

Country Update – United Kingdom

Policy framework

- Funding schemes there are a number of public funding bodies in the UK which support energy research. The Low Carbon Innovation Coordination Group (LCICG) coordinates these efforts. A Strategic Framework was published in February 2014 and is available on the website - www.lowcarboninnovation.co.uk
- Funding volumes: A total of £13.5m of public funding was allocated to hydrogen and fuel cells R&D in the UK in the financial year 2012/13. The percentage level of funding depends on the funding programme and the nature of the recipient organisation (and is subject to EU State Aid rules).
- Road maps with support from the Technology Strategy Board, work is underway to prepare a UK Hydrogen and Fuel Cells Roadmap. An initial workshop was held on 24th April 2014.

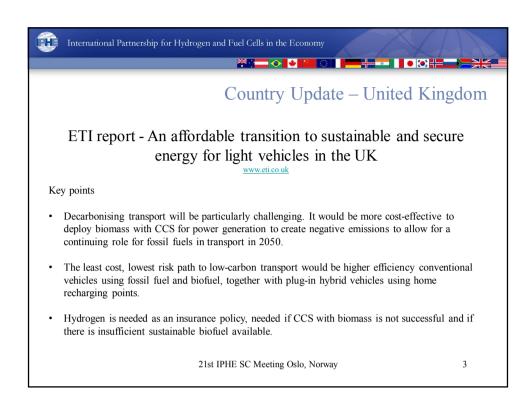
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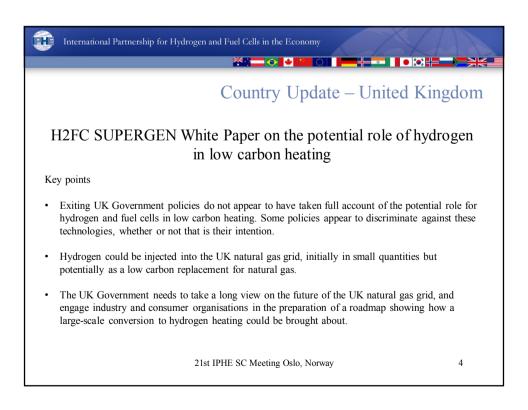
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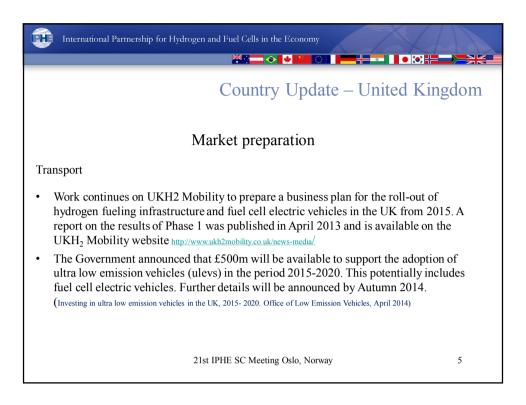


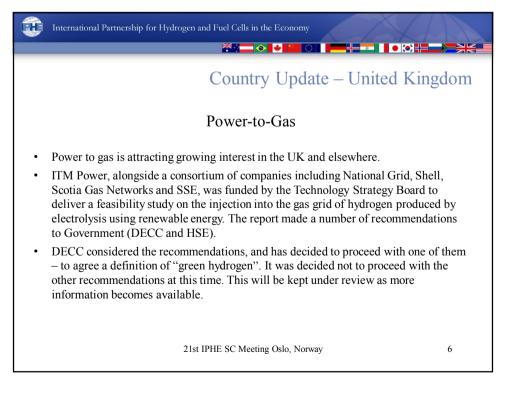
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Recommendations to DECC

- Form a Power to Gas working group of stakeholders
- Review the inclusion of hydrogen from electrolysis in the Renewable Heat Incentive (RHI)
- Initiate a consultation/call for evidence on injection of hydrogen into the gas grid
- Ditto on power to gas energy storage in the UK
- Include Power to Gas in the 2050 Pathways Analysis
- Agree a definition of "green hydrogen", e.g that recommended by TUV (50gCO₁₂/kWh)

Recommendations to HSE

- Review the current hydrogen limit of 0.1%
- Standardise the procedure for exemption under the current rules
- Form a standards working group specifically looking at hydrogen in the gas grid
- Identify the requirements for adopting a much higher concentration of hydrogen in the 2020s

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