

Fuel Cells and Hydrogen Joint Undertaking (FCH JU)

## Experiencias de entidades españolas en proyectos financiados en FCH JU

### Perspectiva del Grupo de Investigación (N.ERGHY)

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- qué es FCH JU
- qué es N.ERGHY
- quiénes somos N.ERGHY
- cómo está organizado N.ERGHY
- qué hace N.ERGHY
- “un caso de éxito”



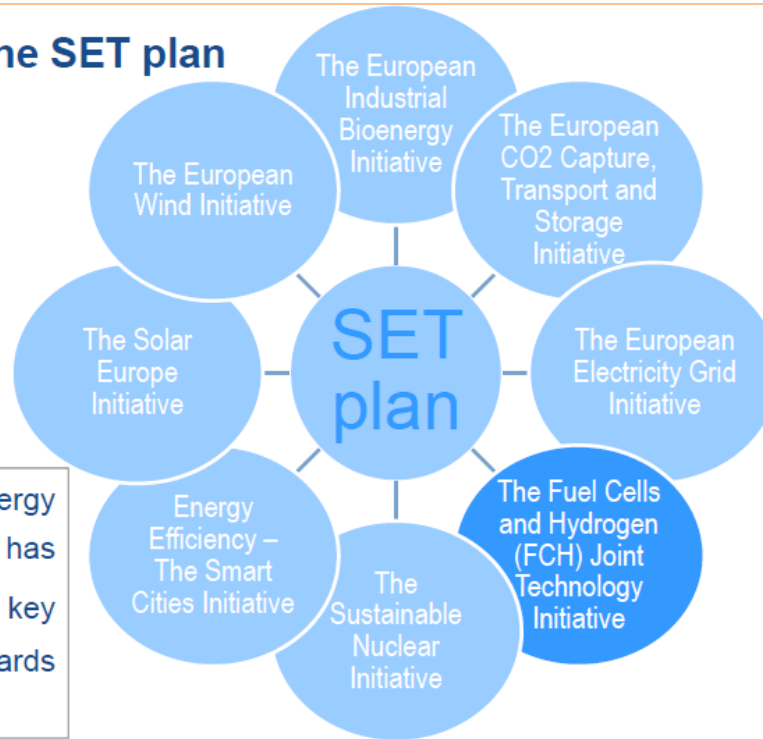
## Fuel Cells and Hydrogen Joint Undertaking (FCH JU)

- unique public private partnership supporting research, technological development and demonstration activities in **fuel cell and hydrogen energy technologies** in Europe
- aims to **accelerate the market introduction** of these technologies (by 2020), realizing their potential as an instrument in achieving a carbon-lean energy system.
- The three members of the FCH JU are
  - the **European Commission**
  - fuel cell and hydrogen industries represented by the **NEW-IG** Industry Grouping
  - the research community represented by the Research Grouping **N.ERGHY**

# qué es FCH JU



## The FCH JTI in the SET plan



The European Strategic Energy Technology (SET) Plan has identified **fuel cells** as a key technology for Europe towards the 20 20 20 goal.

## FCH JU - Objectives

- Bring resources together under a cohesive, long-term strategy : **industry led public private partnership**
- Ensure **commercial focus** by matching research activities to industry's needs and expectations
- Scale-up and intensify links between Industry and the Research Community

