



FCH JTI

Piotr Swiatek, NCP Energy

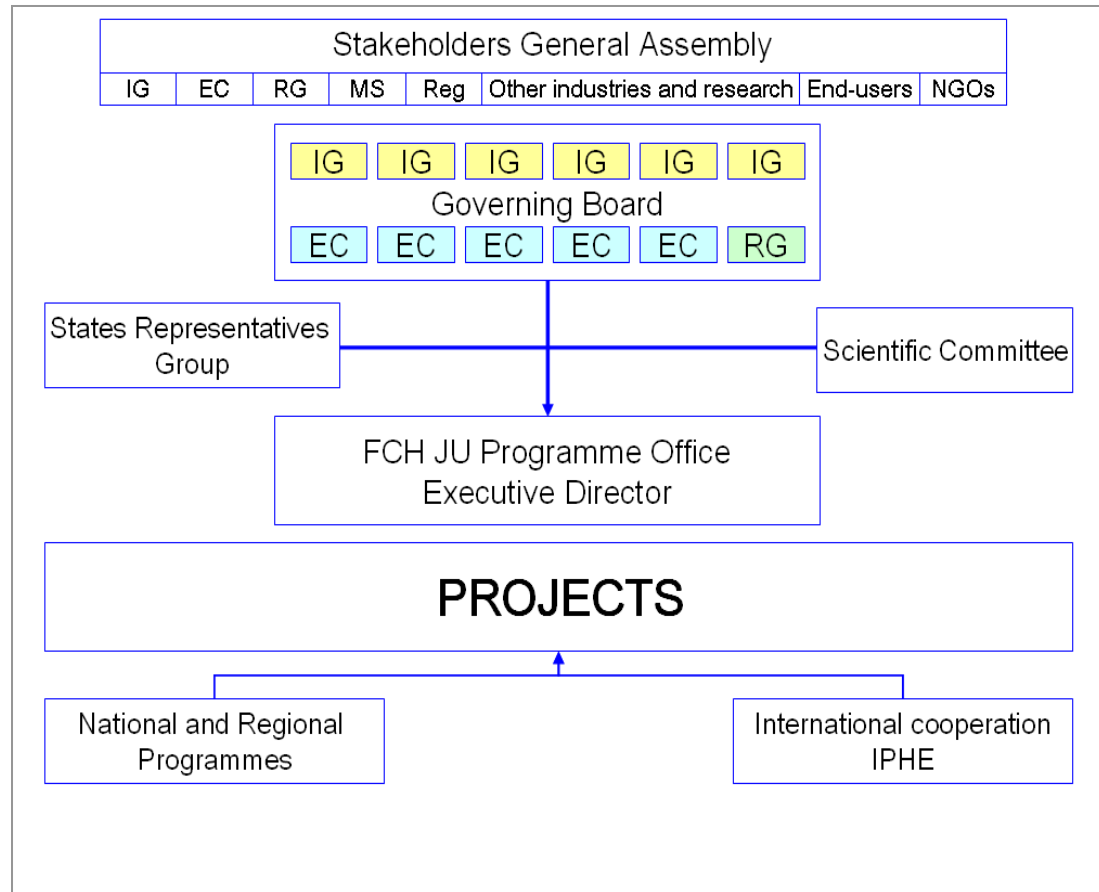
FCH JU : Strong Public Private Partnership with Focused Objectives

FCH JU - Objectives

- Bring resources together under a cohesive, long-term strategy : **public private partnership**
- Ensure **commercial focus** by matching RTD 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

FCH JU – Governance structure



Strong Partnership with Focused Objective

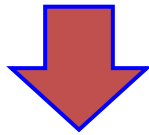
The European Union represented by the European Commission



European Industry Grouping for the Fuel Cells and Hydrogen Joint Technology Initiative (NEW-IG)



New European Research Grouping on Fuel Cells and Hydrogen (N.ERGHY)



To accelerate the development of technology to establish the technology base for commercialisation from 2015 onwards

NEW-IG: Industry Representation



- Represents **Industry perspectives** in the Joint Undertaking
- 54 member-companies from all over Europe
- Almost 50 % SMEs
- Structured in application-lead areas (Production, Transport, Stationary, Early Markets)
- Representation based in Brussels

- Private partner in the JU – contributes 50 % cost
- Co-develops Annual Implementation Plan
- Part of JU governance through JU Governing Board

NEW-IG: Industry Representation



- **Priority setter**, by co-drafting Annual and Multi-annual implementation plans
- **Application oriented** – facilitating market development of FCH technologies in a coordinated manner (e.g. commercialisation plans)
- **Focus on accelerating development and market deployment** of applications (FCEV, telecom back-up systems, forklifts)

N.ERGHY: Research Representation



- Represents **Research perspectives** in the Joint Undertaking
- 60 members from research organizations and Universities all over Europe
- Structured in application-lead areas (Production, Transport, Stationary, Early Markets)
- Representation based in Brussels

