

SEMINAR

FROM HYPE TO TRUST: BUILDING THE RULES, STANDARDS, AND SAFETY PROTOCOLS FOR CLEAN HYDROGEN

27TH APRIL 2026



VENUE

H-207-208-209
United Nations Economic
Commission for Europe
Palais des Nations,
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THE CONTRIBUTION FROM THE RESEARCH INSTITUTE FOR SUSTAINABILITY (RIFS) TO THIS EVENT IS SUPPORTED BY THE GERMAN FEDERAL FOREIGN OFFICE WITHIN THE PROJECT 'GEOPOLITICS OF THE ENERGY TRANSFORMATION: SUSTAINABILITY GOVERNANCE IN THE HYDROGEN SECTOR' (GET SUSTAINABLE HYDROGEN).



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Clean hydrogen is moving from pilot projects to large-scale deployment, but bottlenecks are no longer only technological – they are regulatory, standardisation, and safety-related. Policymakers, industry, and financiers face fragmented frameworks across countries and regions, slowing investment and cross-border trade. Without harmonised standards, certification schemes, and clear safety protocols, hydrogen risks becoming a patchwork market, undermining cost competitiveness and public trust.

This seminar explores how regulations, standards, and safety interlink and what is needed to build a robust, trusted hydrogen economy. The logical flow is as follows: regulations set the enabling framework, standards ensure interoperability and credibility across borders, and safety builds public trust and operational resilience. Together, they are the triple foundation for scaling clean hydrogen.

PROGRAMME

10:00 WELCOME ADDRESS & INTRODUCTION

KEYNOTE SPEECH

SESSION 1: REGULATIONS

- Do today's hydrogen policies accelerate or slow down investment – and why?
- If you could change one regulation tomorrow to speed hydrogen adoption, what would it be?
- How can regulatory frameworks better align across borders to enable cost-effective hydrogen trade?

Discussion: What regulatory certainty is required to unlock investment?

12:30 LUNCH

SESSION 2: SUSTAINABILITY STANDARDS

- How can sustainability standards ensure transparent and credible hydrogen certification across regions?
- What role should lifecycle emissions accounting play in defining 'clean' hydrogen?
- How can standards evolve to remain technology-neutral while ensuring environmental integrity?

Discussion: How can harmonised sustainability standards support global market formation?

COFFEE AND NETWORKING

SESSION 3: SAFETY STANDARDS

- How can safety frameworks enable public and stakeholder trust in hydrogen technologies?
- What role do harmonised standards play in scaling hydrogen production, transport, and storage?
- How can safety management systems evolve with new hydrogen technologies and business models?

Discussion: How can strong safety frameworks reinforce trust and scalability?

17.00 CLOSING REMARKS

INVITED PARTICIPANTS

HYDROGEN COUNCIL, RAG AUSTRIA, SNAM, VNG AG, AIRBUS, MITSUI O.S.K. LINES, EXXONMOBIL, SHELL, BP, ARAMCO, LH2 EUROPE, HYDROGENIOUS LOHC, H2GLOBAL, DG ENER, DG CLIMA, EUROPEAN COMMISSION, EIB, EBRD, ARCELORMITTAL, STEGRA, SALZGITTER, GRUPA AZOTY, JERA, UNIPER HYDROGEN, H2EART FOR EUROPE, PTX HUB, ENAPTER, SUNFIRE, BLOOMBERG NEF, ORLEN, SLB, E.ON, EQUINOR, KAPSARC, JOHNSON MATTHEY, & MORE