**To accelerate the development of technology base towards commercialization from 2015 onwards**

qué es FCH JU



## FCH JU : Strong Public Private Partnership with Focused Objectives

 The European Community represented by the **Commission**

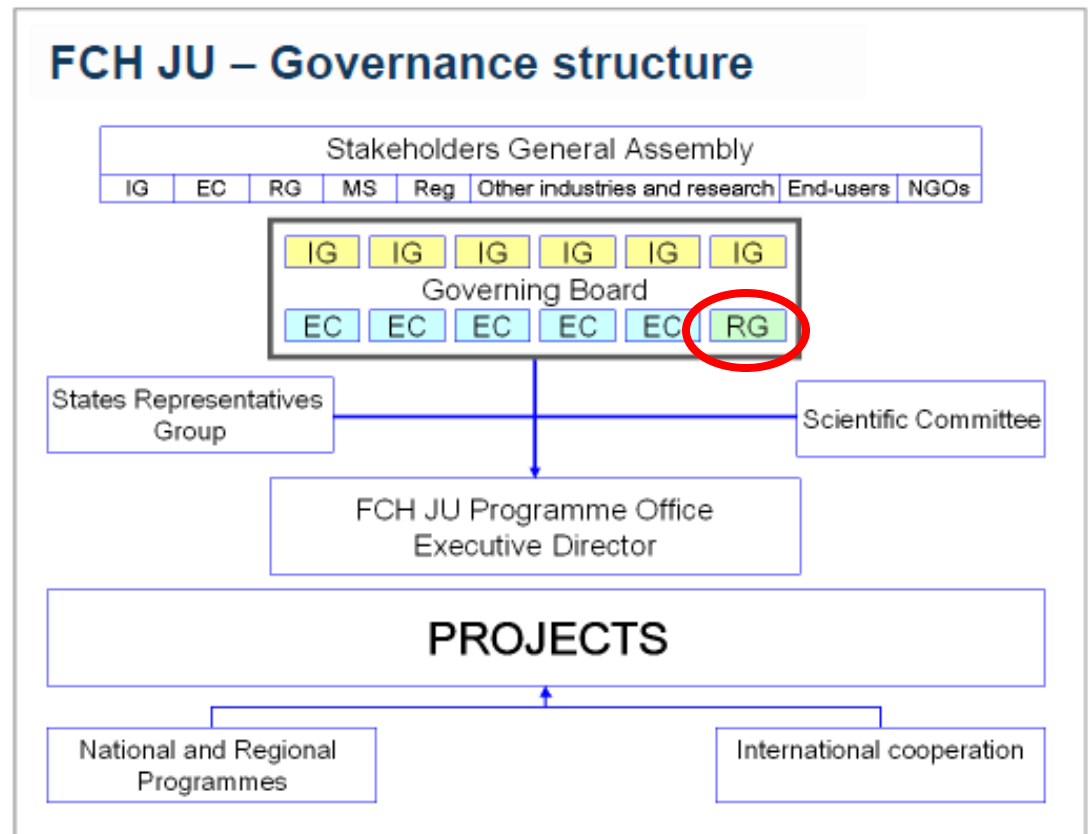
 **European Industry Grouping**  
fuel cells & hydrogen for sustainability

for the Fuel Cells and Hydrogen Joint Technology Initiative (NEW-IG) - 55 Members & 6 supporters (55% large companies)

 **New European Research Grouping**  
research on fuel cells & hydrogen

on Fuel Cells and Hydrogen (N.ERGHY) - 68 Members

Both the Industry Grouping and the Research Grouping are non-profit organisations with open membership

