

HYDROGEN DEVELOPMENT FORUM – CONNECTING TO HYDROGEN NETWORK

Helsinki, 23 September 2025

@Gasgrid



Henriikka Pilpola

Project Developer, Hydrogen
Development
Gasgrid



10:00 Event begins

Welcome

Henriikka Pilpola, Project Developer, Hydrogen Development, Gasgrid

Sara Kärki, SVP, Hydrogen Development, Gasgrid

From EU plans to national action: Engaging market players in hydrogen development

Abel Enríquez, Director, ENNOH

Christian Rutherford, Chief Economist, Hydrogen Development, Energinet

Arto Rajala, Senior Ministerial Adviser, MEAEF

Hydrogen network development and information package

Henriikka Pilpola, Gasgrid

Elina Mäki, Project Manager, RDI, Hydrogen Development, Gasgrid

11:00 Light lunch and Information package discussions

12:30 Mini panel

Abel Enríquez, ENNOH

Christian Rutherford, Energinet

Heli Virkki, Head of Hydrogen Valley Development, Gasgrid

Sara Kärki, Gasgrid

12:45 Launch of consultations

Henriikka Pilpola & Elina Mäki, Gasgrid

12:50 Closing words

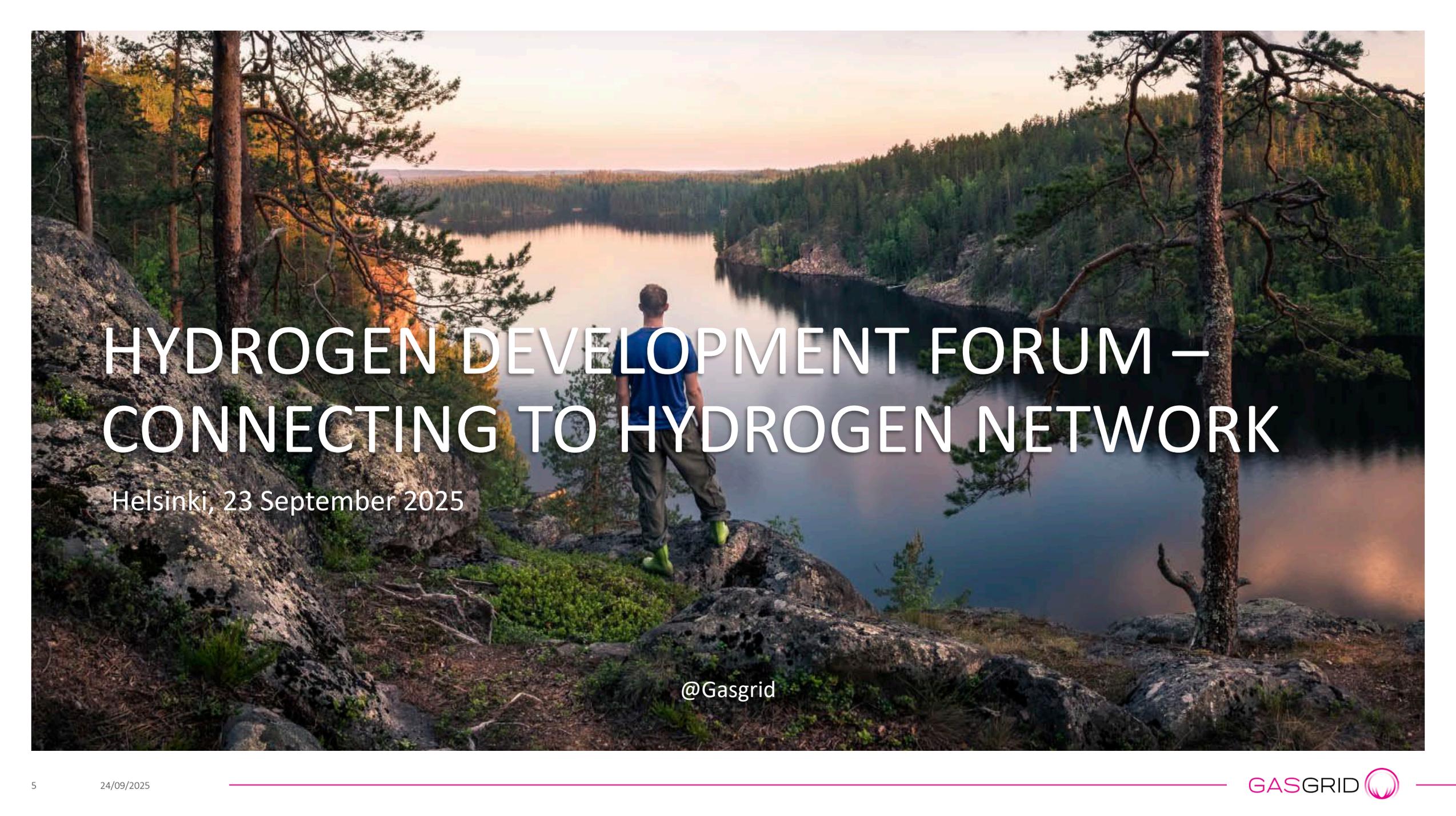
Sara Kärki, Gasgrid

13:00 Event ends



Sara Kärki

SVP, Hydrogen Development
Gasgrid



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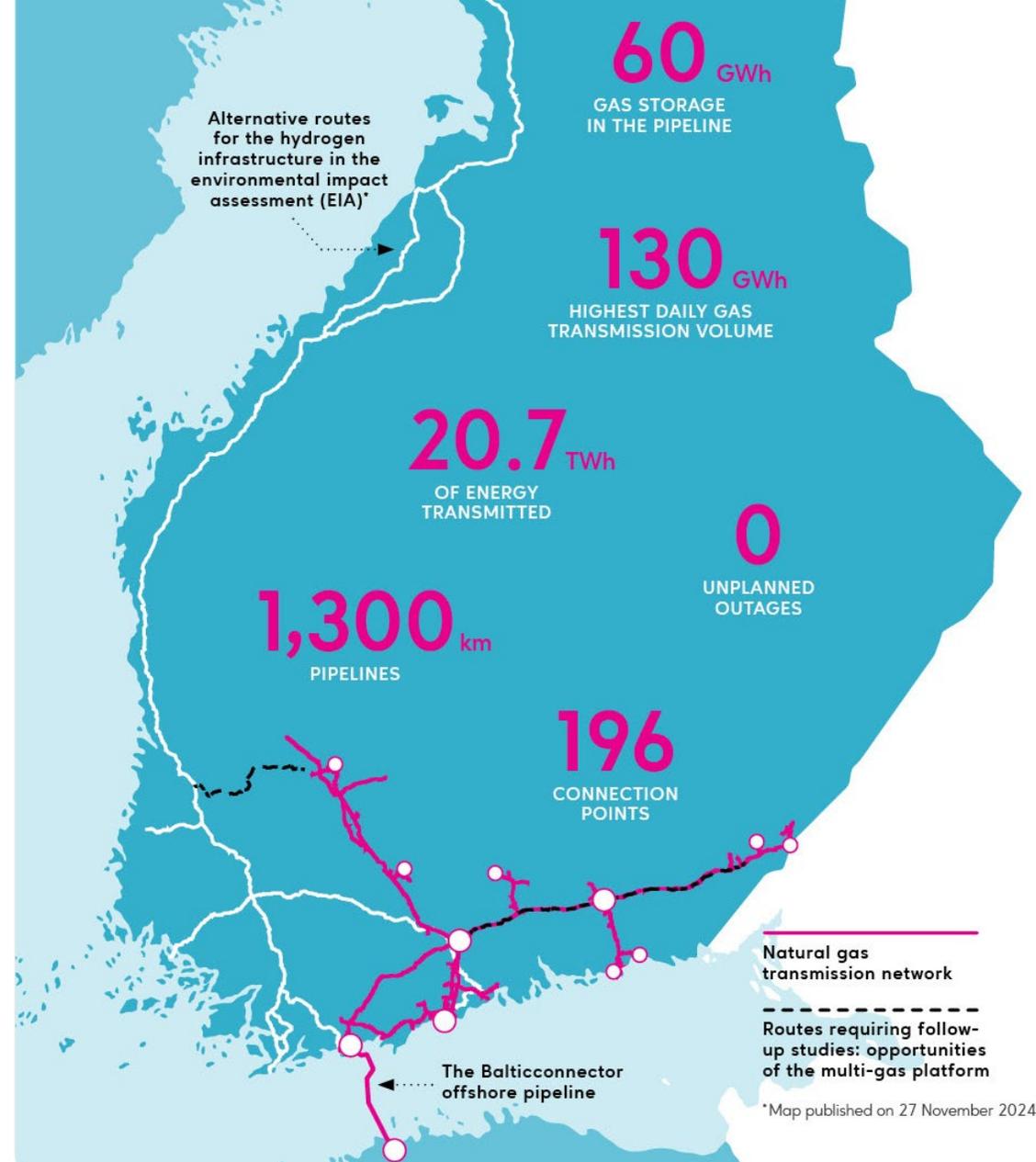
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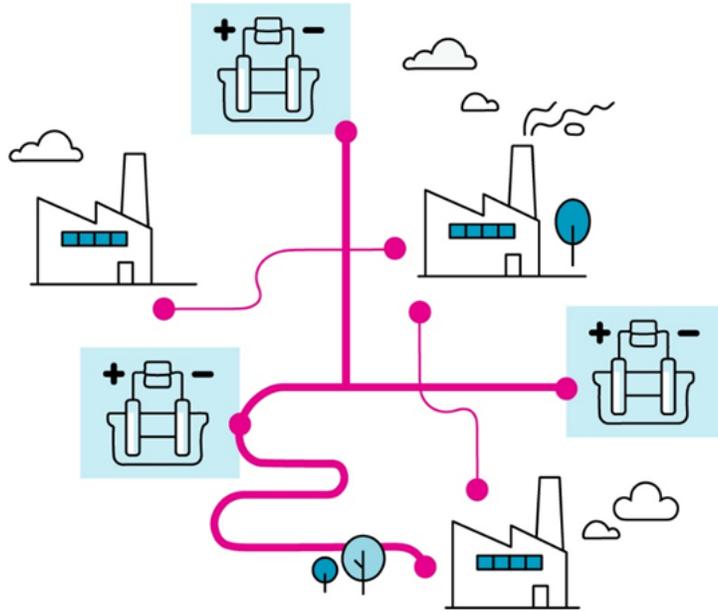
A multi-gas company of the future

Gasgrid provides energy transmission system solutions to promote clean transition and an energy-efficient society. We strengthen Finland's economic growth, security of supply, and energy independence, and support the balancing power required for emission-free electricity production.

