

Hydrogen in the Energy Transition | Cover the Basics

References

Abnett, (2020). Euro should be global standard for hydrogen trades, EU says, Reuters,

<https://www.reuters.com/article/us-eu-hydrogen-currency-idUSKBN2A137Z>

Agora Energiewende, AFRY Management Consulting, 2021. No-regret hydrogen: Charting early steps for H2 infrastructure in Europe,

<https://www.agora-energiewende.de/en/publications/no-regret-hydrogen/>

Clean Hydrogen Partnership, (2022). Call for proposals 2022,

https://www.clean-hydrogen.europa.eu/apply-funding/call-proposals-2022/call-proposals-2022_en

Conti, Jones, Kneebone and Piebalgs, (2021). Diversifying risk and maximising synergies in hydrogen technologies: the case of methane pyrolysis,

<https://fsr.eui.eu/publications/?handle=1814/72003>

Dos Reis, P.C., (2021a). Hydrogen demand: several uses but significant uncertainty, FSR blog post, available at

<https://fsr.eui.eu/hydrogen-demand-several-uses-but-significant-uncertainty/>.

Dos Reis, P.C., (2021b). 'Clean' hydrogen production: a nascent market and several promising technologies, FSR blog post, available at

<https://fsr.eui.eu/clean-hydrogen-production-a-nascent-market-and-several-promising-technologies/>.

EC, (2022a). REPowerEU: Joint European Action for more affordable, secure and sustainable energy,

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:52022DC0108>

EC, (2022b). REPowerEU Plan,

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM%3A2022%3A230%3AFIN&qid=1653033742483>

EC, (2022c). Draft Delegated Act establishing a Union methodology setting out detailed rules for the production of renewable liquid and gaseous transport fuels of non-biological origin,

https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/7046068-Production-of-renewable-transport-fuels-share-of-renewable-electricity-requirements_en

EC, (2022d). Draft Delegated Act establishing a minimum threshold for greenhouse gas emissions savings of recycled carbon fuels and by specifying a methodology for assessing greenhouse gas emissions savings from renewable liquid and gaseous transport fuels of non-biological origin and from recycled carbon fuels,
https://ec.europa.eu/info/law/better-regulation/have-your-say/initiatives/12713-Renewable-energy-method-for-assessing-greenhouse-gas-emission-savings-for-certain-fuels_en

EC, (2021a). Hydrogen and decarbonised gas market package,
https://energy.ec.europa.eu/topics/markets-and-consumers/market-legislation/hydrogen-and-decarbonised-gas-market-package_en

EC, (2021b). Proposal for a Regulation on the internal markets for renewable and natural gases and for hydrogen,
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM%3A2021%3A804%3AFIN&qid=1640001545187>

EC, (2021c). Proposal for a Directive on common rules for the internal markets in renewable and natural gases and in hydrogen,
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A52021PC0803&qid=1640002501099>

EC, (2020a). EU Hydrogen Strategy,
<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:52020DC0301&from=EN>

EC, (2020b). An EU Strategy for Energy System Integration,
<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=COM:2020:299:FIN>

EC, (2020c). Europe's moment: Repair and Prepare for the Next Generation.
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=COM:2020:456:FIN>

European Parliament (EP), (2021). The potential of hydrogen for decarbonising EU industry, Panel for the Future of Science and Technology,
[https://www.europarl.europa.eu/RegData/etudes/STUD/2021/697199/EPRS_STU\(2021\)697199_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/STUD/2021/697199/EPRS_STU(2021)697199_EN.pdf)

International Energy Agency (IEA), (2020). World Energy Outlook,
<https://iea.blob.core.windows.net/assets/a72d8abf-de08-4385-8711-b8a062d6124a/WEO2020.pdf>

International Energy Agency (IEA), 2019. The Future of Hydrogen,
<https://www.iea.org/reports/the-future-of-hydrogen>

International Renewable Energy Agency (IRENA), (2021). World Energy Transition Outlook, 1.5°C Scenario,
<https://irena.org/publications/2021/Jun/World-Energy-Transitions-Outlook>

Florence School of regulation - FSR Energy
International Renewable Energy Agency (IRENA), (2022). Geopolitics of the
Energy Transformation: The Hydrogen Factor,
<https://irena.org/publications/2022/Jan/Geopolitics-of-the-Energy-Transformation-Hydrogen>

Jones, C. and Piebalgs, A., 2020. A proposal for a Regulatory Framework for
Hydrogen. RSCAS Policy Brief 2020/37.
https://cadmus.eui.eu/bitstream/handle/1814/68779/PB_2020_37_FSR.pdf?sequence=1

Jones and Piebalgs, (2020). A proposal for a Regulatory Framework for
Hydrogen. RSCAS Policy Brief 2020/37.
https://cadmus.eui.eu/bitstream/handle/1814/68779/PB_2020_37_FSR.pdf?sequence=1

Kneebone, (2021a). A first look at the EU Hydrogen and Decarbonised Gas
Markets Package,
<https://fsr.eui.eu/a-first-look-at-the-eu-hydrogen-and-decarbonised-gas-markets-package/>

Kneebone, (2021b). Lifting the lid on the first initiative of the EU Hydrogen
Strategy: the European Clean Hydrogen Alliance,
<https://fsr.eui.eu/lifting-the-lid-on-the-first-initiative-of-the-eu-hydrogen-strategy-the-european-clean-hydrogen-alliance/>

Luidold and Antrekowitsch, (2007). Hydrogen as a reducing agent: State-of-the-art
science and technology. <https://doi.org/10.1007/s11837-007-0072-x>

Piebalgs, A. and Jones, C., 2021. Hydrogen regulation under time pressure, FSR
blog post, available at <https://fsr.eui.eu/hydrogen-regulation-under-time-pressure/>.

Statista, (2021). Carbon dioxide (CO₂) emissions in the European Union from
1965 to 2020 (in million metric tons of CO₂),
<https://www.statista.com/statistics/450017/co2-emissions-europe-eurasia/#:~:text=The%20European%20Union%20produced%20approximately,at%203.99%20billion%20metric%20tons>

Wang, A., van der Leun, K., Peters, D. and Buseman, M., 2020. European
Hydrogen Backbone,
https://gasforclimate2050.eu/wp-content/uploads/2020/07/2020_European-Hydrogen-Backbone_Report.pdf