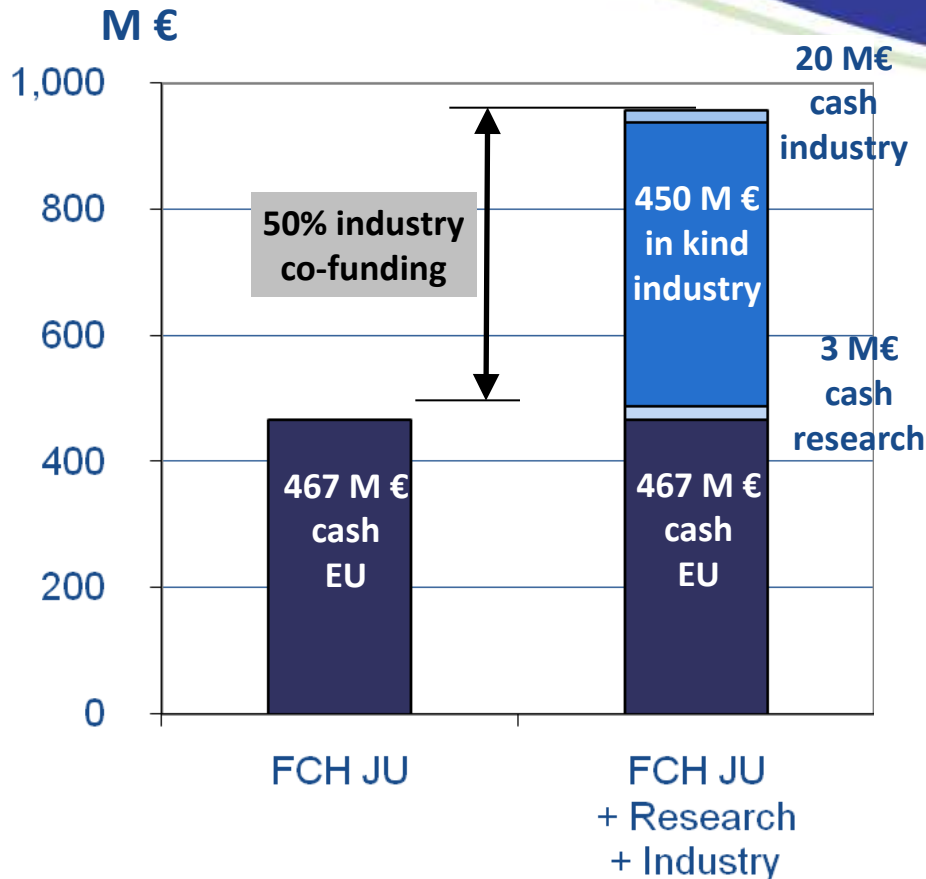
- Private partner in the JU – contributes 8+% cost
- Co-develops Annual Implementation Plan
- Part of JU governance through JU Governing Board

N.ERGHY: Research Representation



- **Priority setter**, by co-drafting Annual and Multi-annual implementation plans
- **Research for the market**, providing research expertise in the Fuel Cell and Hydrogen Joint Undertaking to accelerate the deployment of hydrogen and fuel cell technology
- **Emphasis on aligning** research and industry activities for FCH technology market deployment