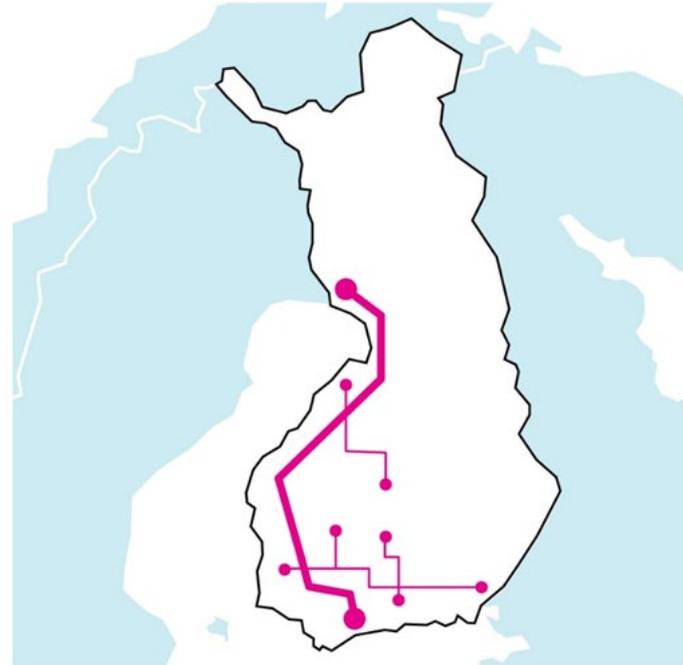
Through our international infrastructure projects, we are preparing to meet the demand for clean gas energy in Europe as well. Gasgrid Group's business operations consist of gas operations, LNG terminal operations, hydrogen development, and project execution.



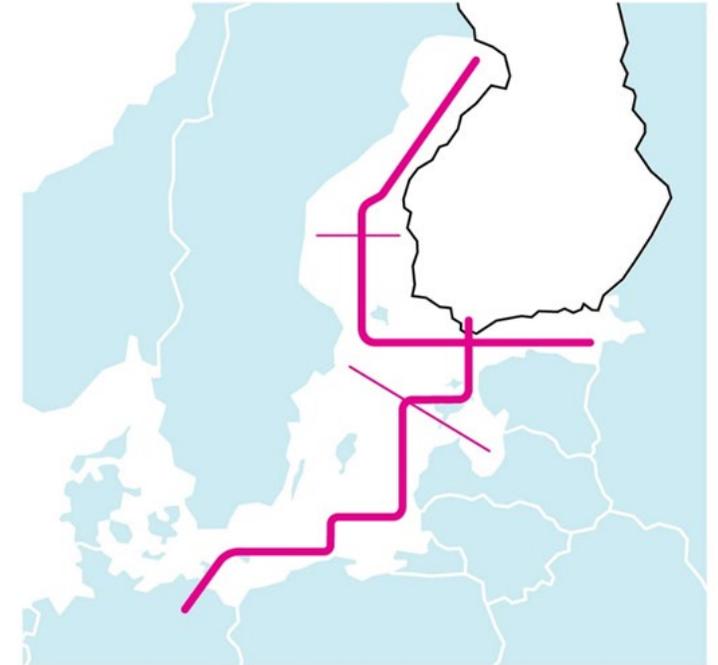
Hydrogen network development at different levels



Regional hydrogen network



National hydrogen network



Baltic Sea region hydrogen network

H2 in the changing environment

- Growth of green transition investments exceeds expectations in Finland
 - [\(EK:n dataikkuna: Vihreän siirtymän investoinnit etenevät tänä vuonna odotettuakin paremmin – yli 10 miljardin hankkeet maaliin 2025\)](#)
- Steady growth of H2 investments globally
 - [\(Global Hydrogen Compass 2025\)](#)
- Stand-out themes
 - Strategic autonomy
 - Energy security
 - System resiliency

Vaihe ● 0. Esiselvitys ● 1. Suunnittelu ● 2. Investointipäätös ● 3. Käynnistys

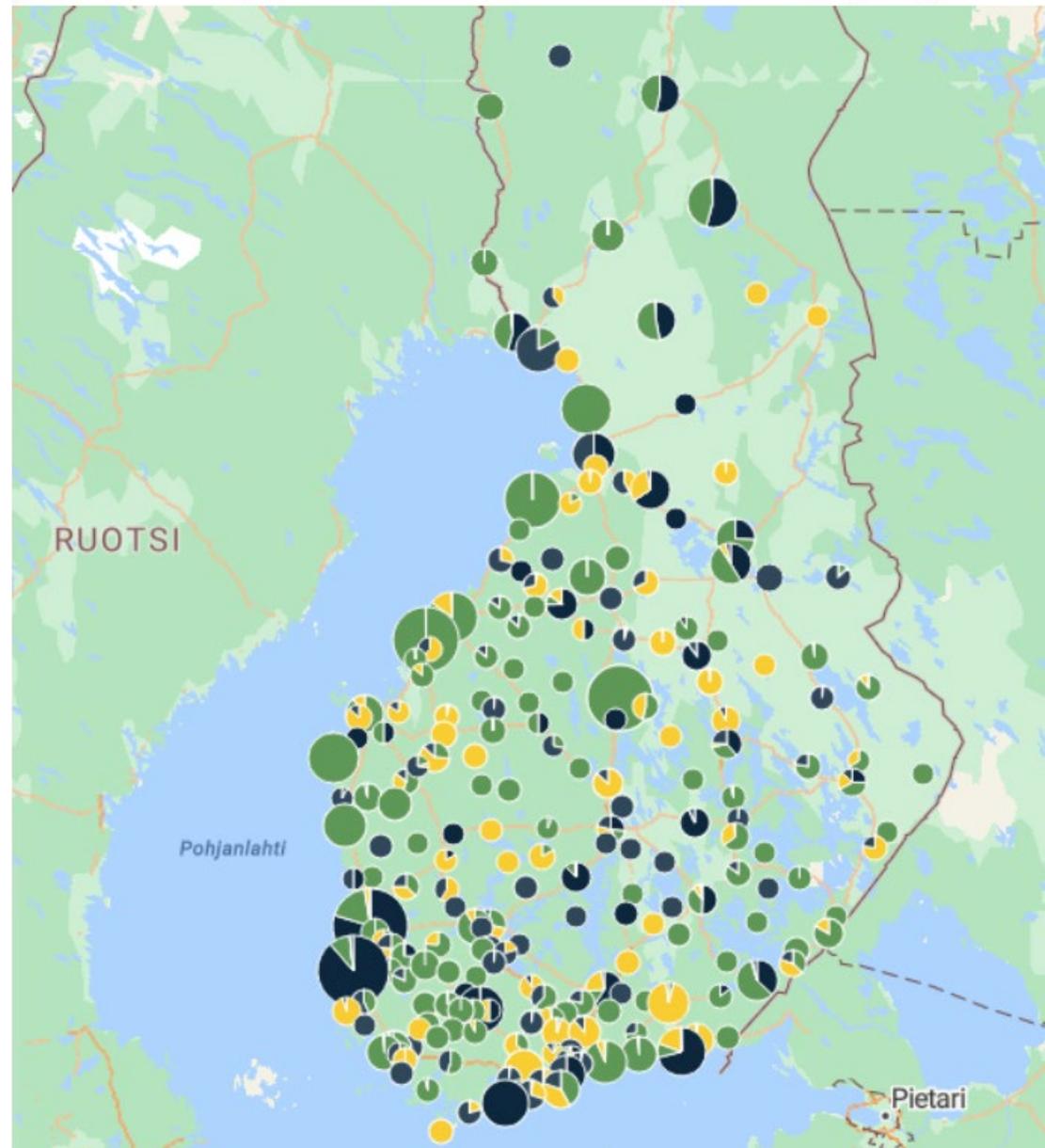


Image: Confederation of Finnish Industries (EK) Data Window, investments by municipalities

Where are we now?



