQUE	FR	256693	CP	36	DESIGN	DEGRADATION SIGNATURES IDENTIFICATION FOR STACK OPERATION DIAGNOSTICS	3,345.192	3,307.251	2,377.243	2,377.243	1,745.752	409.076
Sub-total									54,100.818	53,695.544	30,069.027	30,045.527	23,947.242	20,205.011

Area: Early Markets

Area: Early Markets														
FCH JU Rank	Final score	Coordinator		Proposal			Financial details							
		Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCH JU contribution €			
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended	Estimated matching
1	13	Ludwig-Boelkow-Systemtechnik GmbH	DE	256862	CP	36	HyLIFT-DEMO	European demonstration of hydrogen powered fuel cell forklifts	6.401.523	7.091.585	3.199.792	3.199.792	2.881.254	2.763.905

2	11.5	Centre for Process Innovation Limited	UK	256837	CP	36	SHEL	Sustainable Hydrogen Evaluation in Logistics	5.097.599	5.641.150	2.991.088	2.991.088	2.500.970	548.539
3	10	Nuevas Tecnologías para la Distribución Activa de Energía S.L.	ES	256766	CP	36	FITUP	Fuel cell field test demonstration of economic and environmental viability for portable generators, backup and UPS power system applications	5.831.463	5.831.463	2.645.028	2.645.028	2.645.028	2.519.574
4	10	INSTITUT PIERRE VERNIER	FR	256834	CP	36	MobyPost	Mobility with Hydrogen for Postal Delivery	8.226.354	8.226.354	5.455.760	5.455.760	4.262.112	3.397.998
Sub-total									25.556.939	26.790.552	14.291.668	14.291.668	12.289.364	9.230.017

Area: Cross-cutting Issues

FCH JU Rank	Final score	Coordinator		Proposal				Financial details						
		Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCH JU contribution €			
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended	Estimated matching
1	13	Fundación para el desarrollo de Nuevas tecnologías del hidrógeno en Aragón	ES	256758	SA	24	HYPROFESS IONALS	Development of educational programmes and training initiatives related to hydrogen technologies and fuel cells in Europe.	374.607	402.865	374.607	374.607	374.607	4.108
2	12,5	PE INTERNATIONAL GMBH	DE	256328	SA	12	HyGuide	HyGuide	374.359	476.177	374.359	374.359	374.358	73.137
3	11,5	TÜV SÜD Akademie GmbH	DE	256823	SA	30	HvFacts	Identification, Preparation and Dissemination of Hydrogen Safety Facts to Regulators and Public Safety Officials	1.044.409	1.049.728	1.044.409	1.044.409	1.044.409	2.869

4	10.5	ENTE PER LE NUOVE TECNOLOGIE, L'ENERGIA E L'AMBIENTE	IT	256850	SA	12	H2FC-LCA		Development of Guidance Manual for LCA application to Fuel cells and Hydrogen technologies	400.016	400.016	311.958	311.958	311.957	21.689
5	10	FORSCHUNGSZENTR UM JUELICH GMBH	DE	256703	SA	24	TrainHy-Prof		Building Training Programmes for Young Professionals in the Hydrogen and Fuel Cell Field	269.105	269.105	269.105	269.105	269.105	63.180
Sub-total										2.462.496	2.737.161	2.374.438	2.374.438	2.374.436	164.983

TOTAL call (26 proposals)

162.969.568	176.829.803	81.340.361	81.261.730	71.930.239	79.739.367
A =					7.809.128

Annex 2: FCH JU provisional RESERVE lists

Area: Transportation & Refuelling Infrastructure

FCH JU Ranking Infrastructure														
Coordinator		Proposal					Financial details							
FCH JU Rank	Final score	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCH JU contribution €			
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended	Estimated matching
1	12	COMMISSARIAT A L' ENERGIE ATOMIQUE	FR	256798	CP	36	PEMICAN	PEM with Innovative low cost Core for Automotive application	4.090.021	3.938.841	2.554.066	2.554.066	1.891.339	822.856
2	11.5	L'AIR LIQUIDE S.A A DIRECTOIRE ET CONSEIL DE SURVEILLANCE	FR	256671	CP	36	HyCOMP	Enhanced Design Requirements and Testing Procedures for Composite Cylinders intended for the Safe Storage of Hydrogen	3.822.578	3.638.343	1.846.427	1.827.327	1.380.753	1.410.704
3	10.5	LIEBHERR AEROSPACE TOULOUSE SAS	FR	256841	CP	36	ETURBO	Electrical driven TURBOcharger for fuel cell systems	6.941.896	6.941.896	4.118.415	4.118.415	2.937.262	3.485.116
Sub-total									14.854.495	14.519.080	8.518.908	8.499.808	6.209.354	5.718.676