FCH JU - Operational budget



Budget : 2008 ~ 2013 : (min.) 940 M €

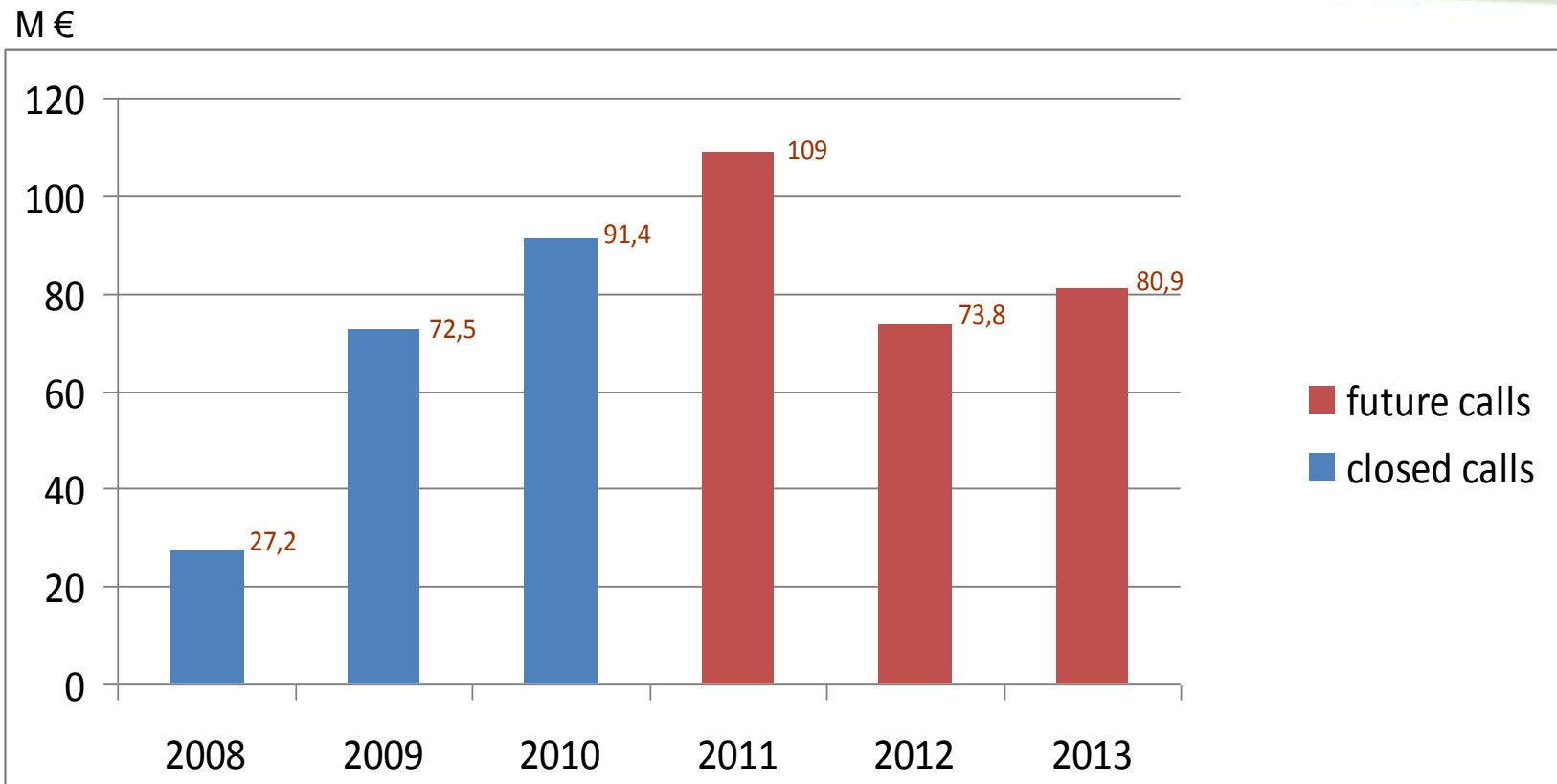
Operations : to launch annual, open and competitive calls for project proposals

Principle : 50/50 cost-sharing between the EU and Industry

Limit : The requested FCH JU (cash) funding has to be matched by industry co-financing (in kind) at call level; in case of mismatching, the FCH JU funding is reduced.

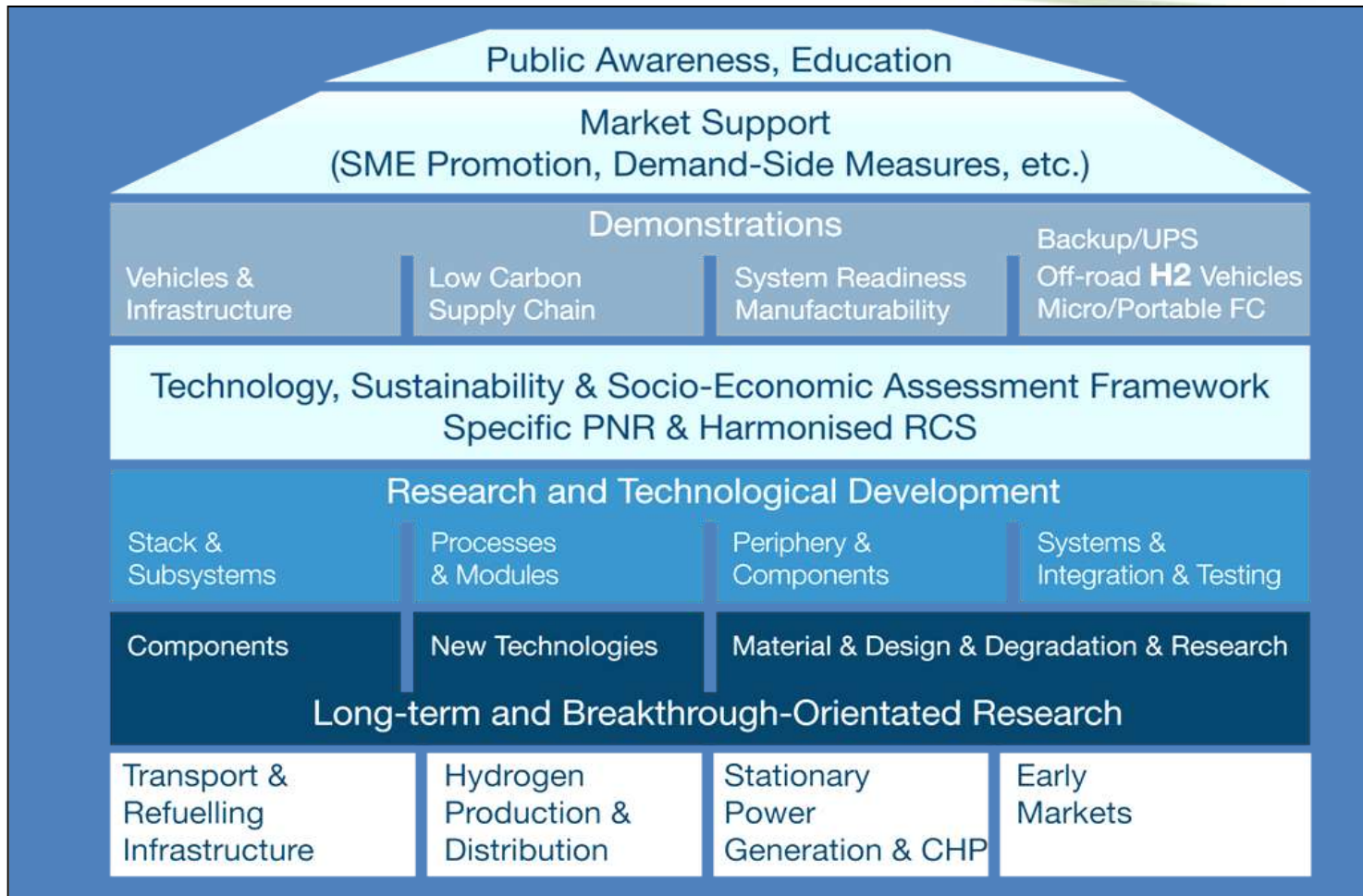
Correction factor : in order to reflect the reduced FCH JU funding, a correction factor is applied to all funding schemes (e.g. for the calls 2010: 0.72, for 2008 & 2009: 0.67)