Routing for national transmission network published and **Environmental Impact Assessment** ongoing



Projects shifting from pre-study to **feasibility study** phases, **CEF-funding** secured



Regulatory development creates necessary framework for **infrastructure and market development**

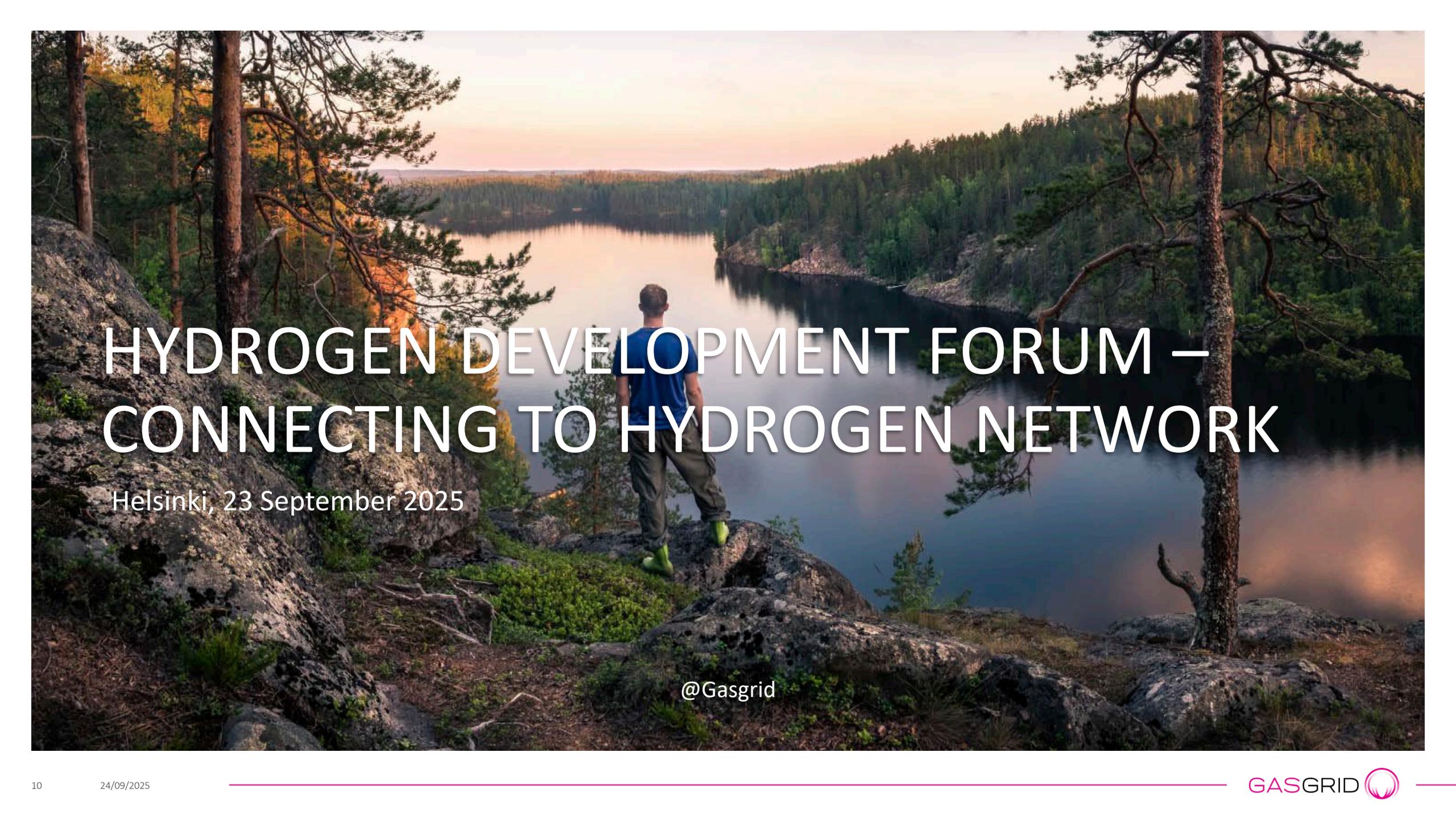


Assessment of **multi-gas infrastructure** development needs



Customer-centric collaboration towards commitments





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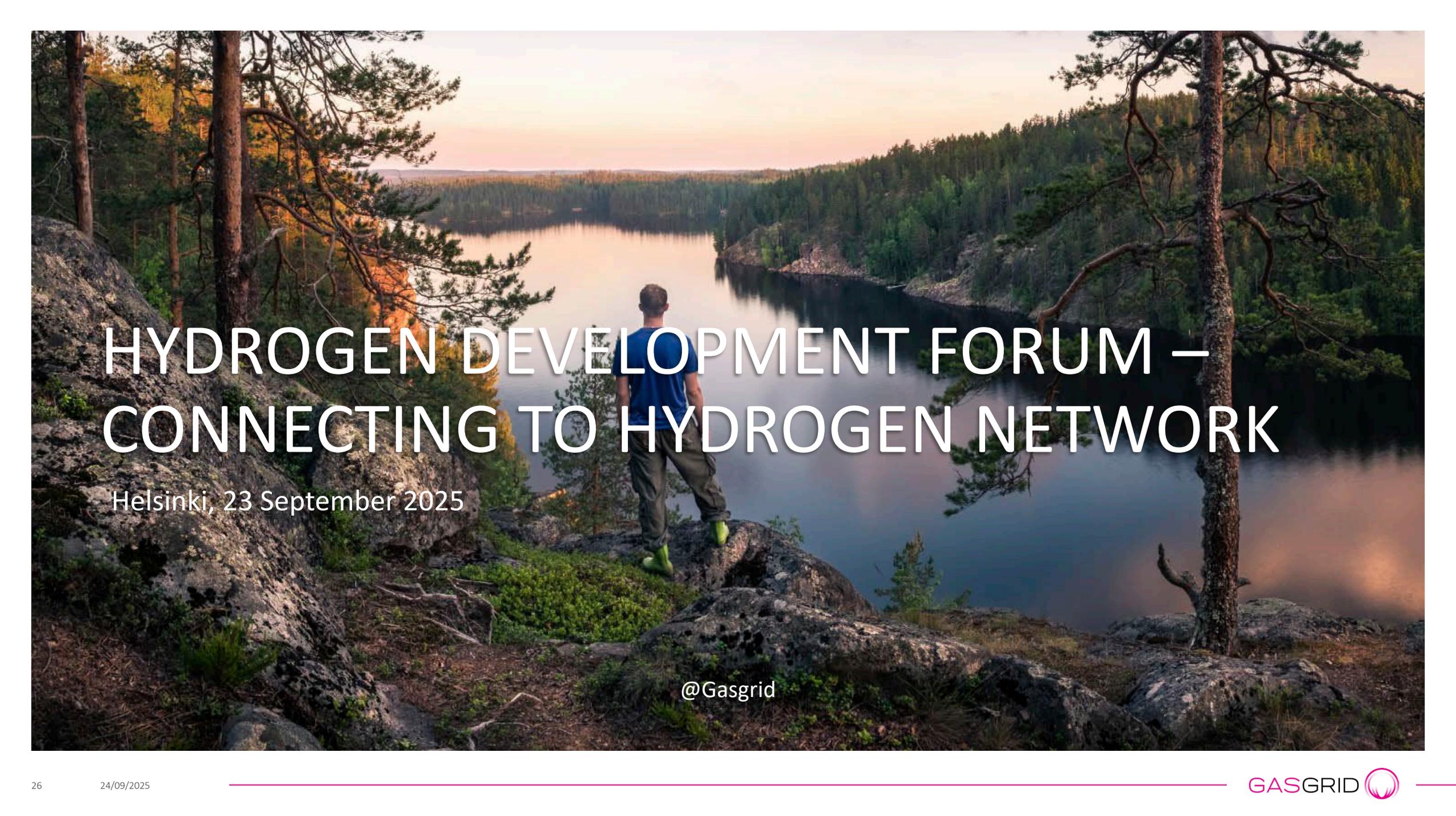


