

#innovacion  
#financiacion  
#asesoramiento  
#internacionalizacion

# Financiación Europea para proyectos de hidrógeno

## FCH2 JU

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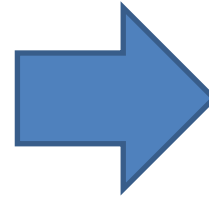
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18 de septiembre de 2018

# ¿Que hacemos?

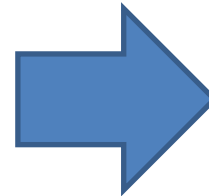


Financiación de Proyectos de I+D+i con **FONDOS PROPIOS**



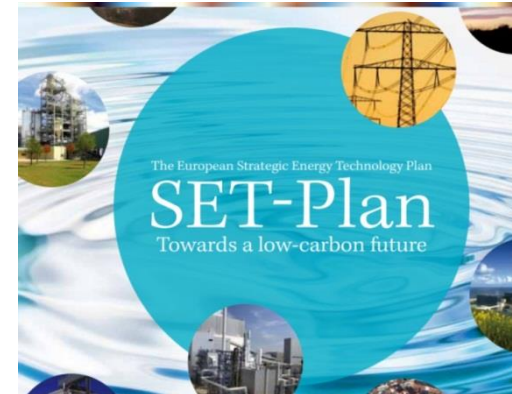
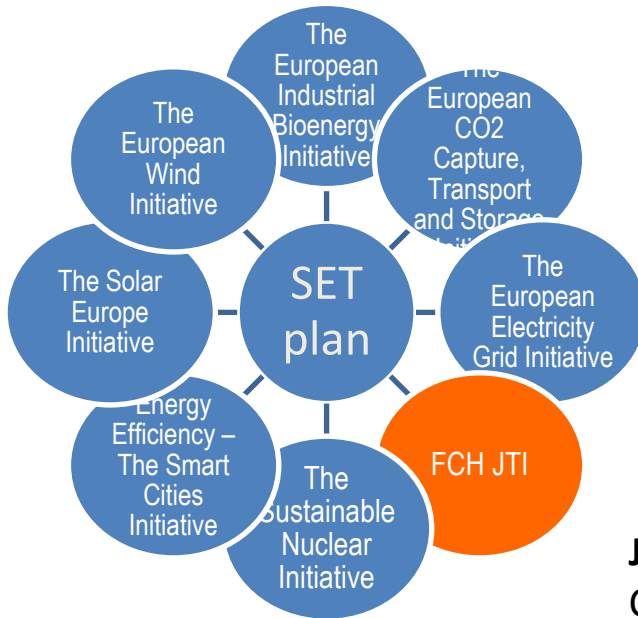
**TODAS LAS FASES DEL PROYECTO**

Gestión de programas de Financiación de I+D+i con **FONDOS AJENOS** (H2020, ESA, CERN, ITER..)



**TAREAS DE REPRESENTACIÓN, ASESORAMIENTO Y ORIENTACIÓN**

# JTI-FCH Background



Fuel cells technology is a key technology for Europe towards the 20-20-20 goal by 2020