Call for proposals budget 2008 – 2013



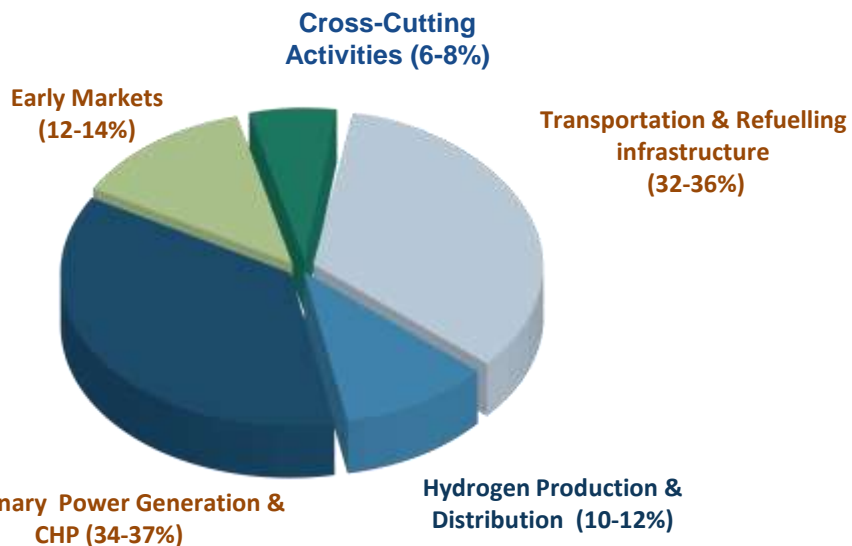
Multi-Annual Implementation Plan 2008 - 2013

Adopted in
May 2009... currently
under revision

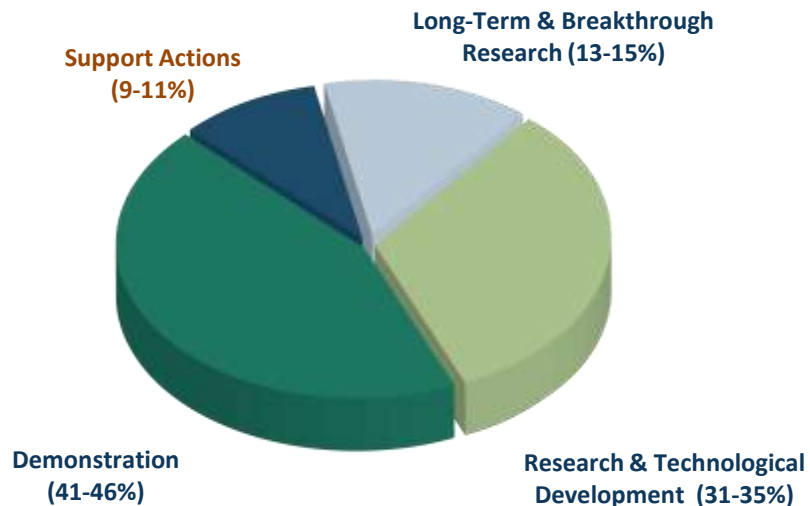


Budget Breakdown 2008-2013

By Application Area (*)