FROM EU PLANS TO NATIONAL ACTION: ENGAGING MARKET PLAYERS IN HYDROGEN DEVELOPMENT



Abel Enríquez

Director
ENNOH



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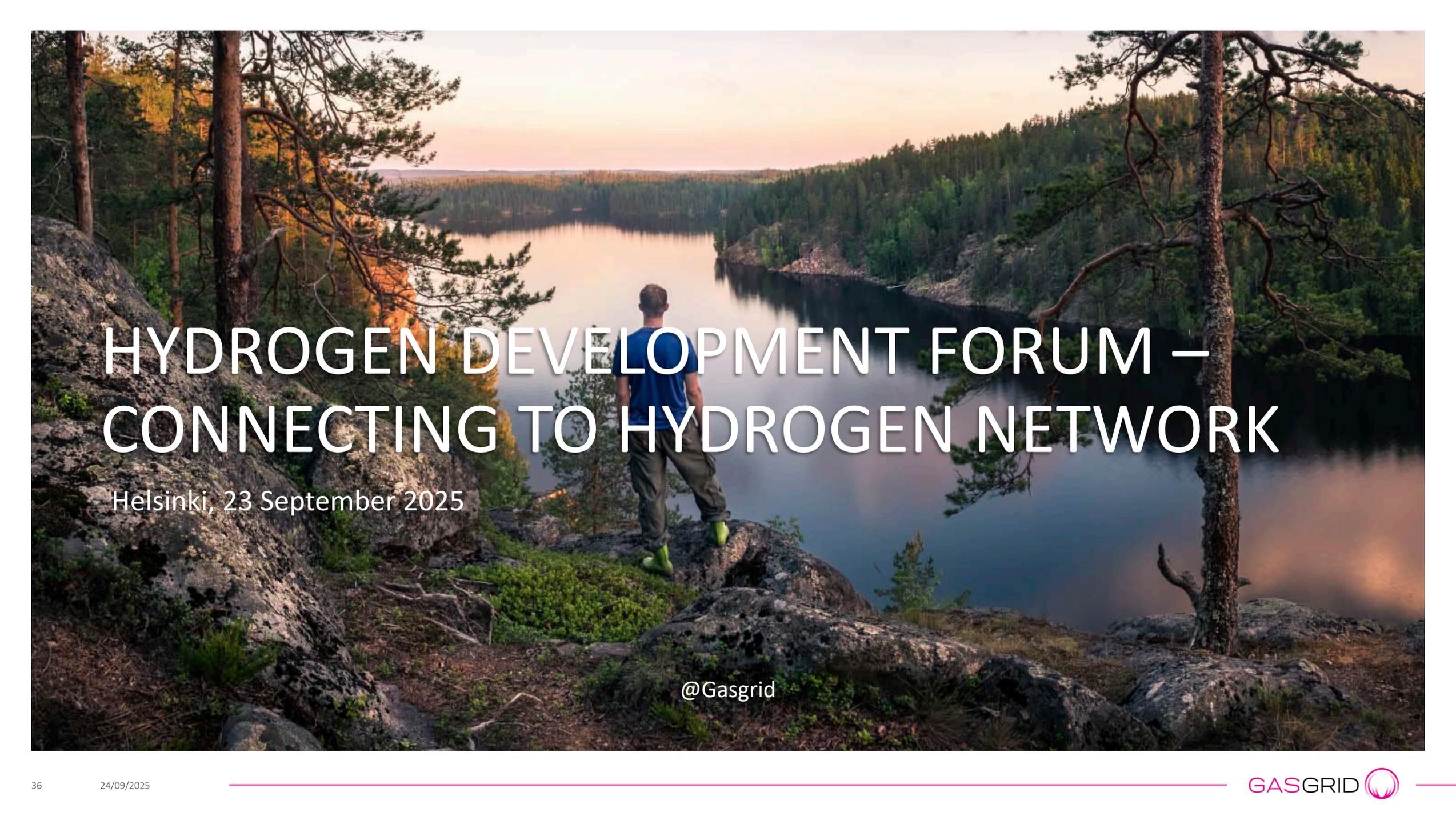
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Christian Rutherford

Chief Economist, Hydrogen
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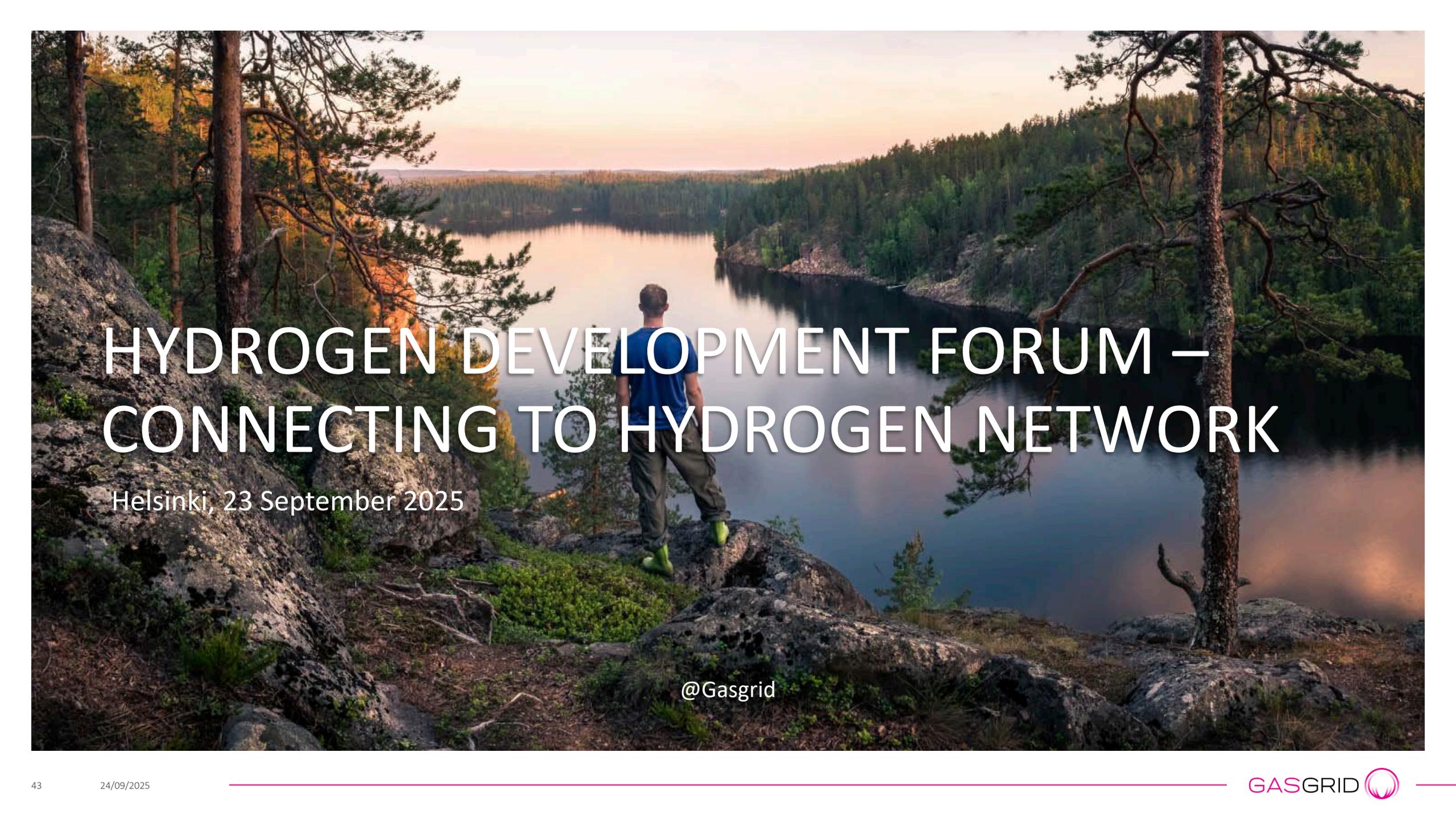
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Arto Rajala

Senior Ministerial Advisor
Ministry of Economic Affairs and
Employment



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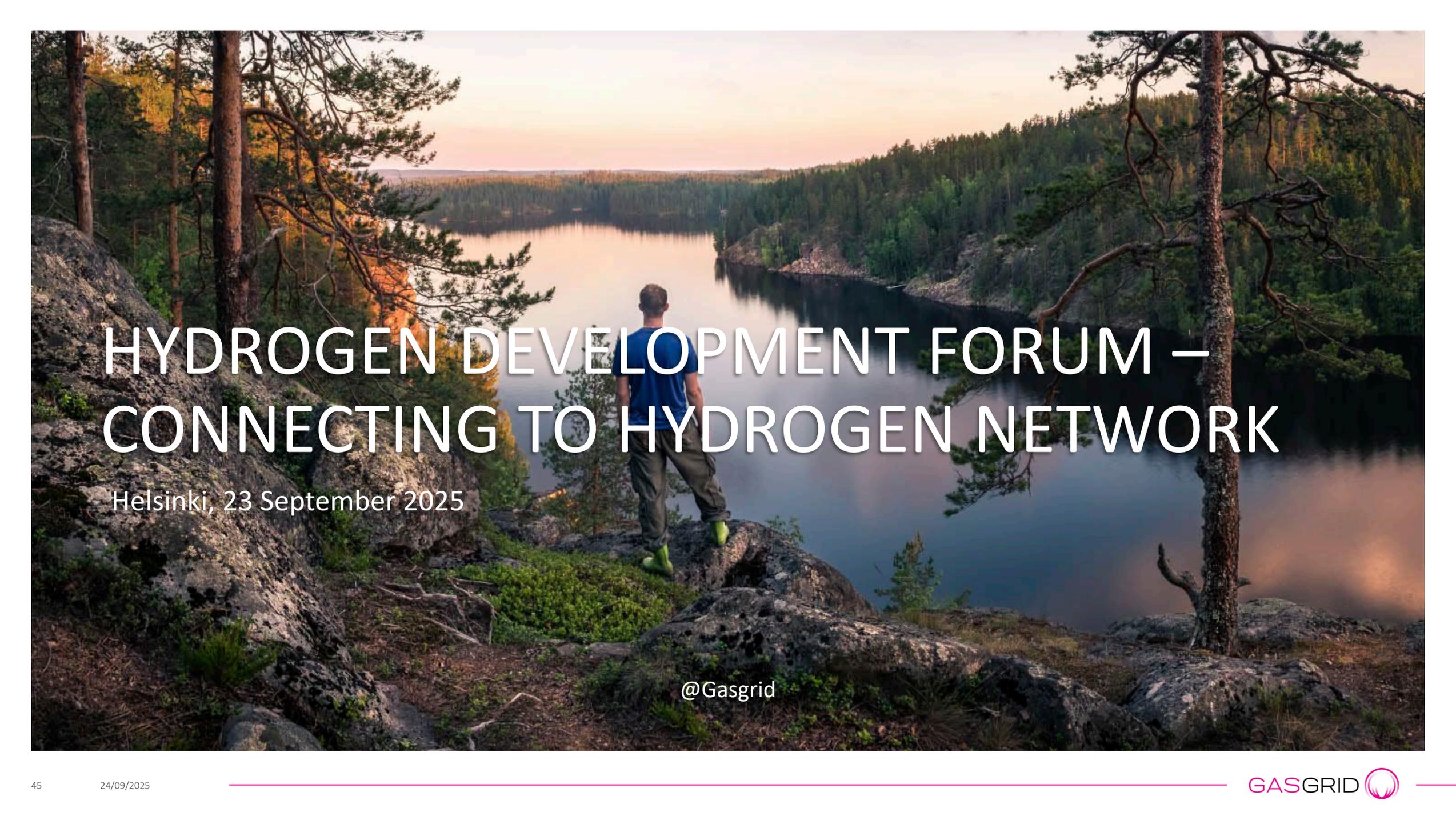
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Elina Mäki

