

## PRESS STATEMENT

### Clean Hydrogen with CCS Can Play a Key Role in Europe's Energy Transition

**Brussels, April 25** – The European Zero Emissions Technology & Innovation Platform (ZEP) has today launched a new report on the "[Commercial Scale Feasibility of Clean Hydrogen](#)". This concludes that clean hydrogen, produced from natural gas and fitted with CO<sub>2</sub> capture and storage (CCS), can help decarbonise different sectors within the energy system and enable the shift to a low-carbon economy. Additionally, by locating hydrogen production and CCS facilities in sustainable industrial zones, we can boost the development of industrial CCS clusters that share CO<sub>2</sub> transport and storage infrastructure.

Today, MEPs will exchange views on the newly-proposed Electricity Market Design in the European Parliament's Committee on Industry, Research and Energy (ITRE). One area for reform is the rising share of variable renewable energy in the electricity system. ZEP's report demonstrates the key role clean hydrogen equipped with CCS can play in providing reliable and clean base load power to realise Europe's renewable energy demand.

Commenting on the report, Dr. Graeme Sweeney, Chairman of ZEP, said:

*"More and more countries are recognising the potential for low-cost clean hydrogen to contribute to the decarbonisation of the energy system, including in the heat, power and transport sectors. Our analysis shows that hydrogen production fitted with CCS has lower costs today than electrolysis-derived hydrogen and could play a major role in kick-starting a European hydrogen economy."*

*The technologies required to produce clean hydrogen from natural gas with CCS are available today and a number of projects are already operating at a commercial scale. To enable the wider deployment of this technology, Europe needs to invest in CO<sub>2</sub> transport and storage infrastructure, as well as developing the necessary hydrogen infrastructure and adaptations at points of use.*

*CCS is vital to achieving Europe's climate goals, providing the only decarbonisation option for most energy intensive industries and delivering significant benefits to society. We now need to move forward in building the cross-border CO<sub>2</sub> infrastructure necessary to realise sustainable industrial zones and generate jobs across the European economy."*

#### Notes to Editors:

##### [ZEP](#)

Founded in 2005, the European Zero Emission Technology and Innovation Platform (ZEP) is a unique coalition of European oil and gas companies, equipment suppliers, scientists, academics and environmental NGOs united in their support for CO<sub>2</sub> Capture and Storage (CCS) as a key technology for combating climate change. ZEP serves as advisor to the European Commission on the research, demonstration and deployment of CCS.

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