



# Scaling up Clean Hydrogen in the UNECE Region

## Session V – 30<sup>th</sup> Session of the Committee on Sustainable Energy

24 September 2021, 10h00 – 11h30 CEST (Geneva time)

**Objective:** Inform the Committee on current and future hydrogen projects in the UNECE region. Identify how to scale them across the region towards a “hydrogen ecosystem”.

**Context:** A future carbon-neutral society may be built upon a hydrogen ecosystem (one in which hydrogen is used not only as a chemical feedstock, but also as an energy carrier and storage medium, with many applications in transport, industry, power generation, and buildings). Three intertwined trends are crucial: 1) shift the production of hydrogen to more sustainable and cleaner patterns; 2) transform certain industrial users to directly use hydrogen; iii) build sufficient hydrogen storage to provide energy security at national and regional levels.

**Audience:** Policymakers, experts, and key stakeholders from the UNECE region.

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### 10h00 Setting the scene (5min)

Francisco de la Flor Garcia, Chair of the Group of Experts on Gas

### 10h05 Case Studies from the UNECE region (30min)

- What is the space and status of hydrogen development in the UNECE countries?
- Which technologies and business models are emerging?
- What works and where are identified barriers?
- What are possible solutions and lessons learned?

### Transition to carbon neutrality on small islands through hydrogen: GREEN HYSLAND, Deployment of a H2 Ecosystem on the Island of Mallorca

María Jaén, Green Hysland Coordinator, Enagas

### Assessing Hydrogen Value Chain- Distribution

Eva Hennig, Leiterin Energiepolitik EU, Thüga

### The United Kingdom’s Hydrogen Strategy

Sophie Sauerteig, the International Hydrogen Strategy team, United Kingdom

### Clean hydrogen production pathways: Pyrolysis in Russia

Konstantin Romanov, CEO, Gazprom Hydrogen

### 10h40 – 11h20 Moderated discussion & Interventions by member States

Moderator:

Florian Marko, Co-Chair of the Task Force on Hydrogen and the Vice-Chair of the Group of Experts on Gas

11h30 – Wrap up & next steps