Project Manager, RDI, Hydrogen
Development
Gasgrid



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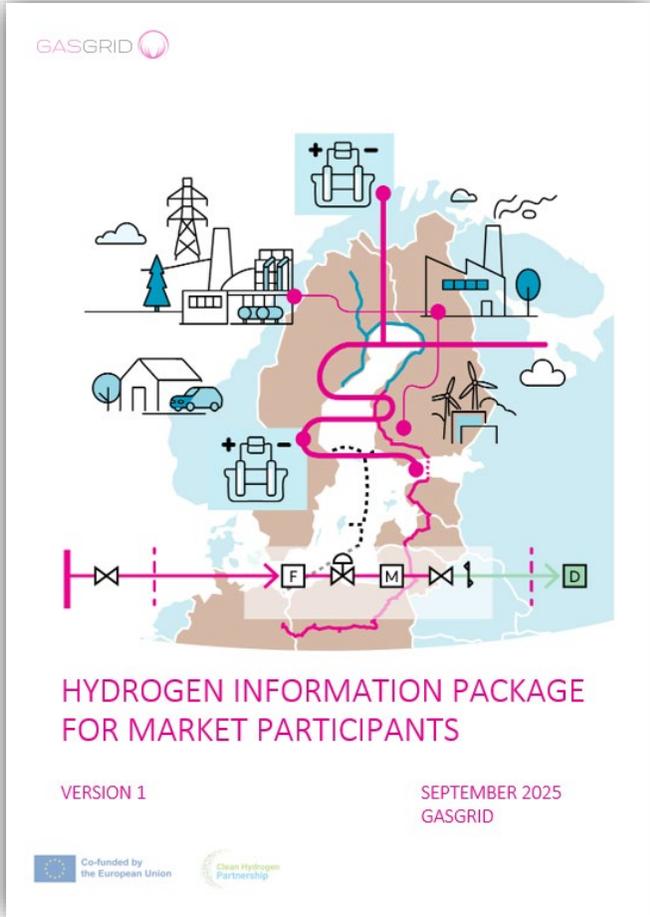
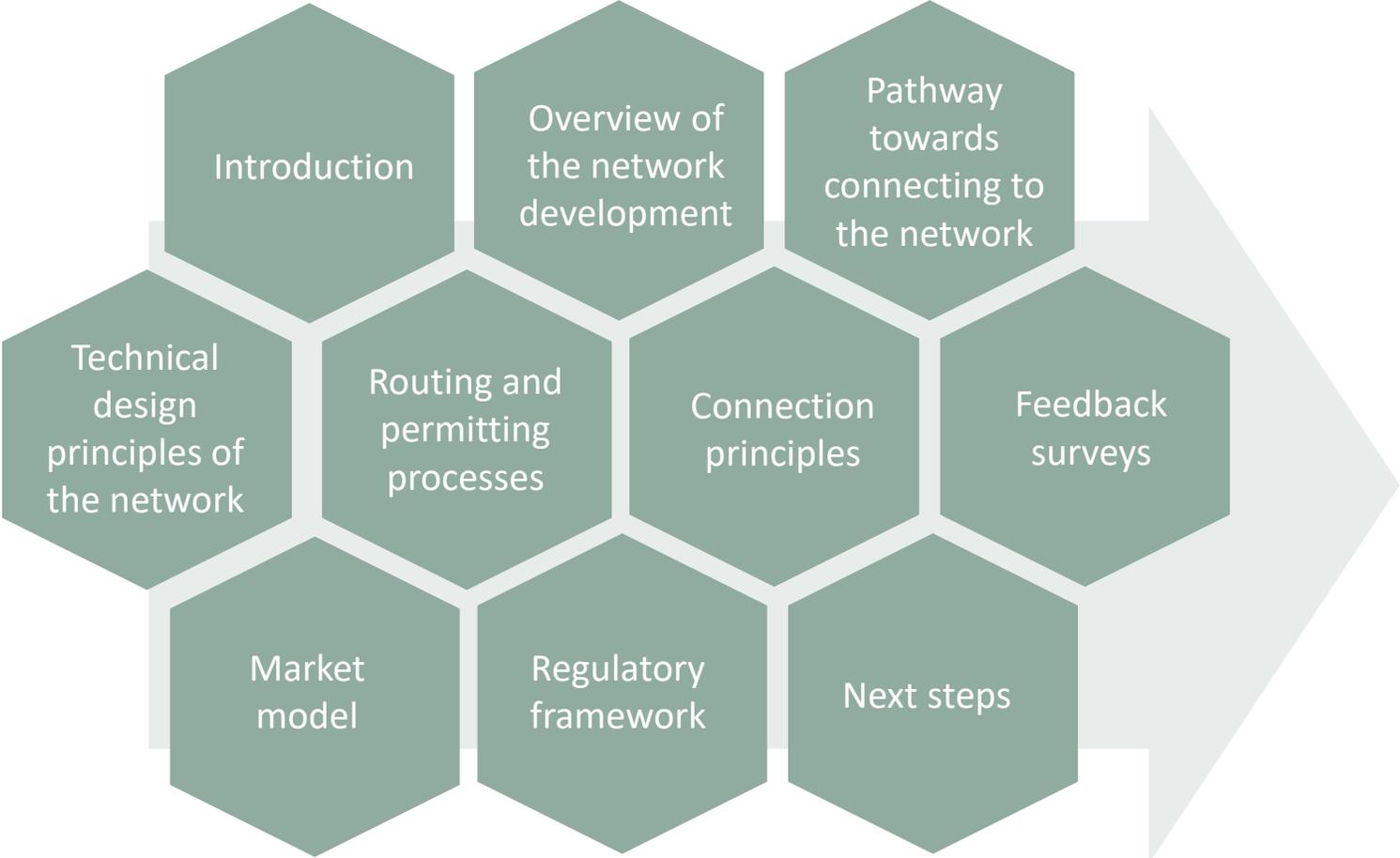
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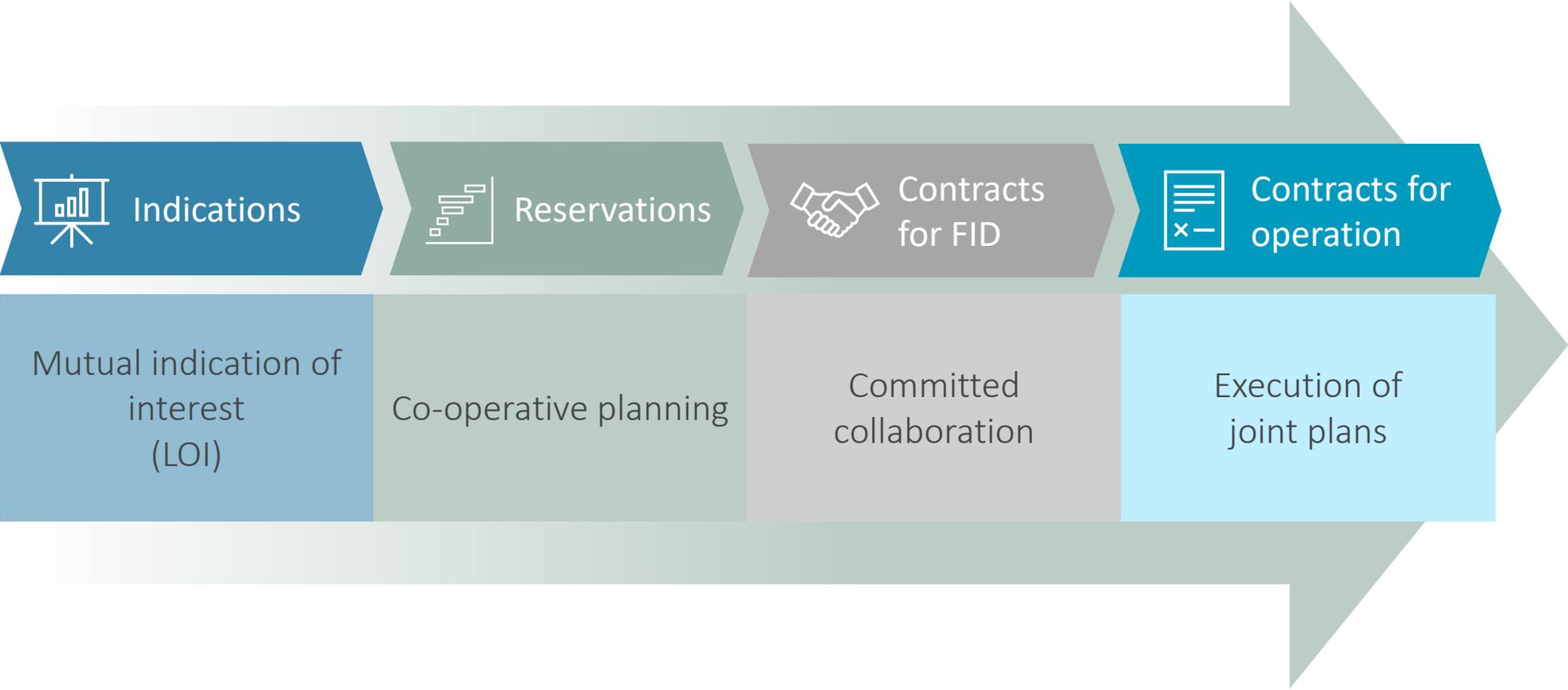
A COMPREHENSIVE INFORMATION PACKAGE TO ANSWER MARKET NEEDS

