

# 6<sup>th</sup> Stakeholder General Assembly of the Fuel Cells and Hydrogen Joint Undertaking

## *“Fuel Cells and Hydrogen: towards a competitive, sustainable Europe”*

Autoworld Museum, Parc du Cinquanteaire 11  
Wednesday 13 November 2013  
Brussels, Belgium

Leading speakers from the fuel cell and hydrogen community will meet on the occasion of the 2013 Stakeholder General Assembly of the Fuel Cells and Hydrogen Joint Undertaking. This high-level forum will mark the 10<sup>th</sup> anniversary of a European strategy for fuel cells and hydrogen and take stock of exciting new developments in the sector. Importantly, it will set out the strategic vision of how fuel cells and hydrogen can help achieve EU 2020 targets.

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### *Fuel cells and hydrogen as core solutions to build a competitive, sustainable economy*

Innovative, low-carbon and cost-effective technologies are urgently needed to address **major challenges** in energy security, climate change and economic growth. Fuel cells and hydrogen belong to core solutions. Their deployment will help build a competitive, secure and sustainable economy as envisioned by the European Energy and Transport policies.

A milestone international conference, organised in Brussels in 2003 in the presence of the President of the European Commission, several Ministers of EU Member States and the US Secretary of Energy, set the **strategic vision** for hydrogen and fuel cells technologies for the decade.

### *From strategic vision to concrete results*

**High-level speakers** from industry, research and the public sector will meet on the occasion of the 2013 Stakeholder General Assembly of the Fuel Cells and Hydrogen Joint Undertaking (FCH JU) to take stock of the achievements of the European strategy and its direction going forward.

Europe has achieved **significant progress**. The sector succeeded in turning its initial vision into **concrete ambition**. It has developed a joint public-private strategy implemented through the Fuel Cells and Hydrogen Joint Undertaking. This programme has provided a unique platform for cooperation, much-needed long-term stability for investment and - with a budget of almost €1 billion – concrete funding support for a portfolio of about 150 projects. The **main results** of this effort and plans for its future will be presented at the SGA.

### *Fuel cells and hydrogen enabling European ambition*

Looking ahead, the SGA will discuss the proposed **continuation of the European FCH programme under Horizon 2020**. Industry, research and the public sector are strongly committed to making fuel cells and hydrogen **key enablers** in achieving EU 2020 targets. **Industry leaders** will present their commitments and call upon European decision-makers to approve the proposal for a Regulation to continue the FCH JU with a total budget of €1.4 billion.

With major FCH **deployment initiatives** being launched internationally, Europe needs to step up its efforts and materialize the potential benefits of fuel cells and hydrogen for its economy. More than **300 European and international stakeholders** will participate in the SGA 2013 to make this event a success.

# PROGRAMME

08:30 – 09:00

Registration & welcome coffee

09:00 – 09:15

OPENING & WELCOME ADDRESS

*“Strategic importance of clean technologies for Europe”*

Hydrogen and fuel cells sector at the forefront of innovation

- *Welcome address:* **Robert-Jan Smits**, Director General of DG Research & Innovation. European Commission

09:15 – 10:40

PANEL I: *“Role of FCH technologies in a joint European approach”*

An exchange between top EU representatives and industry leaders

National energy strategies cannot succeed in isolation. A clear European vision and close coordination between regulatory authorities and industry is needed to create a competitive, secure and sustainable Europe. Political representatives will have an exchange with industry leaders of some of the market's top players on why fuel cells and hydrogen are necessary for a joint European approach.

- *High-level speakers:* **Vladko Panayotov**, MEP and Rapporteur for FCH 2 JU Report  
**Philippe Baptiste**, Strategy Director of the Directorate General for Research at the French Ministry of Research and Higher Education  
**Marc Florette**, Member of the Executive Committee and Director of Research and Innovation, GDF SUEZ  
**Georg Frank**, Senior Manager Fuel Cell Advanced Engineering and Research, Daimler AG  
**Akihito Tanke**, Vice President of Toyota Europe  
**Graham Cooley**, CEO of ITM Power  
**Olivier Onidi**, Director for Innovative and Sustainable Mobility, DG Mobility and Transport, European Commission

- *Followed by Q&A with audience*

10:40 – 11:00

*“Fuel cells and hydrogen in the context of global energy challenges”*

Keynote address

The EC Commissioner for Energy will take stock of the EU state-of-play regarding fuel cells and hydrogen. What are the key achievements so far? What is expected in the next decade? How does the changing global energy context impact policy thinking about innovative technologies?