**Joint Undertaking – Public Private Partnership**

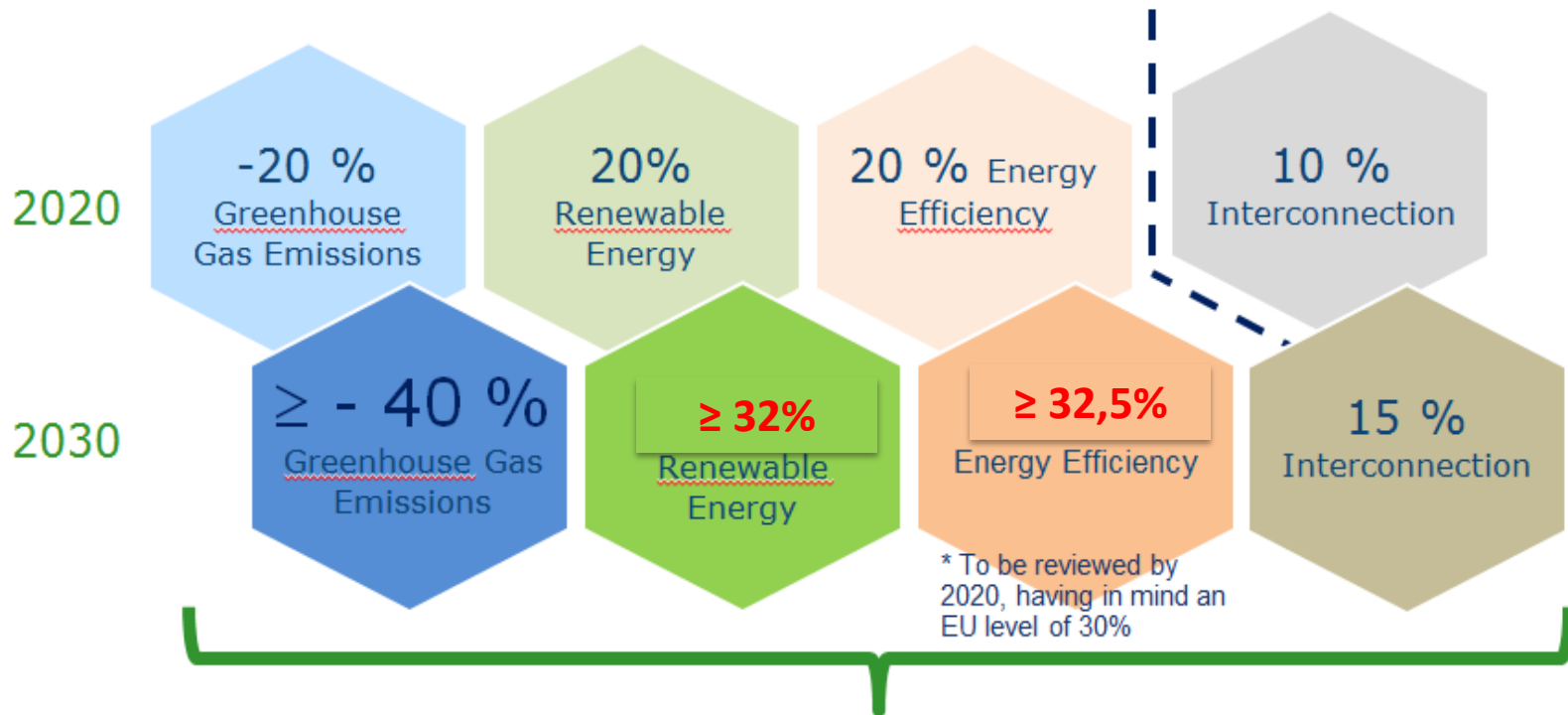
Council Regulations:

521/2008 of 30 May 2008 (FP7)

559/2014 of 6 May 2014 (H2020)

# UE: 2030 Framework for Climate and Energy

## Agreed headline targets

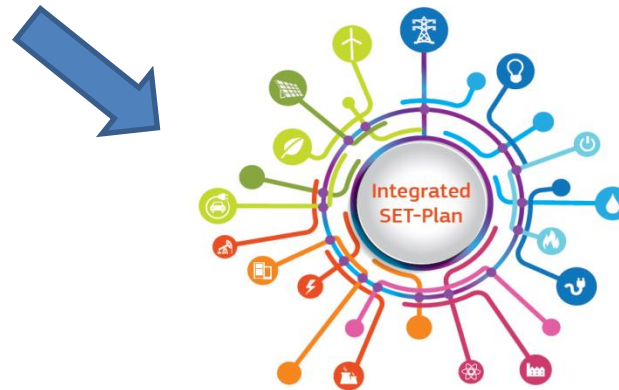


New governance system + indicators

# Political Context

## Energy Union

- *Energy **security**, solidarity and trust*
- *A fully **integrated** internal energy market*
- ***Energy efficiency** first*
- *Transition to a **low-carbon** society*
- *An Energy Union for Research, Innovation and Competiveness*