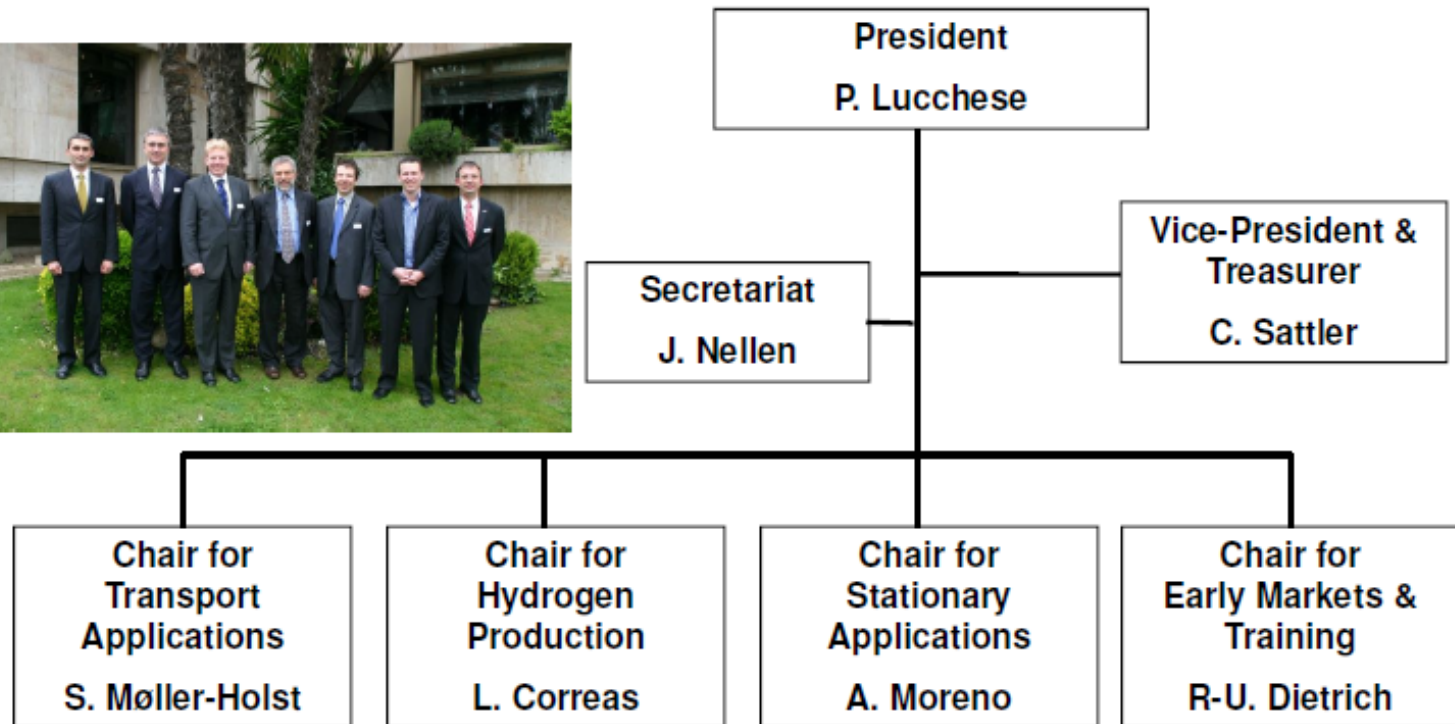






# quiénes somos N.ERGHY

## N.ERGHY Board - elected in April 2010



The JTI programme is divided into four Application Areas (AA) representing the different aspects of the planned technology development and demonstration activities.

## N.ERGHY in the FCH JU

### **N.ERGHY**

**= New European Research Grouping on Fuel Cells and Hydrogen**

- represents the European research community in the FCH JU
- is depending on voluntary activities of members and persons
- is quite successful in strengthening the research aspects in the MAIP and AIPs
- is fighting for acceptable funding conditions
- is financed by membership fees
- has to pay 1/12 of the running costs of the JU
- has a secretariat at DLR (Brussels and Cologne)
- Website: [www.nerghy.eu](http://www.nerghy.eu)

## N.ERGHY – Activities

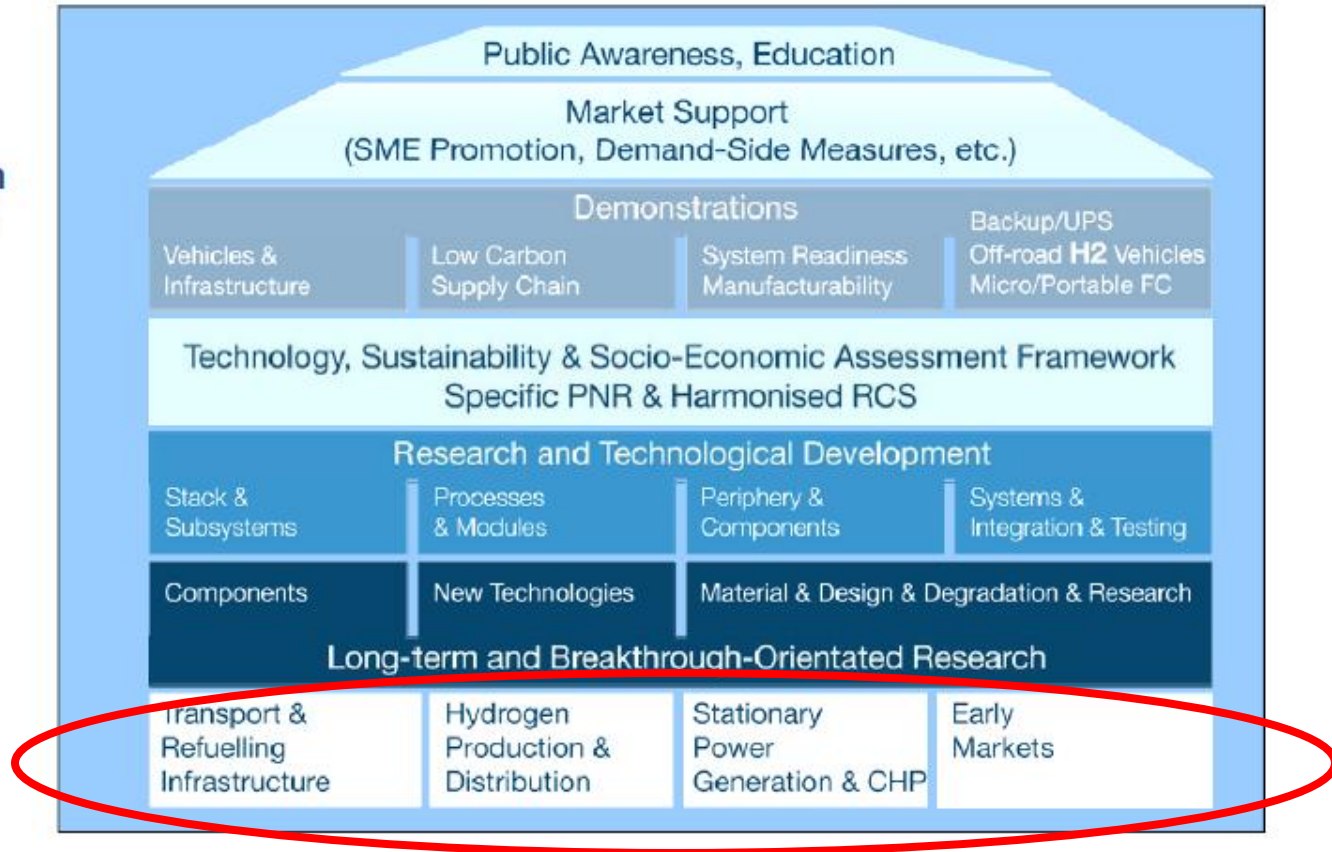
- Strong collaboration with Industry Grouping
  - Prioritisation criteria
  - Topics for the first and the following calls (MAIP, AIPs)
- Representing the interests of European Research Institutions in the JU
- Information about the JU activities to the Members
- Commitment regarding R&D on Hydrogen and Fuel Cells
  - Non JTI Europ. actions: EERA, Research Infrastructure (ESFRI), ...
  - International activities
  - Thematic working groups (up to members' initiative)