Area: Hydrogen Production & Distribution

N/A

Area: Stationary Power Generation & CHP

Coordinator										Proposal				Financial details				
FCH JU Rank	Final score	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Estimated total cost €		FCH JU contribution €			Estimated matching				
									in the proposal	after clarifications	Requested in the proposal	Requested after clarifications	Recommended					
1	10	EWE- Forschungszentrum m für Energietechnologie e. V.	DE	256713	CP	36	POC-4- APEM	Proof-of-Concept fuel cell system for an alkaline anion exchange membrane based PEMFC	3.306.092	3.306.092	2.512.815	2.512.815	1.863.262	895.363				
Sub-total									3.306.092	3.306.092	2.512.815	2.512.815	1.863.262	895.363				

Adopted by the FCH JU Governing Board on 16 April 2010

Area: Early Markets

N/A

Area: Cross-cutting Issues

N/A

A handwritten signature in black ink, consisting of a large, stylized 'C' followed by a series of loops and a horizontal line at the end.

Annex 3: FCH JU provisional REJECTION lists

Area: Transportation & Refuelling Infrastructure

Coordinator		Proposal					Financial details		Justification		
		Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title		Total cost €	Requested FCH JU contribution €
Final score											
9.5		CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS	EL	256836	CP	36	EUROCAT	NOVEL HYPO-d-OXIDE INTERACTIVE SUPPORTED NANO-STRUCTURED BRONZE TYPE CATALYSTS FOR HYDROGEN AND OXYGEN ELECTRODE REACTIONS IN PEMFC, WATER ELECTROLYSIS AND THEIR IDEAL ALTERPOLAR REVERTIBLE SYSTEMS	3.681.720	2.963.090	Proposal fails evaluation threshold(s)
9		IRD FUEL CELLS A/S (INDUSTRIAL RESEARCH & DEVELOPMENT A/S)	DK	256817	CP	36	IMMEDIATE	Innovative autoMotive MEa Development – implementation of Iphe-genie Achievements Targeted at Excellence	4.245.538	2.567.032	Proposal fails evaluation threshold(s)

Area: Hydrogen Production & Distribution

Final score	Coordinator		Proposal					Financial details		Justification
	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Total cost €	Requested FCH JU contribution €	
10.5	DEUTSCHES ZENTRUM FUER LUFT - UND RAUMFAHRT EV	DE	256785	CP	36	NEMESIS2	New Method for Superior Integrated Hydrogen Generation System 2	3.703.148	2.029.810	Proposal fails evaluation threshold(s)
10	GKSS - FORSCHUNGSZENTRUM GEESTHACHT GMBH	DE	256635	CP	36	HYBOX2GO	An Integrated Hydrogen Generation and Solid State Storage System	2.809.355	1.671.612	Proposal fails evaluation threshold(s)
10	FOUNDATION FOR RESEARCH AND TECHNOLOGY HELLAS	EL	256845	CP	24	HY2SEPS2	Hybrid Hydrogen Purification Systems	2.028.123	1.303.785	Proposal fails evaluation threshold(s)
9.5	EIDGENOESSISCHE MATERIALPRUEFUNG-UND FORSCHUNGSANSTALT	CH	256674	CP	36	Liquor	Advanced fluid-based hydrogen storage systems	2.518.200	1.917.045	Proposal fails evaluation threshold(s)

9	NATIONAL CENTER FOR SCIENTIFIC RESEARCH "DEMOKRITOS"	EL	256743	CP	36	HYSTIBS	NOVEL NANOSTRUCTURED METAL DIBORIDES FOR HYDROGEN STORAGE	2.424.459	1.835.859	Proposal fails evaluation threshold(s)
---	--	----	--------	----	----	---------	---	-----------	-----------	--