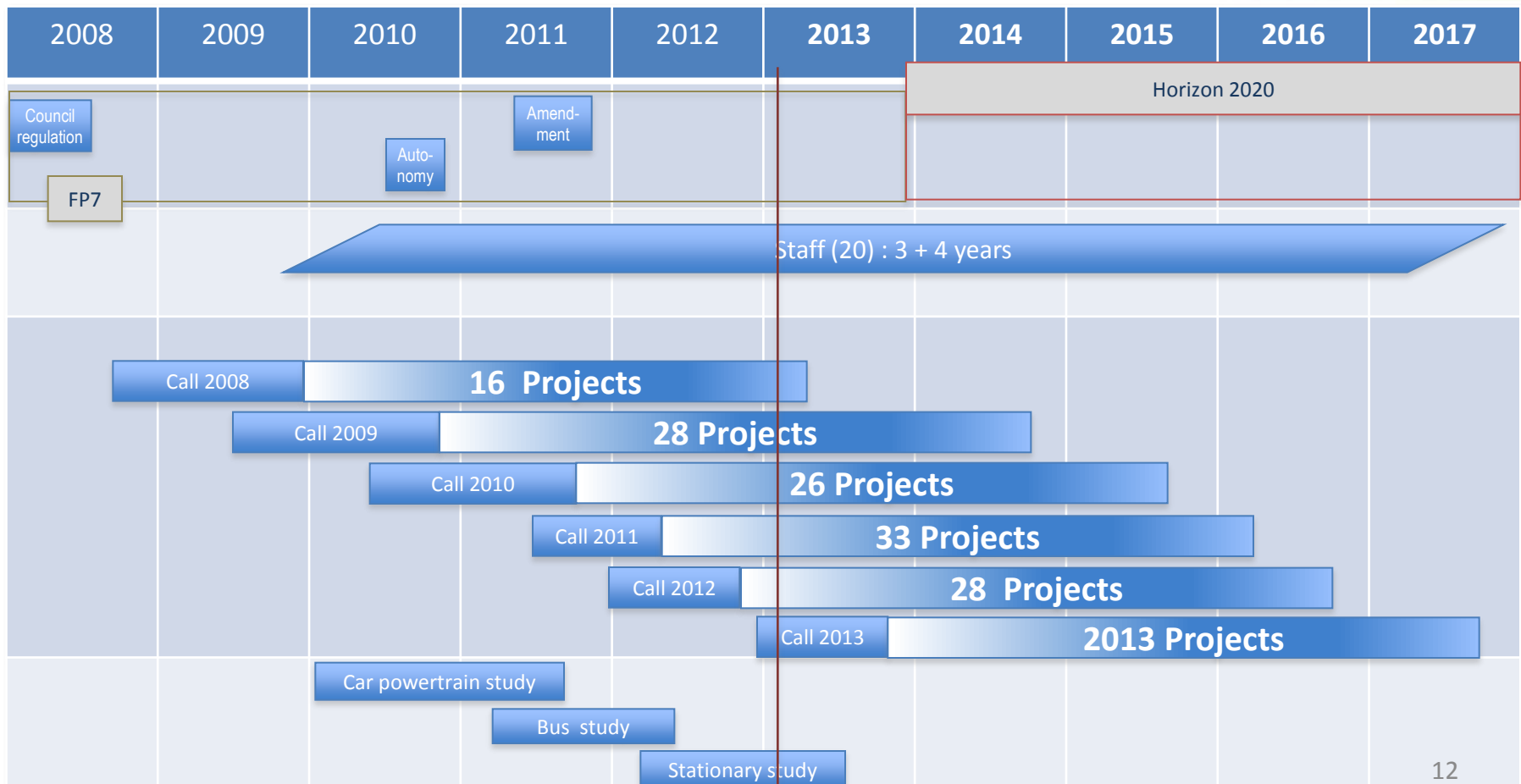


By Activity Type (*)



