



2016 Call for Proposals



www.fch.europa.eu

Jean-Luc DELPLANCKE
Head of the Program Unit

Agenda of the info-day

PRELIMINARY PROGRAMME – FCH2 JU Info-day – 3rd of February 2016

08:30 – 09:00 Registration

09:00 – 09:15 Welcome address and introduction to FCH2 JU – J.L. DELPLANCKE

09:15 – 09:45 AWP2016 – Transport pillar & Overarching topics – E. GIRON

09:45 – 10:15 AWP2016 – Energy pillar topics – N. LYMPEROPOULOS & D. TSIMIS

10:15 – 10:30 AWP2016 – Cross-cutting topics – A. GARCIA HOMBRADOS

10:30 – 10:45 Q&A session

10:45 – 11:00 Coffee break

11:00 – 11:20 Rules for Participation – L. BOILLOT

11:20 – 12:00 Call conditions & Proposals submission and evaluation – M. ATANASIU

12:00 – 12:15 Q&A session

12:15 – 12:30 Introduction to Industry Grouping and Research Grouping

12:30 – 12:50 National Contact Points

12:50 – 14:00 Lunch

European Climate and Energy Policy Framework



From

The 20-20-20 goals by 2020:

- 20% increase in renewables
- 20% increase in efficiency
- 20% decrease in GHG emissions

To

The EU targets by 2030*

- 27% renewable energy
- 27% improvement of energy efficiency
- 40% reduction in GHG emissions

*European Council conclusions of 23/10/2014

Joint Undertaking – Public Private Partnership

Council Regulations:

521/2008 of 30 May 2008 (FP7)

1183/2011 of 14 November 2011

559/2014 of 6 May 2014 (H2020)

Strong public-private partnership with a focused objective

Fuel Cells & Hydrogen 2 Joint Undertaking



Industry Grouping
HYDROGEN EUROPE
93 members



European Union
represented by the
European Commission



RESEARCH ON FUEL CELLS & HYDROGEN
**Research Grouping
N.ERGHY**
63 members

To bring to the point
of market readiness a
**portfolio of clean,
efficient and
competitive solutions**
based on fuel cells
and hydrogen
technologies in
energy and transport



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

FCH 2 JU objectives

Reduction of production costs of long lifetime FC systems to be used in transport applications

Increase of the electrical efficiency and durability of low cost FCs used for power production