- *Keynote address:* **Günther Oettinger**, European Commissioner for Energy

11:00 – 11:30

Coffee break & networking

11:30 – 13:00

PANEL II: *“Progress in FCH deployment in Europe and the world”*

Major international initiatives, business cases and research highlights

Geographies such as North America, Japan and Korea are progressing quickly with development and market introduction of advanced FCH applications. The H2USA initiative launched in May 2013, deployment of stationary applications in Japan or production of FCEVs in Korea are among leading examples. What lessons can be learned from these projects? What is the status of H2Mobility,

Europe's leading deployment initiative? To ensure its competitiveness, does Europe need to change gear and boost its FCH policy?

- *High-level speakers:* **Henri Winand**, CEO of Intelligent Energy  
**Yuji Nagata**, Director and Chief Technology Executive of Toshiba Fuel Cell Power Systems and Chairman of the "Stationary FC working group" of the FCCJ, Japan  
**Tobias Brunner**, Head of Hydrogen Fuel Cell, BMW Group  
**Unni M. Steinsmo**, President and CEO of SINTEF  
**John Sheridan**, CEO of Ballard and Chairman of Dantherm Power
- *Followed by Q&A with audience*

13:00 – 14:00

Lunch break & Networking

14:00 – 15:30

**PANEL III: "FCH JU 2008-2013: Key achievements and successes"**  
Presentation of progress reports from FCH JU Review Days 2013

The Fuel Cells and Hydrogen Joint Undertaking launched in 2008 has provided a unique platform for cooperation, investment stability and - with a budget of almost €1 billion - funding support for circa 150 projects. What are the main results of this effort? Key flagship projects? A high-level summary will be presented by the FCH JU Executive Director, followed by reports from the FCH JU Review Days 2013 and an exchange with stakeholders in the audience.

- *Opening presentation:* **Bert De Colvenaer**, Executive Director of the FCH JU
- Rapporteurs from FCH JU Review Days 2013:  
**Florence Lefebvre-Joud**, Chair of FCH JU Scientific Committee, CEA/LITEN, France  
**Daria Vladikova**, Bulgarian Academy of Sciences, Bulgaria  
**Alan Atkinson**, Imperial College of Science, Technology and Medicine, United Kingdom  
**Andreas Dorda**, Federal Ministry for Transport, Innovation and Technology, Austria  
**Lars Sjunnesson**, Senior Consultant, Sweden

- *Followed by Q&A with audience*

15:30 – 16:00

Coffee break & Networking

16:00 – 17:30

**PANEL IV: "Vision 2020: FCH as key enablers of EU objectives"**  
Public-private commitment to FCH development under Horizon 2020

The European Commission has proposed a regulation to continue the FCH JU activities under Horizon 2020. Based on a strong commitment of the public and public stakeholders as well as the research community, the new programme will provide a strong push towards deployment of a portfolio of fuel cells and hydrogen solutions. What are the principles and strategic priorities of this renewed programme? Where will this take Europe by 2020? Members of the partnership will present their joint vision for 2020.

- *Video message:* **Maire Geoghegan-Quinn**, European Commissioner for Research & Innovation
- *FCH JU Members:* **Pierre-Etienne Franc**, Chair of FCH JU Governing Board, Chair of the NEW Industry Grouping, and Vice-President, Advanced Business & Technologies Network, Air Liquide

Fuel Cells Hydrogen Joint Undertaking

Contact: Luciano Gaudio, FCH JU Stakeholder Relationship Manager, [Luciano.Gaudio@fch.europa.eu](mailto:Luciano.Gaudio@fch.europa.eu)  
WA, TO-56, 1049 Brussels, Belgium | Tel: (32-2) 221 81 30, Fax: (32-2) 221 81 26

**Rudolf Strohmeier**, Vice-Chair of FCH JU Governing Board and Deputy Director General, DG Research and Innovation, European Commission

**Paul Lucchese**, Chair of the European Research Grouping of the FCH JU and Vice Chair of AFHYPAC, French association on hydrogen and fuel cells Scientific Directorate of CEA-TECH, Technology Division of CEA, Atomic and Alternative Energies Institute of France

- *Followed by Q&A with audience*

**17:30 – 17:45**

**Conference conclusions**

Bert De Colvenaer, Executive Director of the FCH JU

**Event moderator:**

**Jacki Davis, Journalist and commentator on EU affairs**