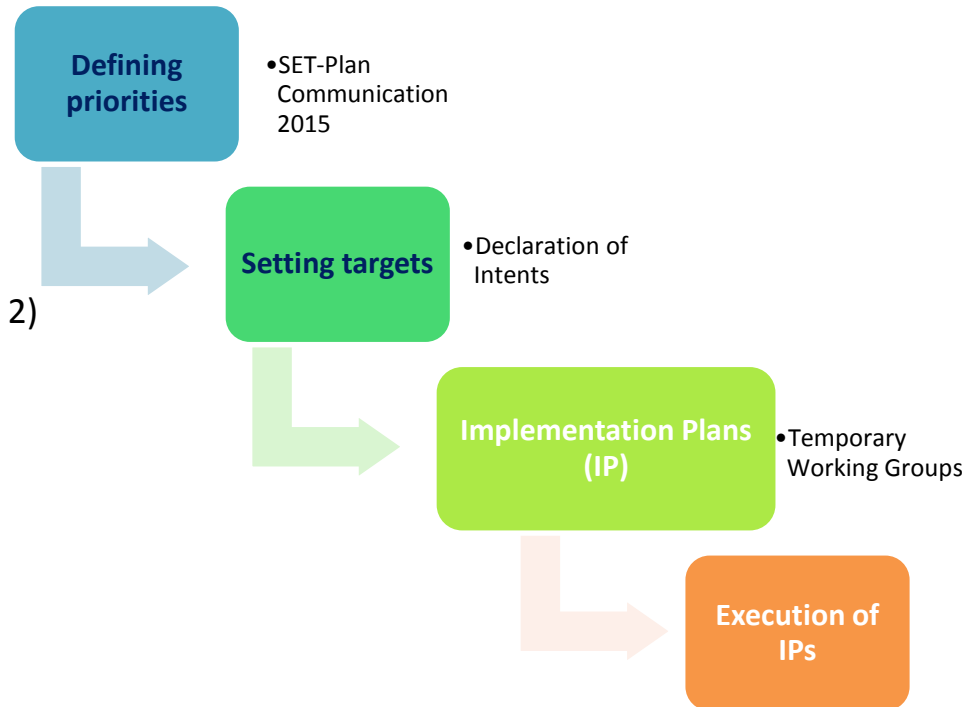
# Political Context



Overall objective: Accelerating the development and **deployment of low-carbon technologies through cooperation among EU countries, companies, research institutions, and the EU itself, based on common priorities and targets.**

## Priority Actions:

- 1+2. Improving performance and reducing cost of renewable energy (Action 1, 2)
3. Smart solutions for consumers
4. Smart Resilience and Secure Energy System
5. Energy Efficiency in Buildings
6. Energy Efficiency in Industry
7. Batteries and e-Mobility
8. Renewable Fuels and Bioenergy
9. Carbon Capture Utilisation and Storage
10. Nuclear Safety



<https://setis.ec.europa.eu/low-carbon-energy-technologies>

CDTI Centro para el Desarrollo Tecnológico Industrial | E.P.E.