A PLATFORM FOR DIALOGUE & COLLABORATIVE DEVELOPMENT

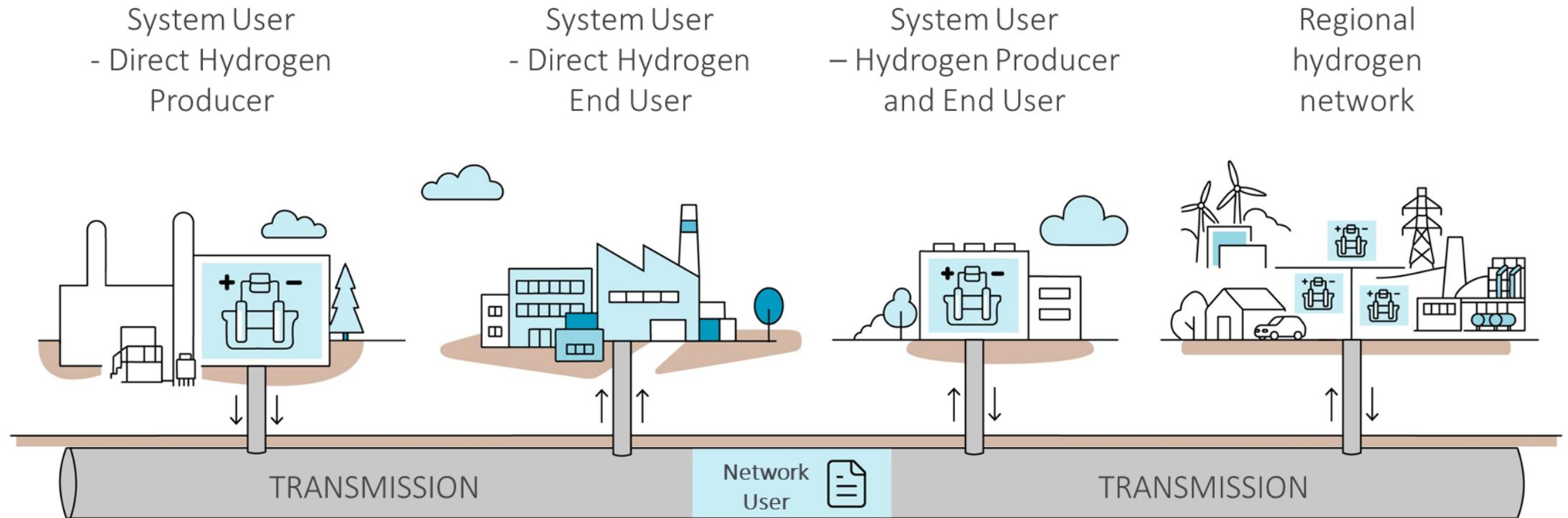
A wealth of information



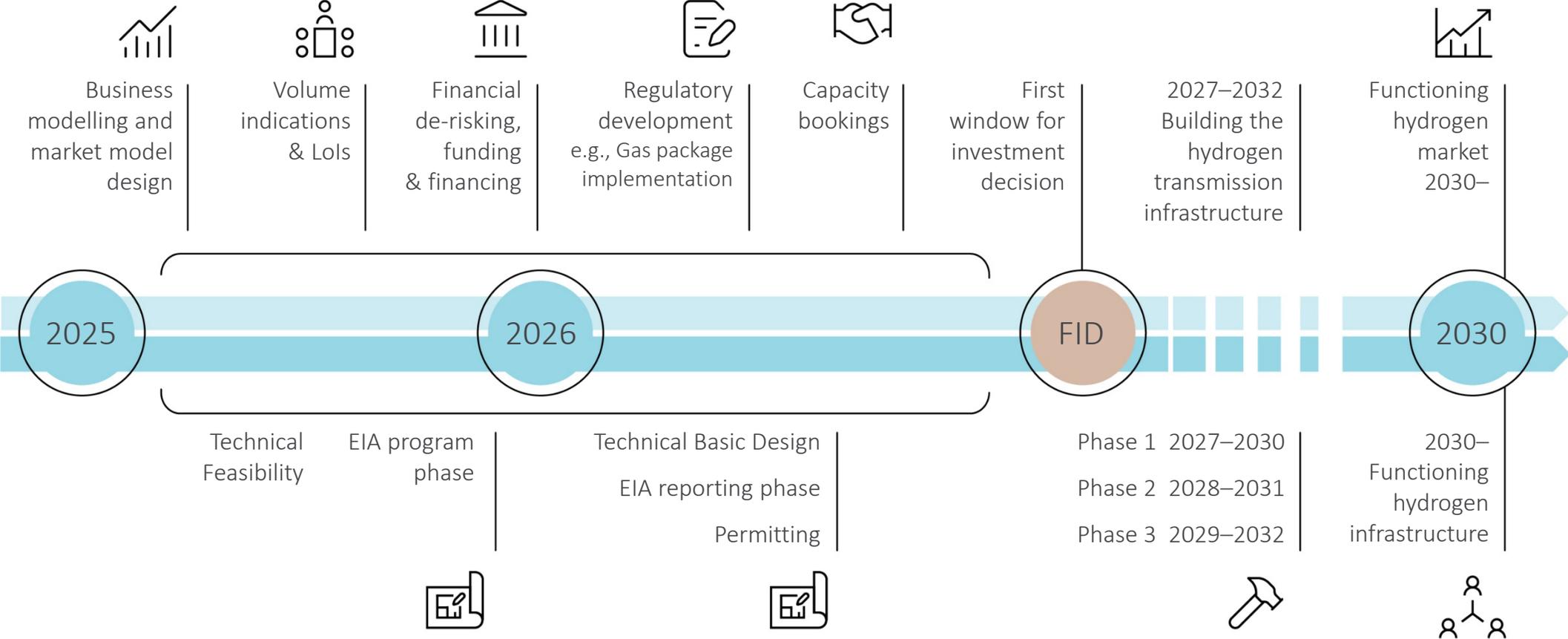
Collaborative step-by-step connection process

