



International Partnership
for Hydrogen and Fuel Cells
in the Economy

European Commission Update

36th IPHE Steering Committee Meeting

16 – 17 November 2021

Virtual Meeting

Announcements / New Initiatives *European Commission*



- Adoption on 14 July 2021, of the **‘fit-for-55’ package**, presenting a coherent revision of the key instruments of the 2030 climate and energy package, in view of achieving a climate-neutral Europe by 2050.
- Revision of **Renewable Energy Directive** (RED-II aiming at increasing the EU’s renewables target from the current 32% to 38-40%, in line with the 2030 Climate Target Plan)
 - The proposal lays down measures to increase the share of renewables in all sectors of the economy (heating and cooling, transports, but also industry) and strengthen the sustainability criteria for biomass use.
- Specific sub-targets for the consumption of renewable H2 for hard-to-decarbonise applications in:
 - Industry Sector: 50% by 2030
 - Transport Sector: 2.6% by 2030



Announcements / New Initiatives *European Commission*



- **Alternative Fuels Infrastructure Directive (AFID):**
 - To have at least 1,000 hydrogen stations by 2030 and half of them by 2025.
 - It will also mandate technical specifications for hydrogen refuelling infrastructure.
- **The Hydrogen and gas markets decarbonisation package** - To be adopted on 14 December 2021:
 - Facilitating the integration of renewable and low-carbon gases in the existing gas grid. This concerns biomethane injected at the distribution level, gas quality in the existing networks, access of renewable gases to LNG terminals.
 - Enabling the development of dedicated hydrogen infrastructure and market, allowing hydrogen to become a key component of the energy sector.
 - Fostering more integrated network planning between electricity, gas and hydrogen networks.
 - Will include terminology and certification of low-carbon hydrogen.



Announcements / New Initiatives *European Commission*



- The **Innovation Fund** provides critical support for the commercial demonstration of innovative low-carbon technologies in multiple sectors. H2 very prominent in first call of proposals.
 - Co-funding with €1.1bn of 7 large-scale projects:
 - A green steel plant that is being built in Sweden and using green hydrogen
 - The production of e-fuels from hydrogen at the largest refinery in Finland
 - The production of low-carbon hydrogen in the Port of Antwerp using CCS technologies.
- Deployment activities: **The Clean Hydrogen Alliance**, to develop a pipeline of investment projects. To be published during the European Hydrogen forum on 30 November 2021.
- Science for Policy Brief on **Assessment of Hydrogen Delivery Options**: to assess and rank the various transport options. https://ec.europa.eu/jrc/sites/default/files/jrc124206_assessment_of_hydrogen_delivery_options.pdf
- **Hydrogen Week** : 29 Nov – 3 Dec 2021 <https://www.fch.europa.eu/content/european-hydrogen-week-2021>



Thank you



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