# Political Context



COP21·CMP11  
**PARIS 2015**  
UN CLIMATE CHANGE CONFERENCE

[http://unfccc.int/paris\\_agreement/items/9485.php](http://unfccc.int/paris_agreement/items/9485.php)



<https://www.iphe.net/>

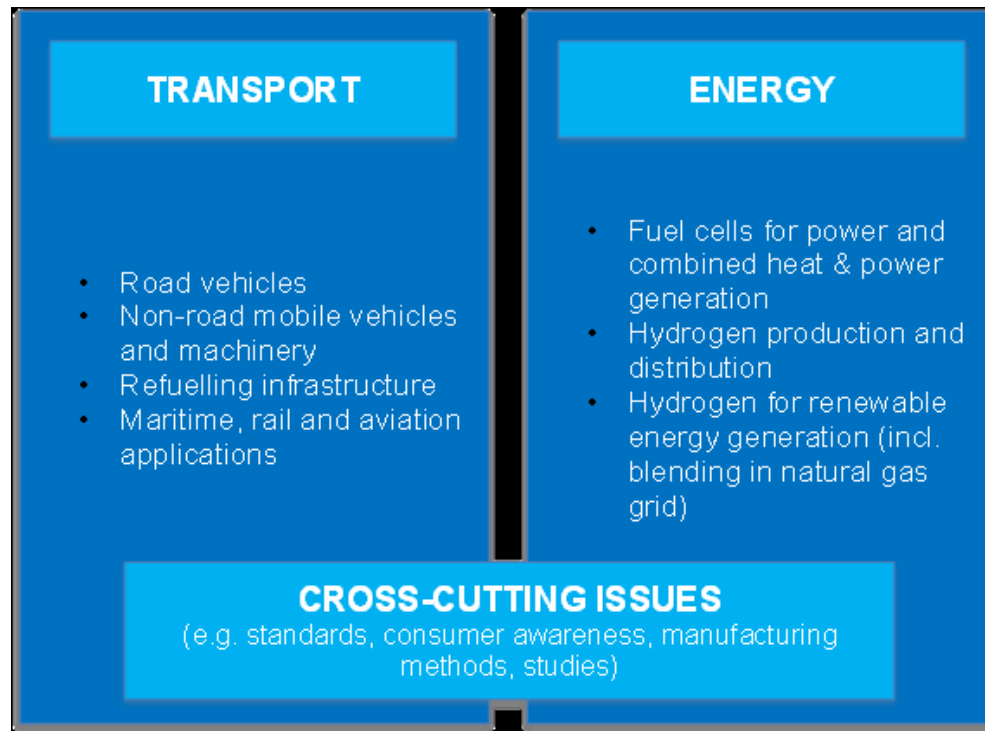


<https://ec.europa.eu/energy/en/news/commission-proposes-new-rules-consumer-centred-clean-energy-transition>