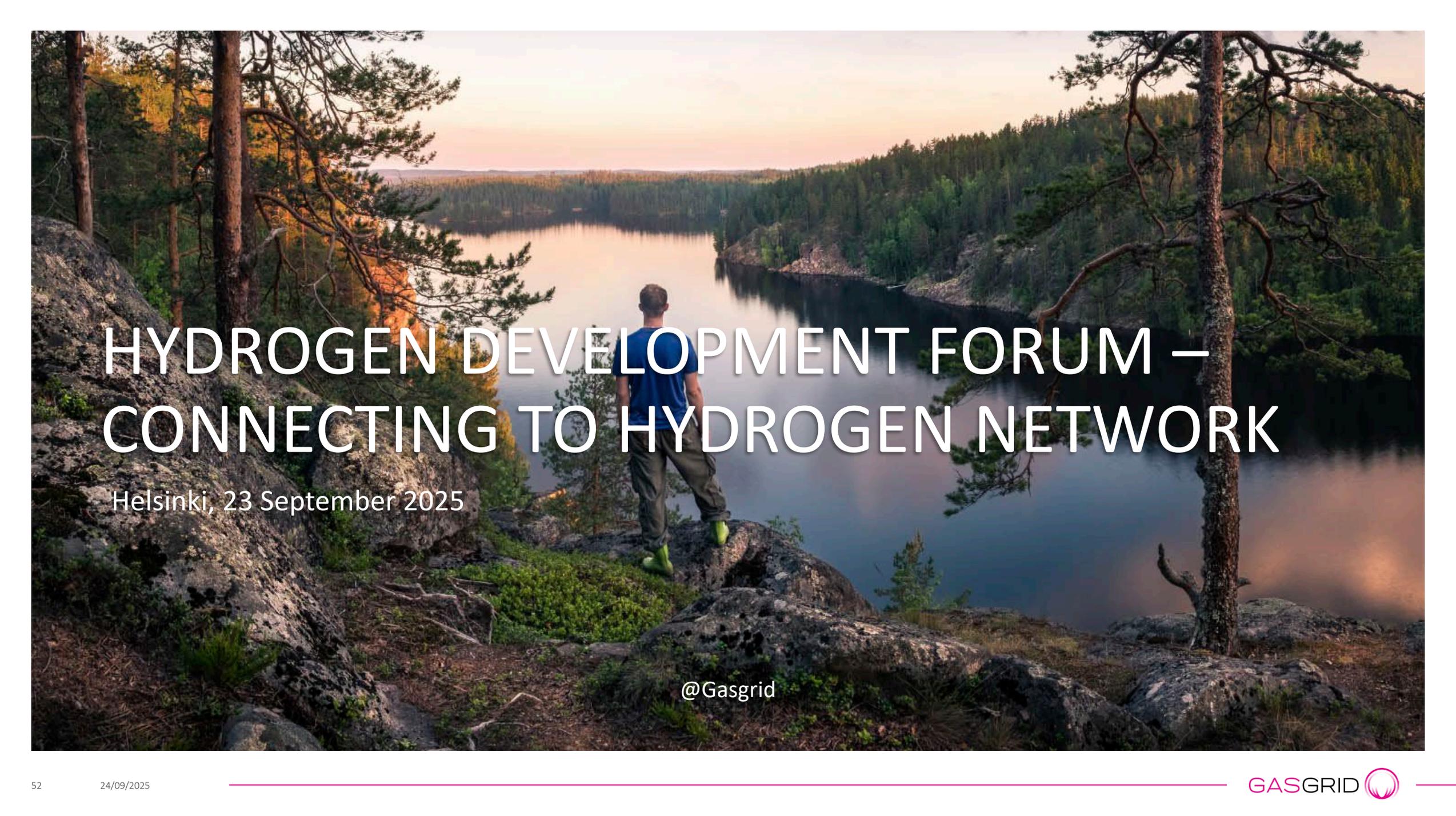


Regulation sets the market model framework



A network to fit user needs





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Meet & eat: information package mini-fair

- 5 stands for dedicated discussion topics with Gasgrid experts
- See name badge for your randomized starting point
- Discuss in whatever language is most comfortable
- Approx 15 minutes per stand – use time wisely and focus on stand-specific topics. Feel free to continue smoothly to next stands for further topics of discussion
- Visit as many stands as relevant to you while getting and enjoying more lunch
- Gasgrid representatives in the crowd are happy to assist as well!