* as stated in the Multi Annual Implementation Plan

Overview

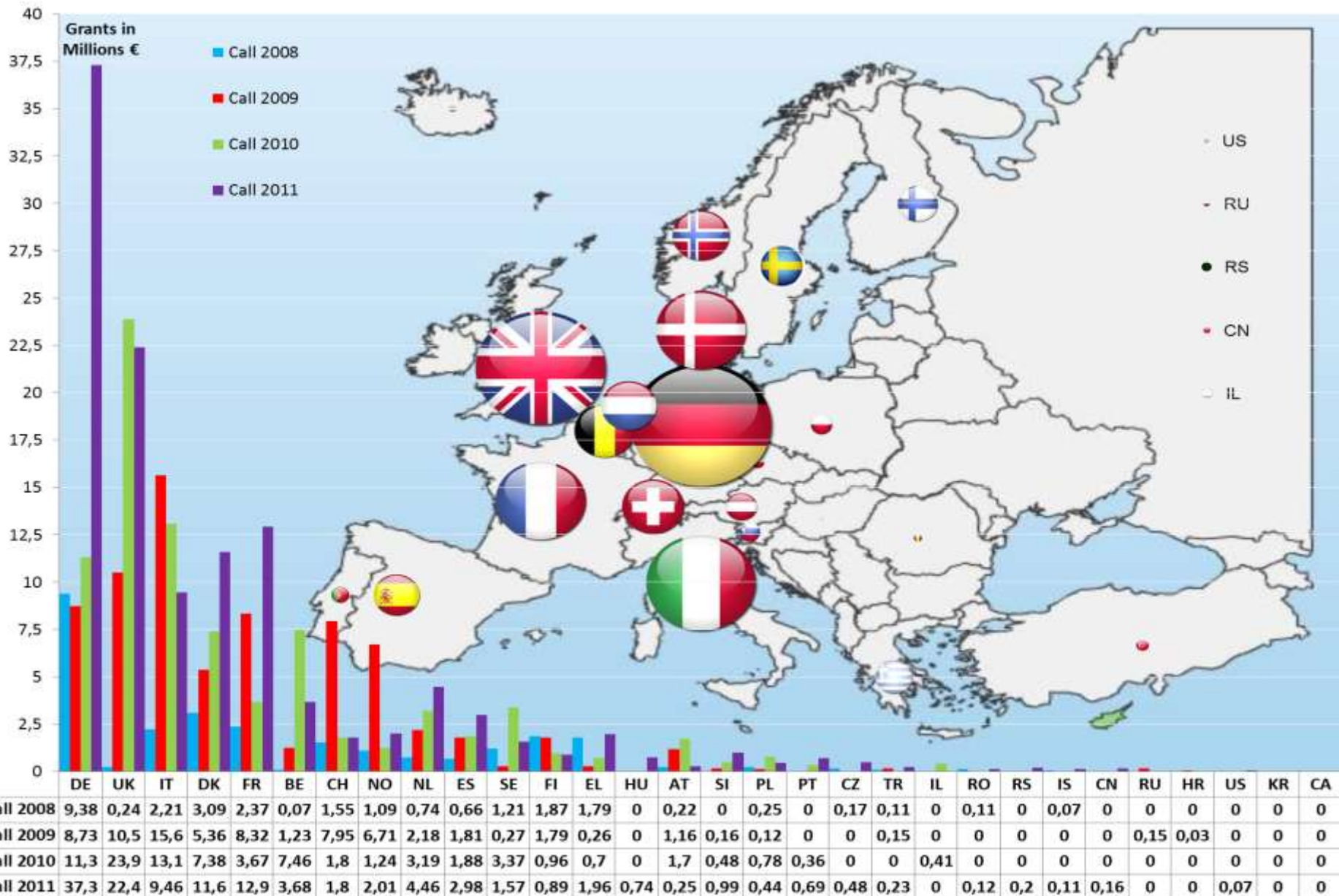


More than 100 FCH JU funded projects

2008: 16, 2009: 28, 2010: 26, 2011: 33, 2012: 28

<p>TRANSPORTATION & REFUELLING INFRASTRUCTURE</p>	<p>21 projects 6 demo 13 research 2 studies +7 (2012) 2 research and 1 demo finished</p>	
<p>HYDROGEN PRODUCTION & DISTRIBUTION</p>	<p>21 projects 1 demo 20 research +4 (2012) 4 research finished</p>	
<p>STATIONARY POWER GENERATION & CHP</p>	<p>36 projects 6 demo 30 research +9 (2012) 4 research finished</p>	
<p>EARLY MARKETS</p>	<p>16 projects 8 demo 7 research 1 study +3 (2012)</p>	
<p>CROSS - CUTTING</p>	<p>9 projects- 5 finished +5(2012)</p>	<p>RCS, Safety, Education, PNR, ...</p>