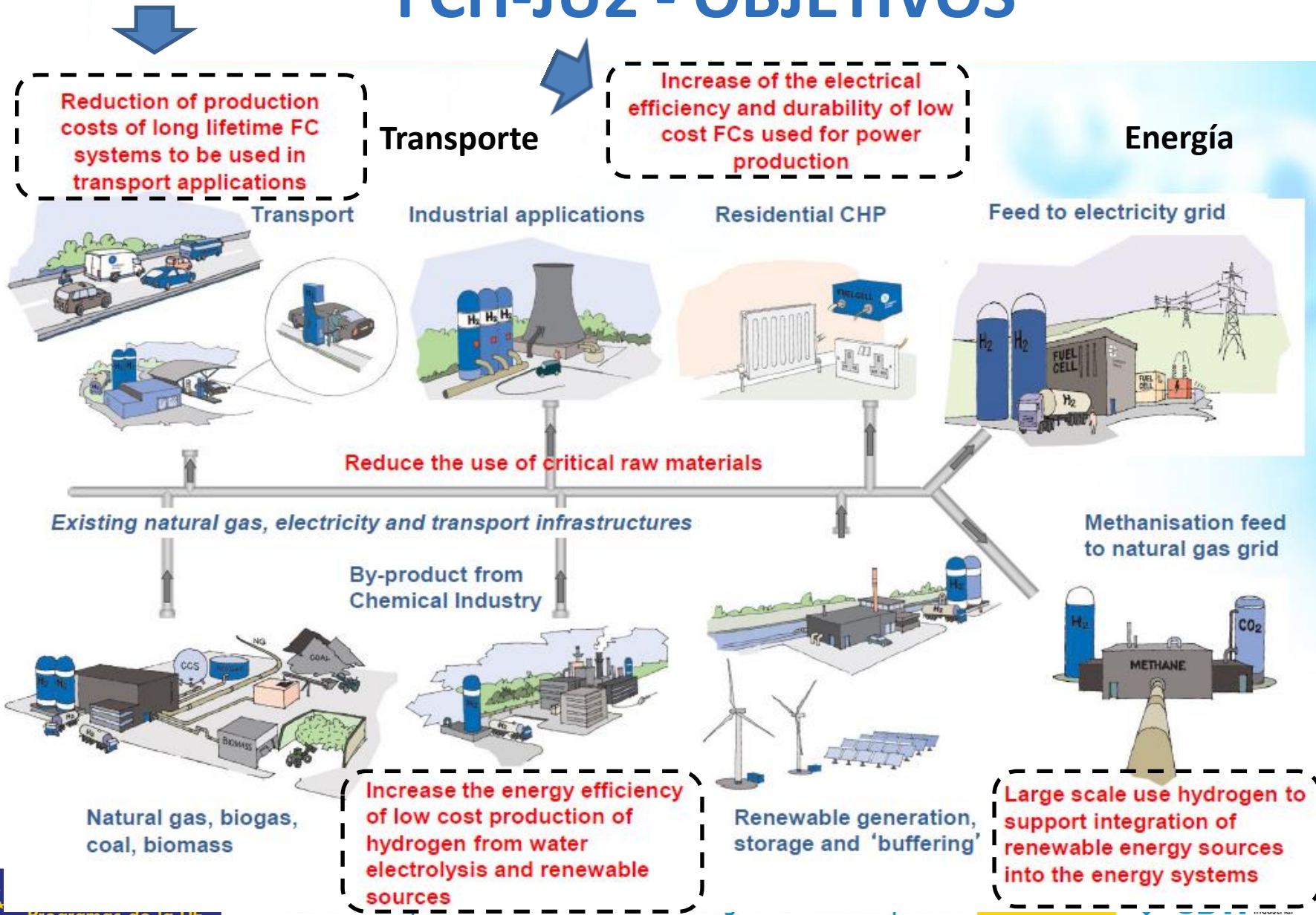




- Multi-annual Work-Plan 2014-2020 (support H2020)
- EU budget: 665 mill. EUR
- Objectives: reduce the (production) **cost**, increase the **lifetime**, increase the **efficiency**, reduce **‘Critical raw materials’**



# FCH-JU2 - OBJETIVOS



# JTI-Public-private partnership with a focused objective



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

# Budget Distribution 2014-2020

BUDGET – 655 M.€	Research and Innovation	Innovation	Total
Transport Pillar	14,5%	33%	47,5%
Energy Pillar	14,5%	33%	47,5%
Cross-Cutting Activities			5%
TOTAL	29%	66%	100%

Call 2014 – Budget 93 M.€  
Call 2015 – Budget 123 M.€  
Call 2016 – Budget 117,5 M.€  
Call 2017 – Budget 116 M.€.  
**Call 2018 – Budget 73,2 M.€.**

- Implemented mainly through calls for proposals
- Follow H2020 Rules of Participation

# PROYECTOS APROBADOS en JTI-FCH

(En VIIPM y en H2020)

