

Fuel Cells and Hydrogen

Joint Undertaking

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Joint Undertaking (FCH JU)

4th Stakeholders General Assembly

"Towards the deployment of Fuel Cells and Hydrogen technologies"

*Charlemagne Building
Rue de la Loi 170, B-1000 Brussels*

*Preliminary programme
23 November 2011*



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8h30-9h00

Registration and welcome coffee

Session 1: Decarbonising Europe's economy: a public private effort

Europe has reached a critical stage in achieving its decarbonisation objectives by 2050. Hydrogen and fuel cell technologies are key in that respect. With limited available financial resources and the investment climate under pressure, concerted action between all stakeholders is vital to ensure successful integration of fuel cells and hydrogen in the European energy and transport system. This opening session will set out the context of the conference providing “food for thought” throughout the rest of the day.

9h00-9h20

Welcome, Agenda and outlook of the FCH Sector Ambitions, by Pierre-Etienne Franc, Chairman of the FCH JU Governing Board

Session 2: FCH JU: the first successful SET- PLAN public private partnership

*The Fuel Cells and Hydrogen Joint **Undertaking (FCH JU)** was set up in 2008 as the first public/private partnership under the SET-plan, with a budget of ~1 €bn, shared between the European Commission, Industry and Research sector. In this session, the partners in this joint undertaking will, from experience, discuss what has been achieved so far (2008 – 2011) and look at the future role of public-private partnerships. The session will highlight FCH-JU achievements and breakthroughs and look into areas for further developments, taking into account the Programme review and the 1st Interim Evaluation of the FCH JU.*

9h20-10h20

Panel discussion

Moderator: Bert De Colvenaer , Executive Director of the FCH-JU
Raffaele Liberali , Director of Directorate K - Energy, DG Research and Innovation, European Commission
Tudor Constantinescu , Principal Advisor and Acting Director Directorate A Energy Policy, DG ENER, European Commission
Fotis Karamitsos , Director of Directorate C - Innovative and sustainable mobility, DG Mobility and Transport, European Commission
Paul Lucchese , Director New Energy Technologies, Commissariat à l’Energie Atomique (CEA), Chairman of the N.ERGHY
Knut Harg , Chairman of the Scientific Committee and the Programme review
Bernard Frois , Scientific Advisor CEA Direction of Technology and Chairman of the States Representatives Group

Q&A with the audience (20 min)

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10h20-10h45

Coffee break and networking

Session 3: From Concept to Reality: a concerted approach to integrate FCH technologies into future energy and transport systems

Hydrogen and fuel cells technology has reached a decisive stage. To date, very significant investments have been made by all stakeholders to progress technological development. Regulatory and adequate financing mechanisms are needed to overcome the last obstacles to market entry and encourage early adopters to take the lead. Industrial and political leaders will address questions like: What is needed for market-deployment of clean alternative technologies? How can the public and private sector achieve together a low carbon economy by the integration of these FCH technologies in the future energy and transport system?

10h45- 12h45

Panel discussion

Moderator: Robert McLeod , Mlex
Laure Chapuis , Member of the Cabinet of Mr Siim Kallas, EC Vice-President and Commissioner for Transport
Rudolf Strohmeier , Deputy-Director General, Scientific advances, DG RTD, European Commission
Christian Mohrdieck , Director fuel cells and battery drive development, Daimler AG
Paul Verhoef , Head of the Unit Research and innovative transport systems, DG Mobility and Transport, European Commission
Mike Weston , Director of Operations for Transport for London
Oliver Weinmann , Managing Director of Vattenfall Europe Innovation GmbH

Q&A with the audience (20 min)

13h00-14h30

Lunch and networking

14h45-15h00

Video Vox Populi “Around Brussels to measure the level of awareness about FCH technologies”

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Session 4: International perspective and co-operation

*Fuel Cells and Hydrogen technologies have long been identified as a great opportunity for innovation, economic growth and job creation, as well as a key option for long term emissions reduction. As both advanced and developing countries are investing huge amounts of money to prepare their economies and societies for fuel cells and hydrogen becoming one of the components for a clean energy future, how to ensure **a coherent international approach**? And where do we stand in the international spectrum? Speakers from around the world will share their national visions for FCH technology development and give their perspective on the European state of play.*

15h00-16h30

Panel discussion

Moderator: Bert De Colvenaer , Executive Director of the FCH-JU
Maria da Graça Carvalho , Member of the European Parliament
Walter Podolski , Office of Fuel Cells and Hydrogen technologies, Department of Energy, USA
Seung Young Chung , Fuel cell coordinator of Korea's national green technology roadmap, KETEP Korea Energy Technology Evaluation and Planning
Tadashi Ito , Chief Officer Fuel Cells and Hydrogen Technology Group, NEDO, Japan
Marc Steen , Head of Unit Cleaner energies, DG Joint Research Centre, European Commission
Micol Martinelli , Senior Advisor International Affairs, European Chambers of Commerce and Industry - Eurochambres
Nilgün Parker , Chair of the Steering Committee of the IPHE

Q&A with the audience (20 min)

16h30-17h00

Coffee break and networking

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Session 5: Appropriate regulatory and financial frameworks required to bring innovation – including FCH - to the market

One of the key questions is how to bring innovation to the market. Since the introduction of clean technologies is driven by societal choices rather than economic ones, the market will not cater for change by itself. What is needed to bridge the gap between successful demonstrations to commercial

deployment of clean technologies? How to best combine national, regional and European initiatives? What are the current policy-gaps and how should these be over-come?

17h00- 18h30

Panel discussion

Moderator: Jean Pisani-Ferry , Director of Bruegel Institute
Marc D'hooge , EIB RSFF Programme Manager, Deputy Head of the New Product Development Division, Research, Development and Innovation (RDI)
Pierre-Etienne Franc , Chairman of the NEW-IG
Henri Winand , CEO of Intelligent Energy and Treasurer of the NEW-IG
Georg Zachmann , Research Fellow at Bruegel Institute
Herbert Dorfmann , Member of the European Parliament
Andreas Ziolek , Chairman of HyER - Hydrogen Fuel Cells and Electro-mobility for European Regions and Director of the Network for Fuel Cells and Hydrogen of North Rhine-Westphalia.

Q&A with the audience (20 min)

18h30-18h45

Closing: Bert De Colvenaer, Executive Director of the FCH JU