Programme participation per country



Fuel cells and hydrogen technology under Horizon 2020

2014 – 2020 Multiannual Financial Framework Smart & inclusive growth

Horizon 2020
research, technology
development,
demonstrations and
innovation

**Structural
Funds**

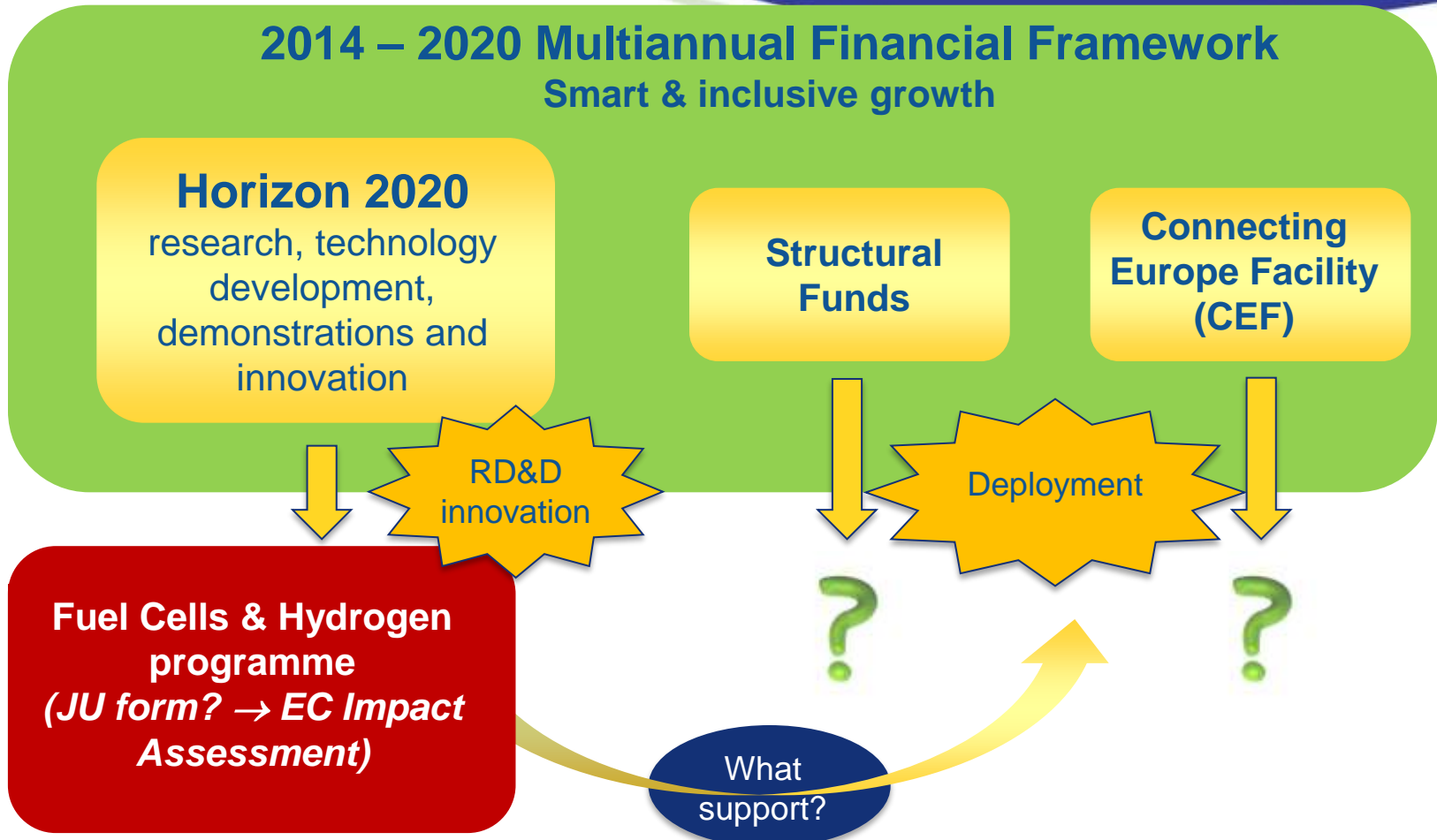
**Connecting
Europe Facility
(CEF)**

**RD&D
innovation**

Deployment

**Fuel Cells & Hydrogen
programme
(JU form? → EC Impact
Assessment)**

**What
support?**





PART I- FCH JU RULES for PARTICIPATION

**PART II- PREPARATION, SUBMISSION and
EVALUATION of PROPOSALS**

PART III- CLOSING RECOMMENDATIONS

DEFINITIONS

according to the model FCH JU Grant Agreement

- **Public body** means any legal entity established as such by national law, and international organisations
- **Research organisation** means a legal entity established as a non-profit organisation which carries out research or technological development as one of its main objectives
- **Industry** – for the purpose of the FCH JU Grant agreement - means a legal entity pursuing an economic activity with a profit objective, or an affiliated entity to such a legal entity
- **Higher and secondary education establishments** - term used by Financial Regulation / Implementing Rules and includes universities, schools for applied sciences and similar
- **SMEs** mean micro, small and medium-sized enterprises within the meaning of Commission Recommendation 2003/361/EC in the version of 6 May 2003 (*)

() enterprises which employ fewer than 250 persons and which have an annual turnover not exceeding EUR 50 million, and/or an annual balance sheet total not exceeding EUR 43 million*

WHO CAN PARTICIPATE in FCH JU PROJECTS ?

