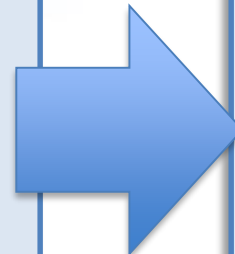


Strong Public-Private Partnership with a focused objective

Fuel Cells & Hydrogen Joint Undertaking (FCH 2 JU)



The Joint Undertaking is managed by a Governing Board composed of representatives of all three partners and lead by Industry.



To implement an optimal research and innovation programme to bring FCH technologies to the point of **market readiness by 2020**

Legal basis:

Council Regulations:

521/2008 of 30 May 2008 (FP7)

& amendment 1183/2011 of 14 Nov 2011

559/2014 of 6 May 2014 (H2020)

FCH 2 JU Objectives

(COUNCIL REGULATION (EU) No 559/2014 of 6 May 2014 establishing the FCH 2 JU)



Reduce the production cost of fuel cell systems to be used in transport applications, while increasing their lifetime to levels which can compete with conventional technologies



Increase the electrical efficiency and the durability of the different fuel cells used for power production to levels which can compete with conventional technologies while reducing costs



Increase the H₂ production energy efficiency mainly from water electrolysis & renewable sources while reducing costs, so that the combined system of the H₂ production and the conversion using the fuel cell system can compete with the alternatives for electricity production available on the market



Demonstrate on a large scale the feasibility of using H₂ to support renewable energy sources integration into the energy systems, incl. through its use as a competitive energy storage medium for electricity produced from renewables



Reduce the use of the EU-defined “critical raw materials”, for instance through low-platinum or platinum-free resources and through recycling or reducing or avoiding the use of rare earth metals

204 projects supported for 737 M€
Similar leverage of private funding: 782 M€

ENERGY **117 projects**

- Hydrogen production and distribution
- Hydrogen storage for renewable energy integration
- Fuel cells for power & combined heat & power generation

360 M€, 49%

TRANSPORT **53 projects**

- Road vehicles
- Non-road vehicles and machinery
- Refuelling infrastructure
- Maritime, rail and aviation applications

337 M€, 46%

39 M€

Cross-cutting, 34 projects

(e.g. standards, safety, education, consumer awareness, ...)