Country Update – United Kingdom 2015

Significant policy-related developments

• UKH2Mobility and the Government response
• Invitation to tender for the Hydrogen Town project (now closed)
• H2TINA for transport
• Hydrogen’s Value in the Energy System (HYVE)
• The Fuel Cell Industry Review 2014
• FCH-JU Electrolyser Study
UKH2 Mobility and the Government Response

- HyTAP - a significant first step towards the provision of a national hydrogen refuelling infrastructure.
- £11m funding to support 15 hydrogen refuelling stations and 40 fuel cell vehicles.
Country Update – United Kingdom 2015

Invitation to tender for the Hydrogen Town project (now closed)

• Desk study to investigate and compare 4 technology solutions to replace the use of natural gas in an actual UK town of around 10-15,000 population.

• The solutions to be investigated are hydrogen, hybrid heat pumps, electric heat pumps and heat networks.

22nd IPHE SC Meeting Rome, Italy
H2TINA for transport

- Technology Innovation Needs Assessment (TINA) prepared for the Low Carbon Innovation Coordination Group.

- [www.lowcarboninnovation.co.uk](http://www.lowcarboninnovation.co.uk)
Hydrogen’s Value in the Energy System (HYVE)

• A 3 year project being undertaken by UCL and the Universities of Reading and Edinburgh.

• To examine the use of hydrogen for load balancing in an electricity system with a high penetration of renewable electricity, the value of hydrogen as a transport fuel, and as a fuel for zero-carbon heat generation.
Country Update – United Kingdom 2015

The Fuel Cell Industry Review 2014

- E4tech takes on the annual fuel cell industry review following the withdrawal of Fuel Cells Today.

FCH-JU Electrolyser Study

- *Development of Water Electrolysis in the European Union*, by E4tech Sarl and Element Energy was published on 7 February 2014.

- Available as a free download from the FCH-JU website.
Review IPHE

- What have been the most valuable aspects or outcomes of IPHE?
- What is your greatest need that can be addressed through IPHE?
- List top 3 actions/next steps to be undertaken through IPHE.
- List at least one specific action you would be willing to support.
Country Update – United Kingdom 2015

What have been the most valuable aspects or outcomes of IPHE?

• Exchanging information.
• The first roundtable with stakeholders (Berlin, 17 November 2011)
• The workshop on energy storage technologies (Seville, 15-16 November 2012).
What is your greatest need that can be addressed through IPHE?

• Good quality analytical data which is credible, and to a lesser extent, policy recommendations based on such data.
Country Update – United Kingdom 2015

List top 3 actions/next steps to be undertaken through IPHE. List at least one specific action you would be willing to support.

- No specific suggestions at this stage, and not prepared to commit to support. Discussion required. What can the IPHE do which cannot be done by some other organisation(s)?
Country Update – United Kingdom 2015

Thank you

Ray Eaton
Head of Hydrogen and Fuel Cells Policy
Department of Energy and Climate Change
3 Whitehall Place
London SW1A 2AW
Tel: + 44 (0) 300 068 6139  e-mail ray.eaton@decc.gsi.gov.uk