



FUEL CELLS
AND HYDROGEN
JOINT UNDERTAKING



FCH 2 JU & S2R JU: HYDROGEN TRAIN WORKSHOP

Hosted by HyER

Monday 15th. May 2017

Norway House, Rue Archimede, Brussels

Draft agenda

- 10.00** Registration and Coffee
- 10.30** Welcome and Introduction by Matthew Baldwin, Deputy Director-General, DG MOVE (TBC)
- 10.40** **FUEL CELL APPLICATIONS FOR RAILWAYS – ADDRESSING THE CHALLENGE**
Keynote Speakers:
Bart Biebuyck, Executive Director, FCH-JU
Carlo Borghini, Executive Director, Shift2Rail JU
UIC representative (TBC)
Councillor Barney Crockett, President of HyER
Round Table Discussion Moderated by Jon Jordan, HyER
- 11.40** **ADAPTING THE TECHNOLOGY**
Fuel Cells for Rail Applications
Oben Uluc, Sales Director, Ballard Power Systems
Harnessing Renewable Energy Storage and Powering Fleets for Heavy Mobility
Mark Kammerer, Business Sales Manager, Hydrogenics
Needs and experiences from the Railway sector
Freight case: Andrea Mazzone, Bombardier Transport (TBC)
Regional case: Michael Ritter, Business Development Team, Alstom
Questions and Answers

13.15 *Lunch*

14.00 **CASE STUDIES**

Hydrogen Trains Potential in Groningen

Rene Herder, Province of Groningen

Alternative Railway Electrification in Norway

Dr Steffen Moller-Holst, Vice President, SINTEF

Hydrogen Trains in Lower Saxony

Tobias Merten, Head of Traffic & Transport Innovation, EY Mobility Innovation

Questions and Answers

15.00 *Coffee break*

15.30 **PANEL DISCUSSION**

“From Study to Implementation” – panel made up from manufacturers-system integrator/s (SIEMENS, CAF), infrastructure manager-railway operator/s (SNCF, DB), research centre (DLR) and local authorities. Speakers TBC

Moderated by Jorgo Chatzimarkakis, Secretary-General, Hydrogen Europe (TBC)

16:50 **CLOSING NOTES BY FCH/S2R/DG MOVE**

17.00 **Drinks Reception**