qué hace N.ERGHY



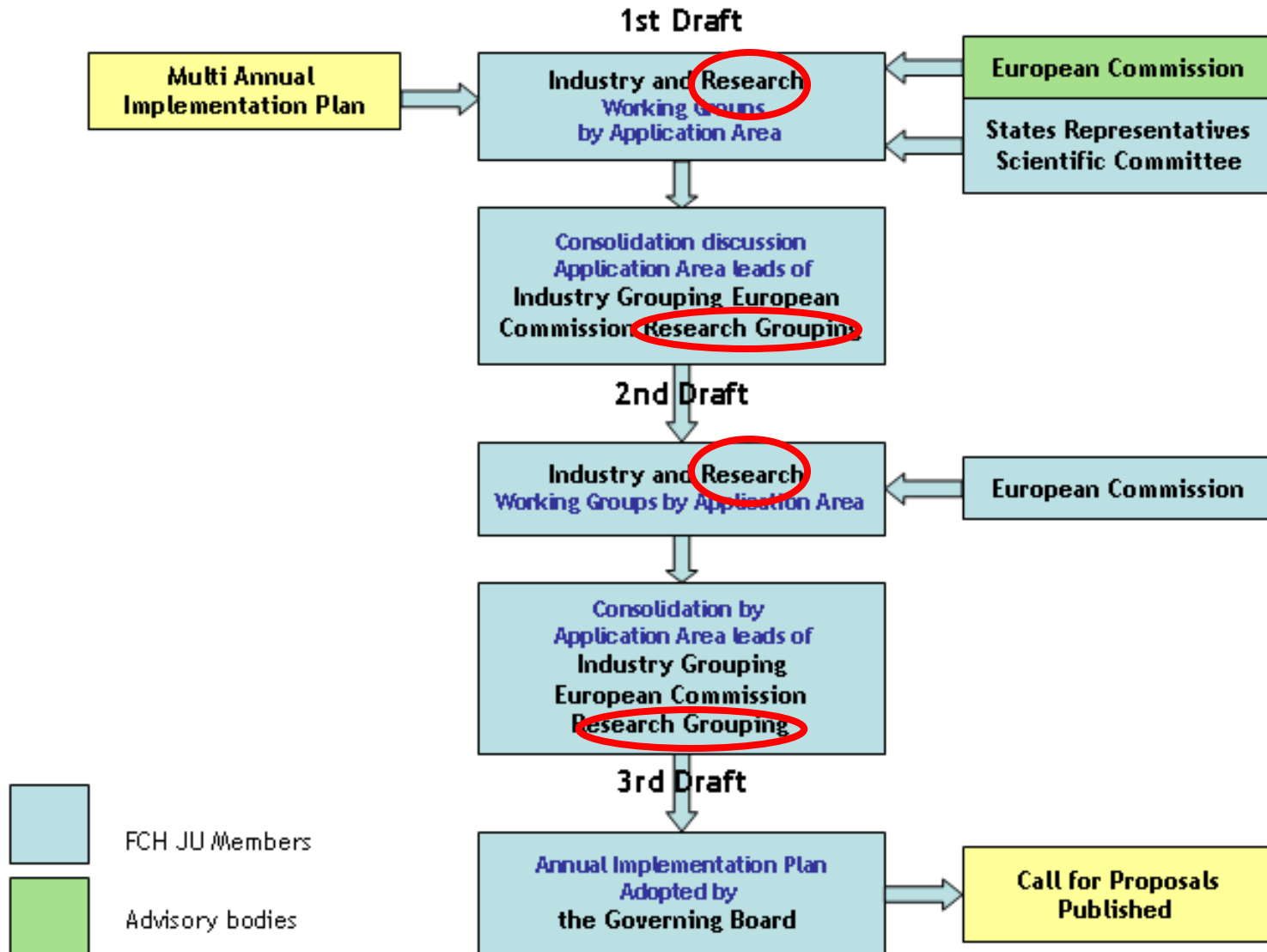
## FCH JU Multi-Annual Implementation Plan 2008 - 2013

