

Members of Fuel Cells and Hydrogen 2 Joint Undertaking declare planned Additional Activities of the third Reporting Period January – December 2017

Introduction

Within the European innovation framework Horizon 2020 the Fuel Cells and Hydrogen 2 Joint Undertaking (FCH 2 JU) is the second generation of the European public-private partnership comprising the Industry Grouping (Hydrogen Europe), the Research Grouping (N.ERGHY) and the European Union represented by the European Commission. The partnership will mobilise up to €1.33 billion over the next decade to bring to market a portfolio of Fuel Cells and Hydrogen solutions in the fields of energy and transport.

In line with the FCH 2 JU Regulation¹, which lays the foundation for the partnership, all FCH 2 JU beneficiaries need to report additional R&D and deployment investments (“In-Kind Additional Activities”) made outside the framework of the FCH 2 JU in order to demonstrate the leverage effect of the programme and the growth of the sector.

These Additional Activities (IKAA) are defined as actions in Europe contributing to the FCH 2 JU's objectives but undertaken outside its work plan and not funded by the Union. Members of Hydrogen Europe and N.ERGHY and their affiliate entities are required to jointly deliver IKAA of at least €285 million across the life span of the FCH 2 JU.

¹ Council Regulation (EU) No 559/2014 of 6 May 2014 establishing the Fuel Cells and Hydrogen 2 Joint Undertaking

The underlying purpose of the IKAA exercise is hence to demonstrate private investments in the sector and ensure a balanced contribution made by the private and public entities in the context of the partnership.

The IKAA will be complemented by In-Kind Contributions through participation in Projects (IKOP) as part of the calls for proposals issued by the FCH 2 JU and covering non-reimbursed expenses.

Analysis of planned 2017 IKAA

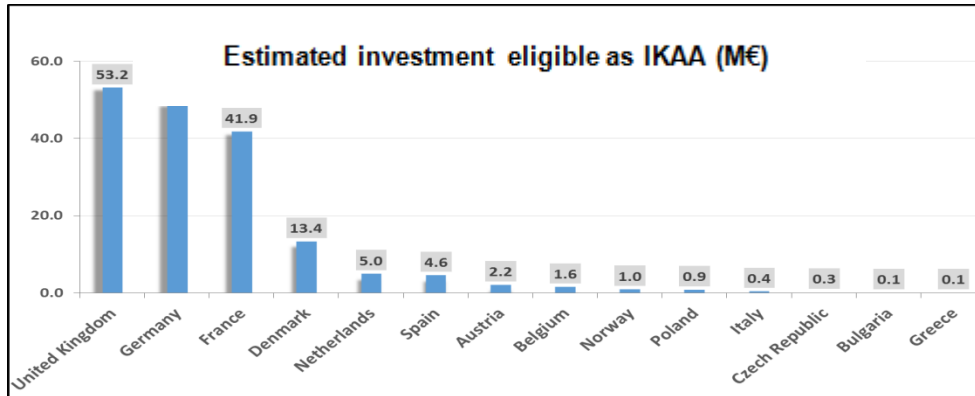
Hydrogen Europe and N.ERGHY members submitted their investment plans for the second reporting period from 1 January to 31 December 2017 to the FCH JU Governing Board in December 2016.

A total of 56 research and industry organisations submitted their investment plans for a total amount of €173M (see table). These strong planned figures add to the reported €188,57M IKAA for the first reporting period 2014-2015 and the planned €210M for the second reporting period 2016. Clearly, the sector is showing strong and on-going commitment to the goals of the partnership.

With an ~ 65-35% split between industry and research submissions in terms of number of entities, there is a continued intention to invest in, develop, and commercialise these innovative technologies.

Industry or Research / Submissions		
Sector	Number of members	Estimated investment eligible as IKAA (M€)
Industry	36	117
Research	20	56
Total	56	173

These submissions came from 14 different EU Member States and Associated States (see graph below), with organisations from the Germany, France and the United Kingdom providing the most sizable investments.



With SMEs contributing approximately 59% of planned industry IKAA, this plan shows that the FCH 2 JU is clearly spurring innovation, economic growth, and job creation in the European Union.

Size of Company of Industry Members		
Type	Estimated Divide (Percentage)	Estimated investment eligible as IKAA (M€)
Large	41	48.2
SME	59	68.8
Total	100	117.0

The activities undertaken under the Energy Pillar comprised heat and power equipment as well as hydrogen production storage. The

activities within the transport pillar included transportation and transport infrastructure. Finally a number of activities dealt with regulations, codes and standards, as well as transition solutions as per table below indicates.

Energy /Transport Distribution		
Application	Estimated, (M €)	%
Heat and Power equipment	63	36%
Hydrogen Production	43	25%
Transportation	31	18%
Transport Infrastructure	19	11%
Regulations, standards and education	17	10%
Total	173	100%

Next steps

Planned figures relate to IKAA which are to be carried out in a highly dynamic business environment. As new opportunities arise and activities evolve, both research and industry members will provide an update of realised activities through required IKAA reports. The final validation of these activities will be accomplished through certification of reported amounts by independent external auditors.

For any questions regarding IKAA do not hesitate to contact both FCH 2 JU partners using details below:

Hydrogen Europe

Web: www.hydrogeneurope.eu

Email: secretariat@hydrogeneurope.eu

Tel: +32 2 54 087 75

N.ERGHY

Web: www.nerghy.eu

Email: Laurent.Antoni@nerghy.eu

Tel: +49 2203 601 2421