Area: Stationary Power Generation & CHP

Final score											
Coordinator		Proposal						Financial details		Justification	
Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Total cost €	Requested FCH JU contribution n €			
11.5	CONSIGLIO NAZIONALE DELLE RICERCHE	IT	256860	CP	36	CARMEN	Cross-linked Aromatic Membranes and Electrodes for Enhanced PEMFCH &CHP Systems	3.350.116	2.354.930	Proposal already funded in call 2008 as LOLIPEM	
9.5	VOLVO TECHNOLOGY AB	SE	256723	CP	36	PERFORM	Optimizing Lifetime Performance of High Temperature-PEMFC	2.790.877	1.659.325	Proposal fails evaluation threshold(s)	
9	STICHTING ENERGIEONDERZOEK CENTRUM NEDERLAND	NL	256864	CP	36	KeepItRunning	Development of sensors and control to keep a PEM Fuel Cell system running	3.823.827	2.545.246	Proposal fails evaluation threshold(s)	
5.5	Infraserv GmbH & Co. Hoechst KG	DE	256709	CP	36	ZEM House	Zero Emission House based on Solar Energy and Hydrogen	3.712.205	2.338.812	Proposal fails evaluation threshold(s)	
5	TECHNISCHE UNIVERSITEIT DELFT	NL	256831	CP	36	HotBioCell	Biogas gasification and high temperature gas cleaning system with high temperature fuel cells	5.287.282	2.820.322	Proposal fails evaluation threshold(s)	
3	CIDEITE INGENIEROS S.L.	ES	255658	CP	36	DNHP SoFe	Development of Nanoengineered High Performance SOFC	2.038.000	1.620.500	Proposal fails evaluation threshold(s)	

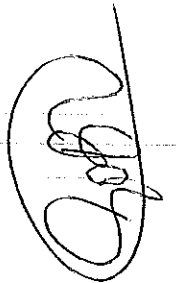
Area: Early Markets

Area: Early Markets											
Final score	Coordinator		Proposal					Financial details		Justification	
	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Total cost €	Requested FCH JU contribution n €		
8.5	L'AIR LIQUIDE S.A.A DIRECTOIRE ET CONSEIL DE SURVEILLANCE	FR	256652	CP	36	HyIndoor	Pre-normative research on safe indoor use of fuel cells and hydrogen systems	3.114.100	1.567.200	Proposal fails evaluation threshold(s)	

8.5	ADELANT LTD	UK	256771	CP	36	3d-SOFC	Definition, Development and Delivery of Early Market Solid Oxide Fuel Cell Systems (3d-SOFC)	3.370.287	1.978.725	Proposal fails evaluation threshold(s)
6	Air Liquide Hydrogen Energy	FR	256801	CP	60	FCLift	Demonstration of substitution of battery electric forklifts by hydrogen fuel cell forklifts in a logistics warehouse.	6.254.900	3.509.400	Proposal fails evaluation threshold(s)

Area: Cross-cutting Issues

Final score	Coordinator	Organisation	Nationality	Number	Funding scheme	Duration (months)	Acronym	Title	Financial details		Justification
									Total cost €	Requested FCH JU contribution €	
9.5	NUEVAS TECNOLOGIAS PARA LA DISTRIBUCION ACTIVA DE ENERGIA S.L.	ES	256770	CSA-SA	18	TEMONAS		Technology Monitoring and Assessment	1.679.231	1.679.431	Proposal fails evaluation threshold(s)
9	Ludwig-Boeckow-Systemtechnik GmbH	DE	256765	CSA-SA	18	TMA H2FC		Technology Monitoring and Assessment (TMA) of hydrogen and fuel cell technologies in Europe	768.262	540.012	Proposal fails evaluation threshold(s)
9	FORSCHUNGSZENTRUM JUELICH GMBH	DE	256807	CSA-SA	24	TrainHy-Regu		Training Programmes in the Hydrogen and Fuel Cell Field for Members of Regulatory Bodies	306.067	305.767	Proposal fails evaluation threshold(s)



Annex 4: FCH JU list of INELIGIBLE proposals

Proposal N°	Funding scheme	Total Cost €	Requested FCH JU contribution €	Acronym	Title	Reason(s) for ineligibility
256842	CP	834.062	591.986	TRIGEN	A small-scale fuel cell tri-generation system for domestic applications	None of the participants are members of any IG/RG at the call closure date.