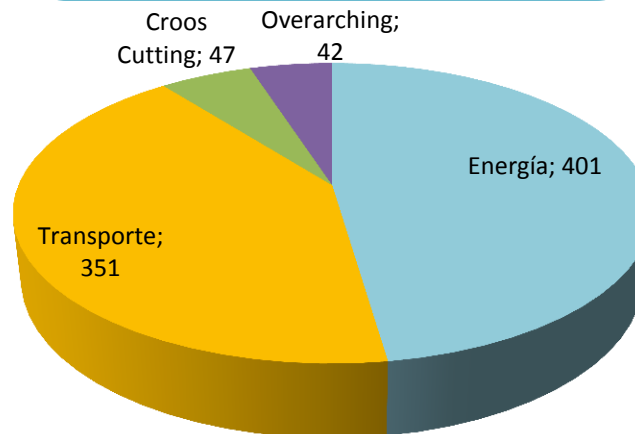
**226** proyectos apoyados con una ayuda concedida de **841 M.€**

Similar cantidad en financiación privada : **886 M.€**

**Cross-Cutting, 37 pr.** (standards, safety, education, consumer awareess,...)

## TRANSPORT – 58pr.

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



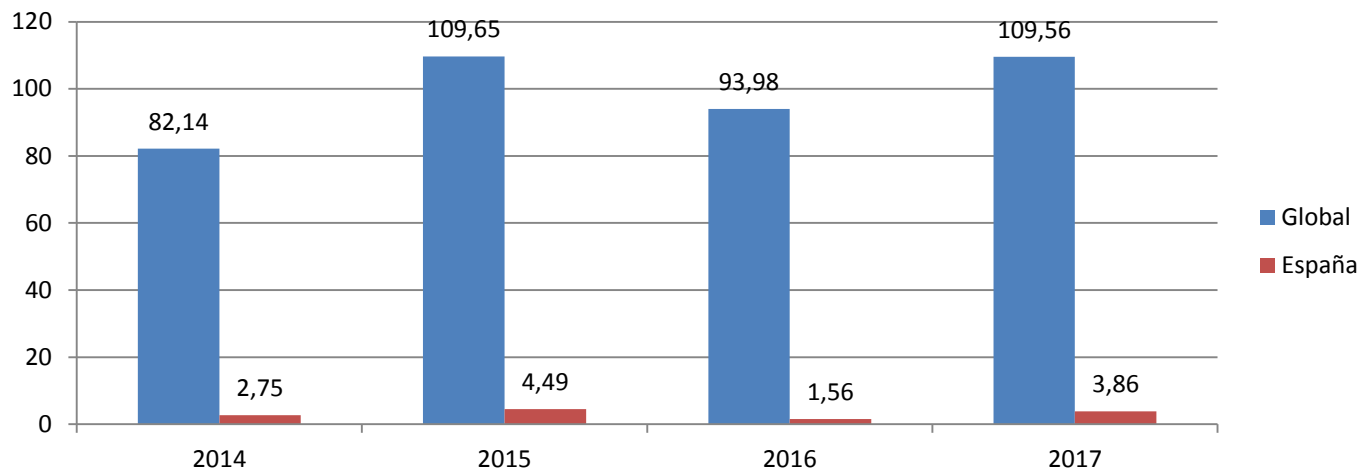
## ENERGY – 128pr.

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

**Cross-Cutting, 3 pr.** (standards, safety, education, consumer awareess,...)



# Resultados Españoles en FCH JU



	2014	2015	2016	2017
<b>Pytos Aprobados Global</b>	15	15	19	22
<b>Particip. ES es pyto</b>	4	7	4	7
<b>% particip. ES en pytos</b>	27%	47%	21%	32%
<b>Particip. Aprob. Global</b>	148	139	170	203
<b>Particip. ES aprobadas</b>	7	16	6	10
<b>% parti. ES</b>	4,7%	11,5%	3,5%	4,9%
<b>Lideres ES</b>	1	4	1	0
<b>Tasa coordinacion</b>	6,7%	26,7%	5,3%	0,0%

+ info sobre programas y ayudas  
para la  
internacionalización de la I+D+I española

[www.eshorizonte2020.es](http://www.eshorizonte2020.es) - [www.cdti.es](http://www.cdti.es)



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