Adopted in  
May 2009



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# qué hace N.ERGHY



## Funding in the FCH JU

### FP7 Upper funding limits:

- 75% of direct costs for universities, research institutes and SME in research projects, 50% for industry
- 50% of direct costs for all in demo projects
- Indirect costs = 20% of direct costs for all

### Plus JTI Rules:

- Industry's in-kind contribution has to match EC contribution (on a call by call basis)
- If the matching is not fulfilled, the funding level will be reduced proportionally

**Funding conditions (as foreseen today) are clearly worse than FP7!**

- Difficulties due to low funding rates (< 44 %)
- Awareness of « matching » issues consequence:  
N.ERGHY: keep research participation in future calls

# qué más hace N.ERGHY



## FCH JU BROKERAGE EVENT 2011

When: 19 May 2011, 12:00-18:00 CET

Where: Berlin, Germany



research on fuel cells & hydrogen



fuel cells & hydrogen for sustainability

**Venue:** NH Hotel  
Im Mediapark 8b  
Cologne, Germany

**Date & Time:** 19 May 2009, from 09.30 to 17:00 CET

**Participants:** N.ERGHY Members (RG)  
NEW-IG Members (IG)  
FCH JU (JU)  
EHA

**Fuel Cells and Hydrogen Joint Undertaking  
1<sup>st</sup> Brokerage Event**

# Un ejemplo práctico... y un caso de éxito



## 1st FCH JU Brokerage Event

### FIRST FCH JTI BROKERAGE EVENT JOINTLY ORGANISED BY N.ERGHY AND NEW-IG

On May 19th, more than 80 representatives from research and industry gathered in Cologne, Germany, for the first Brokerage Event in the Fuel Cells and Hydrogen JTI. As the second call of the JU is approaching, a meeting and matchmaking platform was offered to the experts to discuss project ideas and to form and complete project consortia. The event was suggested by N.ERGHY and jointly funded and organised with the Industry Grouping NEW-IG.



research on fuel cells & hydrogen



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**Fuel Cells and Hydrogen Joint Undertaking  
1<sup>st</sup> Brokerage Event**

# Un ejemplo práctico... y un caso de éxito

SHEL Project - Grant agreement no.: 256837 – Last modified: 24/11/2010

## Fuel Cells and Hydrogen Joint Undertaking (FCH JU)

Grant agreement for: Collaborative Project<sup>1</sup>

### *Annex I - "Description of Work"*

**Project acronym:** *SHEL*

**Project full title:** "Sustainable Hydrogen Evaluation in Logistics"

**Grant agreement no.:** 256837

Date of preparation of Annex I (latest version): 24-11-2010

Date of approval of Annex I by FCH JU: *(to be completed by FCH JU)*

# Un ejemplo práctico... y un caso de éxito



Beneficiary Number	Beneficiary name	Beneficiary short name	Country
1 (coordinator)	Fundación Cidetec	CIDETEC	Spain
2	International Centre for Hydrogen Energy Technologies	UNIDO-ICHET	Turkey
3	Air Products (Europe)	AP	UK
5	Centre for Renewable Energy Sources & Saving	CRES	Greece
6	Commission of the European Communities - Directorate General Joint Research Centre	JRC	Netherlands
7	Instituto Tecnológico del Juguete	AIJU	Spain
8	Instituto Nacional de Técnica Aeroespacial	INTA	Spain
9	Fundacion para el Desarrollo de las Nuevas Tecnologías del Hidrogeno en Aragón	FHA	Spain
10	University of Hertfordshire	UH	UK
11	Federazione delle Associazioni Scientifiche e Techniche	FAST / EHA	Italy
12	Hygear BV	HYGEAR	Netherlands
13	CEGA Logistics	CEGA	Spain
14	Cumitas	CUMITAS	Turkey

Un ejemplo práctico... y un caso de éxito

