

IRENA Policy Talks 2021

Green hydrogen supply: Policies and practical insights

13:00-14:30 (GST), 27 May 2021

Green hydrogen has emerged as a viable solution to decarbonising hard-to-abate sectors and as a key enabler of the transition toward net-zero emissions.

The last two years have witnessed increased momentum for green hydrogen, with many countries around the world implementing national hydrogen strategies or announcing their intentions to do so. Measures to support green hydrogen have even been included in post-COVID-19 recovery packages. Investors and the private sector are also making strategic investments in green hydrogen and forming cross-sector partnerships to drive down costs and create greater economies of scale for green hydrogen technologies.

However, the development of a green hydrogen sector is still in the very early stages and the supply chain is minimal. Several barriers, such as the high cost of green hydrogen compared to non-renewable alternatives and the lack of dedicated infrastructure, are still impeding its full contribution to the low-carbon energy transition. Since the green hydrogen sector is expected to have an international dimension with countries already planning intercontinental trade, action is also needed to create national, regional and global markets for the commodity.

This second session of the Policy Talks 2021 will present key findings of two new hydrogen reports.

The IRENA report “Green hydrogen supply: A guide to policy making” examines the challenges for the production and transportation of green hydrogen, and the policies needed to support them. Targets, tariffs, auctions, tax exemptions, and other measures can ensure a sufficient supply of renewable electricity, boost demand for green hydrogen and its derivatives, and create the needed infrastructure to store and transport hydrogen. The report also presents a roadmap to adopt such policies in the right moment as the green hydrogen sector grows.

The IRENA Coalition for Action white paper “Practical insights on green hydrogen” draws from on the ground experiences and showcases green hydrogen projects across different end-uses, provides insights from a renewable energy industry perspective on growth opportunities, and offers recommendations to policy makers to accelerate its adoption worldwide.

This session will gather public and private stakeholders to discuss key opportunities and challenges in scaling up green hydrogen, focusing on the role of supply-side policies. The webinar will also highlight successful examples of companies that are developing projects to build technical capacity and showcase the potential to scale up green hydrogen uptake in energy-intensive, hard-to-abate sectors.

AGENDA:

13:00 – 13:05 (GST)	Welcome remarks Francesco La Camera, Director-General, IRENA
13:05 – 13:30 (GST)	Green hydrogen supply: A guide to policy making Emanuele Bianco, Programme Officer, KPFC, IRENA Coalition for Action: Practical insights on green hydrogen Elvira López Prados, Head of CEO Office – Energy, ACCIONA
13:30 – 14:25 (GST)	Panel discussion Moderator: Frank Wouters, Director of EU GCC Clean Energy Technology Network Panellists: <ul style="list-style-type: none">• Martin Pei, Executive Vice President and Chief Technology Officer, SSAB• Mika Ohbayashi, Director of Renewable Energy Institute• Millán García-Tola, Director of Hydrogen Unit at Iberdrola• Jet Yao, Senior Manager of China Hydrogen Alliance Q&A from the audience
14:25 – 14:30 (GST)	Closing remarks Ute Collier, Head of Policy and Renewable Energy Markets Unit, KPFC, IRENA