Transport

Industrial applications

Residential CHP

Feed to electricity grid

Reduce the use of critical raw materials

Existing natural gas, electricity and transport infrastructures

By-product from Chemical Industry

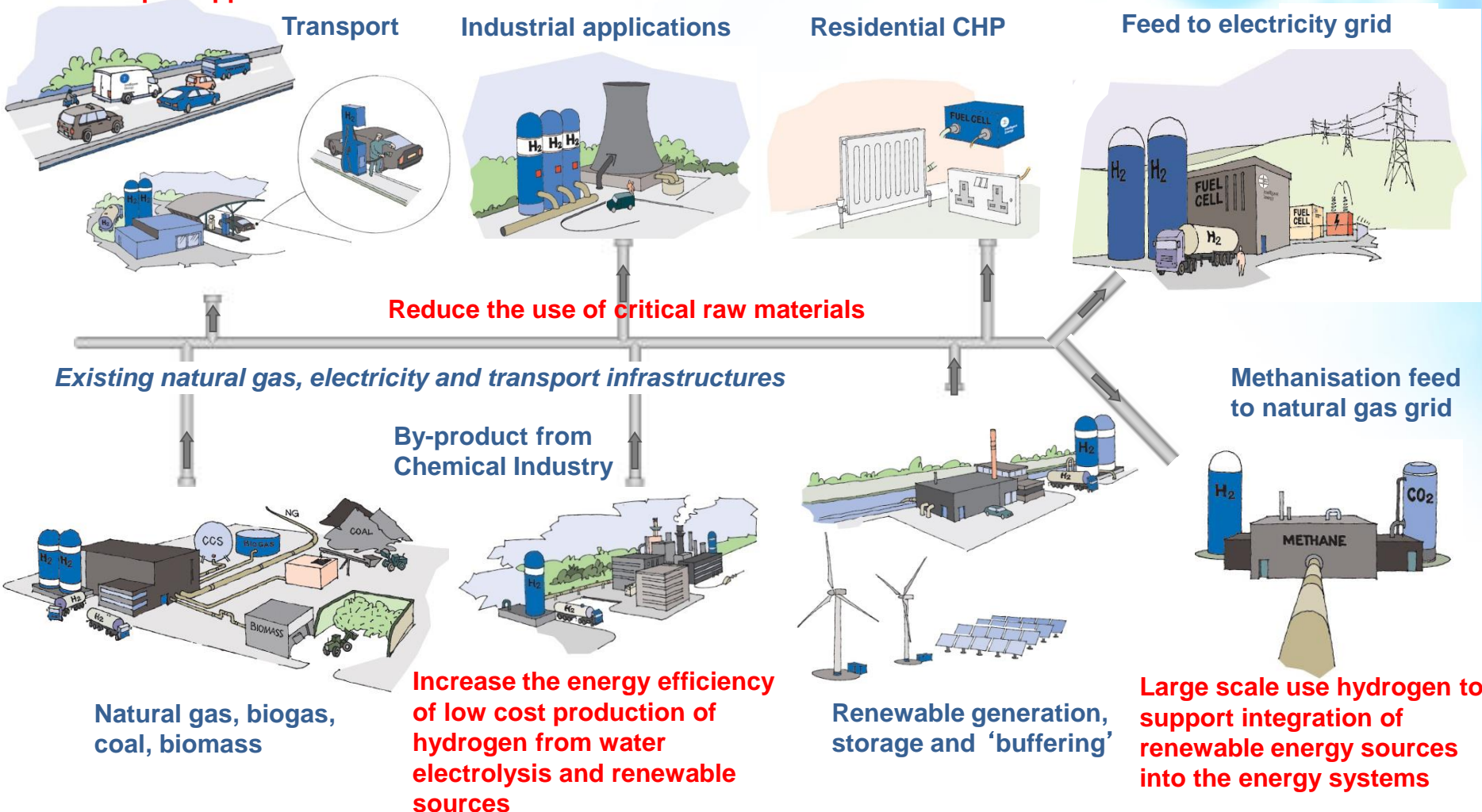
Methanisation feed to natural gas grid

Natural gas, biogas, coal, biomass

Increase the energy efficiency of low cost production of hydrogen from water electrolysis and renewable sources

Renewable generation, storage and 'buffering'

Large scale use hydrogen to support integration of renewable energy sources into the energy systems



FCH 2 JU under Horizon 2020

Two key activity pillars

TRANSPORT

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

ENERGY

- Fuel cells for power and combined heat & power generation
- Hydrogen production and distribution
- Hydrogen for renewable energy generation (incl. blending in natural gas grid)

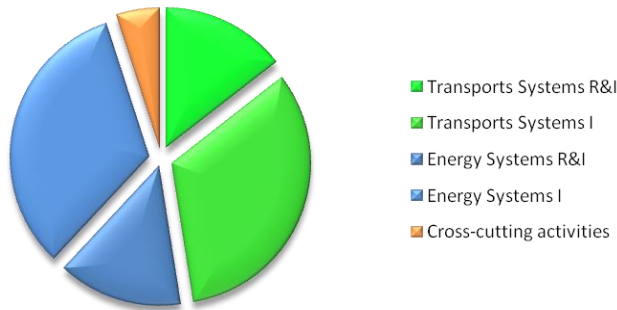
CROSS-CUTTING ISSUES

(e.g. standards, consumer awareness, manufacturing methods, studies)

- More demonstration and market uptake (60% of FCH JU contribution)
- In-kind contributions only from members (or constituent entities)
- At least 3 Member States involved in a project (except support actions)
- Increased Cooperation with National and Regional Initiatives

MAWP 2014-2020 Budget distribution

Funding distribution	Research and Innovation		Innovation		Total	
Transports Systems	94 (± 5)	14.5%	213 (± 10)	33%	307	47.5%
Energy Systems	94 (± 5)	14.5%	213 (± 10)	33%	307	47.5%
Cross-cutting activities					32	5%
Total (MEURO)	192	29%	426	66%	646	100%



Budget of €1.33 billion in 2014 - 2020

Strong industry commitment to contribute inside the programme + through additional investment outside, supporting joint objectives.

2016 Call for Proposals

- Launch: 19 January 2016
- Information Day: 3 February 2015, Auditorium Madou (Brussels)
- Deadline: 3 May 2016
- Evaluation (Experts ?)
 - Remote: 30 May - 15 June 2016
 - Consensus week: 20-24 June 2016
 - Hearings (IA): 27 June - 1 July
- Indicative budget: 117.5 M€



Pillar	Action Type	# Topics	Indicative budget (M€)
Transport	RIA	8	20
	IA	2	37
Energy	RIA	6	16
	IA	5	40
Overarching	RIA	1	2
Cross-cutting	CSA	2	2.5
Totals		24	117.5

Thank you for your attention !

Further info :

- FCH JU : <http://www.fch.europa.eu/>
- HYDROGEN EUROPE : www.hydrogeneurope.eu
- N.ERGHY : <http://www.nerghy.eu>



PRELIMINARY PROGRAMME – FCH2 JU Info-day – 3rd of February 2016

08:30 – 09:00 Registration

09:00 – 09:15 Welcome address and introduction to FCH2 JU – J.L. DELPLANCKE

09:15 – 09:45 AWP2016 – Transport pillar & Overarching topics – E. GIRON

09:45 – 10:15 AWP2016 – Energy pillar topics – N. LYMPEROPOULOS & D. TSIMIS

10:15 – 10:30 AWP2016 – Cross-cutting topics – A. GARCIA HOMBRADOS

10:30 – 10:45 Q&A session

10:45 – 11:00 Coffee break

11:00 – 11:20 Rules for Participation – L. BOILLOT

11:20 – 12:00 Call conditions & Proposals submission and evaluation – M. ATANASIU

12:00 – 12:15 Q&A session

12:15 – 12:30 Introduction to Industry Grouping and Research Grouping

12:30 – 12:50 National Contact Points

12:50 – 14:00 Lunch