- 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 Collaborative Projects funded by the FCH JU shall be the following:
 - **At least 3 legal entities must participate**, each of which must be established in a Member State or an Associated Country, and no two of which are established in the same Member State or an Associated Country
 - **All 3 legal entities must be independent of each other** as defined in Article 6 of the Rules for Participation of the Seventh Framework Programme [1]
 - **At least 1 legal entity must be a member of the Industry Grouping (IG) or the Research Grouping (RG)**
- The **minimum condition** for service and supply contracts, Support Actions, studies and training activities funded by the FCH JU shall be the **participation of one legal entity**

[1] Regulation (EC) No 1906/2006 of the European Parliament and of the Council of 18 December 2006 laying down the rules for the participation of undertakings, research centres and universities in actions under the Seventh Framework Programme and for the dissemination of research results (2007-2013)

Principles of co-financing and no profit

Forms of grants (FCH JU / EU Financial contribution):

- Reimbursement (in whole or in part) of eligible costs is the preferred method
- A grant will be awarded by means of a Grant Agreement between the FCH JU and the project participants
- The project activities shall be financed through a financial contribution from the FCH JU and through in-kind contributions from the legal entities participating in the activities
- The contribution from the participating legal entities shall at least match the financial contribution of the EU (*), i.e. the financial (cash) contribution coming from the FCH JU

(*) Council Regulation of 14 November 2011 amending founding regulation of the FCH JU

DIRECT/INDIRECT COSTS

Eligible costs shall be composed of

Direct costs = attributable directly to the action

Indirect costs = not attributable directly to the action, but which have been incurred in direct relationship with the direct costs (*'overheads'*)

The reimbursement of participants' costs shall be based on their eligible direct and indirect costs

Principles and flat rates are set out in the Annual Implementation Plan

The reimbursement of **indirect** costs for every beneficiary will be:

- Either a maximum of 20% of the direct eligible costs,
- Or a flat rate of 20% of the direct eligible costs,

excluding its direct eligible costs for subcontracting and the costs of resources made available by third parties which are not used on the premises of the beneficiaries.

First option is mandatory for industry, except for those whose accounting system does not allow to distinguishing direct from indirect costs. Under this option, beneficiaries shall declare their actual indirect costs under eligible costs.

CSA funding scheme: reimbursement limit of 7% of direct costs



RECOMMENDATIONS

• What exactly is the novelty of the proposal?

- Do:** Include a clear State of the Art, SoA (not only EU, but international) which illustrates this novelty
- Do:** Provide details of any "preliminary" activities already performed by some members of the consortium to show that they don't start from 'scratch' and that the risk is limited

• What are you planning to do and how?

- Do:** Critically review the number of deliverables (too many OR too few are bad indicators)
 - Do:** Provide clear milestones which allow to evaluate the progress of the project (including Go/NoGo decision points)
 - Do:** Structure the Work Plan in a clear and consistent way showing the relationship among the different Work Packages (WP) and/or tasks
 - Do:** Try to have a balanced (sectorial and geographical) and complementary consortium; avoid adding "cosmetic" partners
- Don't:** mix deliverables and milestones
- Don't:** Avoid using sub-contractors and third parties - a strong consortium should be able to perform the major tasks with their own resources

The proposal should provide clear and short answers to these questions

• How is your budget/resources planned over the activities and duration of the project ?

Do: explain as clear as possible the allocated resources (e.g. man-months) per partner and activities - avoid to over-estimate the effort needed

Do: try to declare as accurately as possible the estimated costs, especially for indirect costs (use the correct method of declaration of indirect costs)

Don't: include partners with 0 total costs - the requested funds could be zero, but the total should be definite higher, reflecting their contribution to the project

• What can be expected as a result of the project?

Do: Describe precisely the main outcome of the project - avoid using too many ambiguous terms (e.g. illustrate, evaluate, assess, recommend, etc)

• What would be the impact on energy technology?

Do: Describe the potential impact of the "project outcome" not of the "technology" being addressed

Do: Provide "quantitative" estimates of critical parameters (e.g. performance, size, weight, cost, etc) which allow to compare the resulting outcome with the SoA

CLOSING RECOMMENDATIONS

Choose your partners carefully to cover the needed expertise

Check your proposal against the check list provided in the Guide for Applicants

Do not wait until the last moment to submit the proposal

Read the reference documents before preparing the proposal

Reference documents

- Annual Implementation Plan 2013 (including call fiche)
- Guide for Applicants
- FCH JU Rules for submission, evaluation and award procedures (updated version)
- FCH JU model Grant Agreement (e.g. Annex II – general conditions)

Find a document :

<http://www.fch-ju.eu/content/how-participate-fch-ju-projects>

Do not hesitate **to ask for help or further information** at:

fch-projects@fch.europa.eu