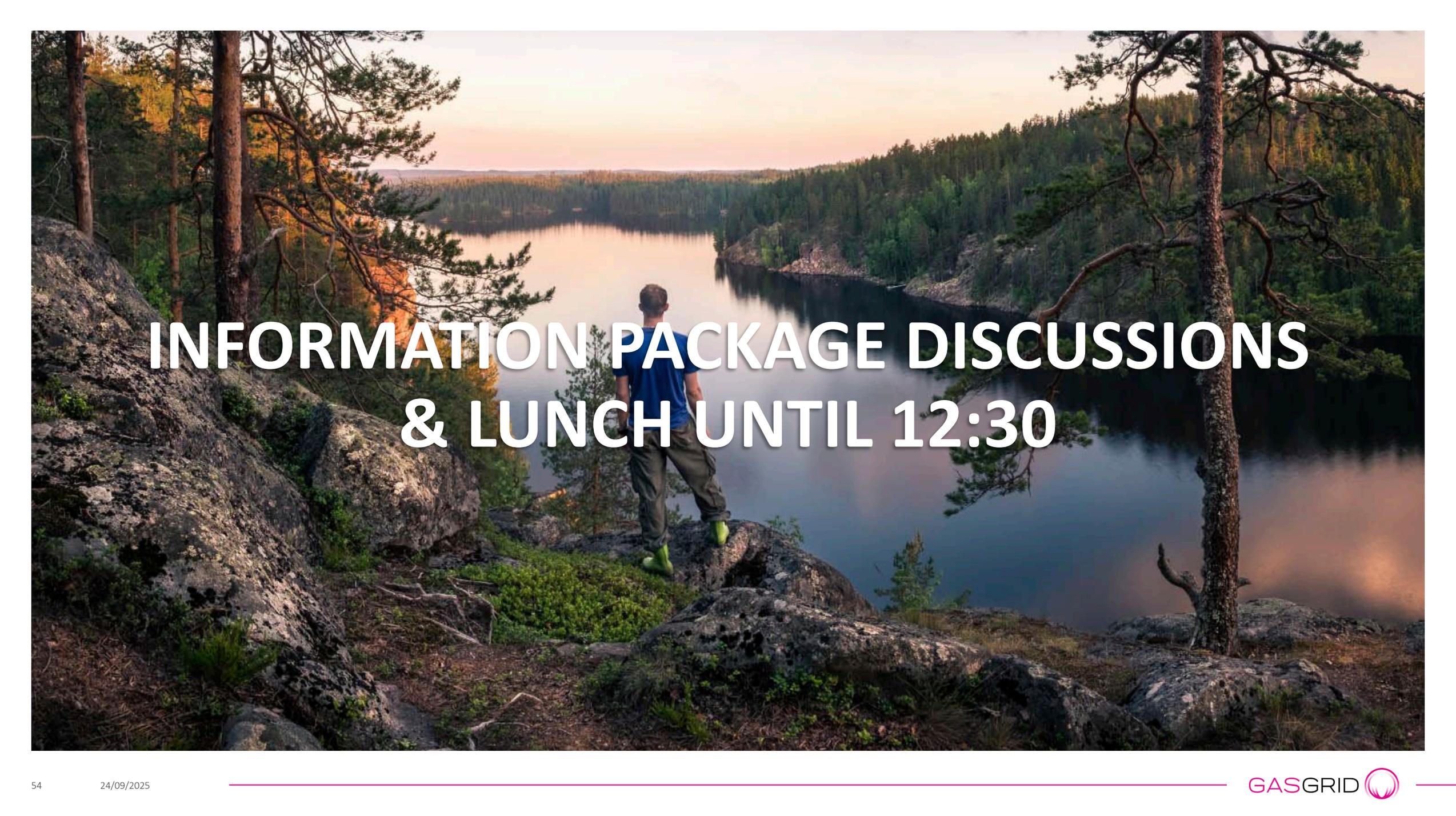
1. Routing & Permitting

2. Large Infrastructure Projects

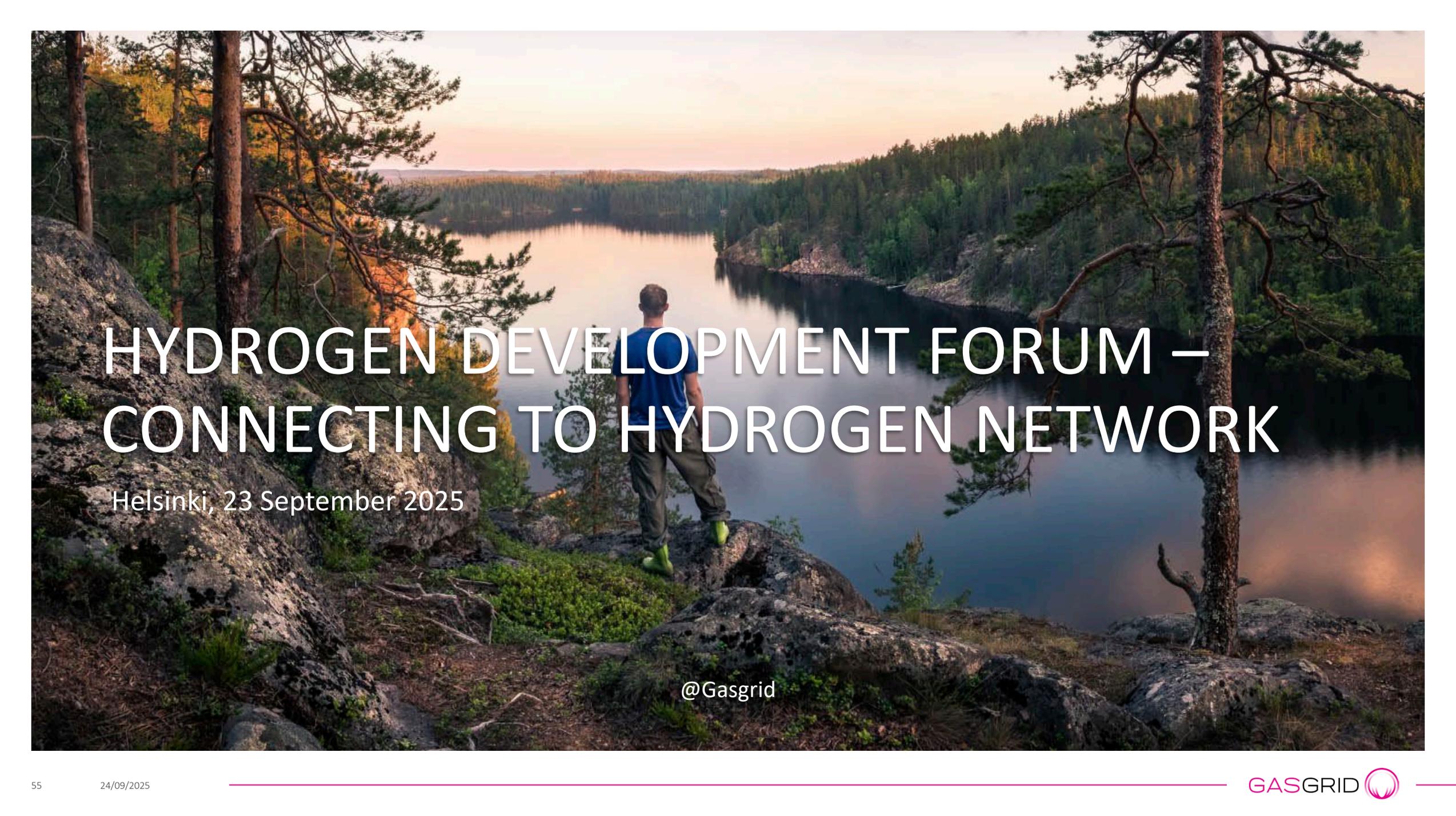
3. Market model & Regulation

4. Technical solutions & Safety

5. Regional development & Connections



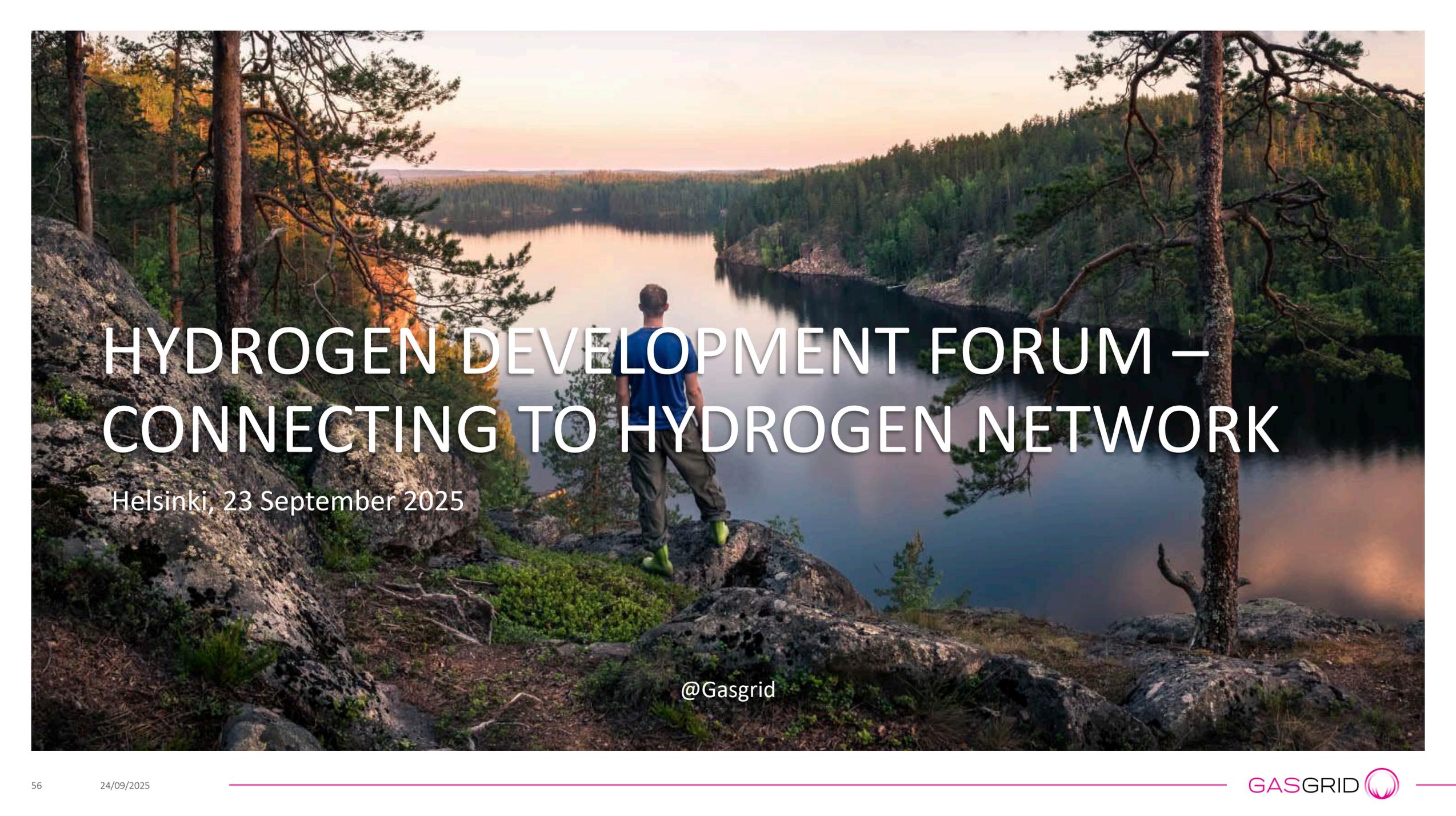
INFORMATION PACKAGE DISCUSSIONS & LUNCH UNTIL 12:30



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Abel Enríquez
Director, ENNOH



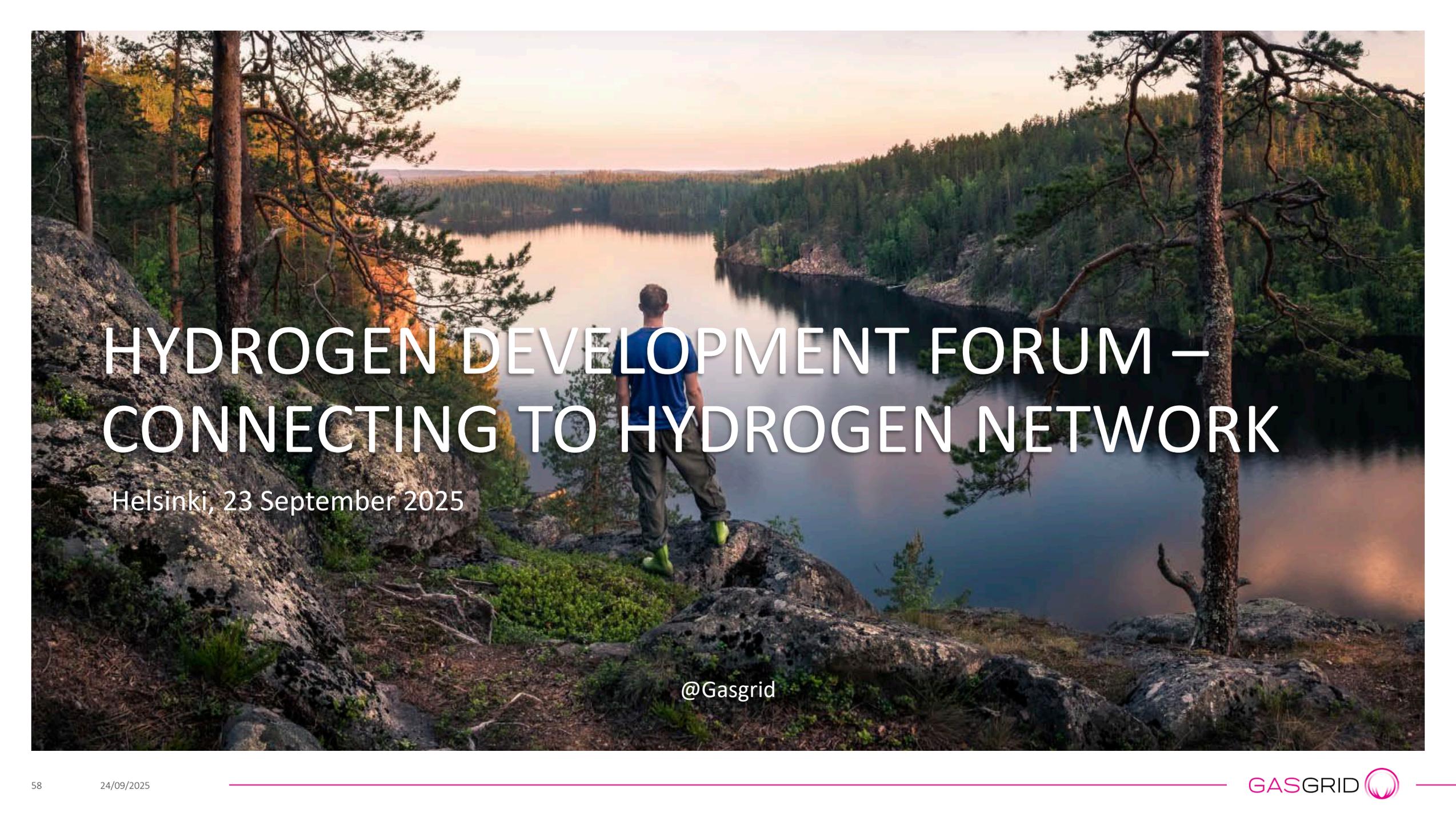
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Call for Action: Market surveys to support the market development

Overall feedback on information package & wishes for next version

Answer by 15.12.2025



Survey on hydrogen quality requirements in the Finnish hydrogen transmission network

Answer by 30.11.2025



Gasgrid's open market surveys for stakeholders

With the launch of the first information package, Gasgrid opens two market surveys for market stakeholders:

1. **Overall feedback collection** on information package content, relevance of its topics, and wishes for the next version of the information package. The results will be used to shape the next information package as well as help Gasgrid to fulfill the market's needs. The survey remains open **until 15.12.2025** and can be accessed through this link: <https://forms.office.com/e/1pGAF8M2iC>
2. Market survey on **hydrogen quality requirements in the Finnish hydrogen transmission network**, requesting views from potential future market participants on hydrogen purity and impurities in the transmission network (see further details in Section 4.4). The survey is used to support creating initial national view on the hydrogen quality requirements in the Finnish network. The survey is open **until 30.11.2025** and can be accessed through this link: <https://forms.office.com/e/mPHbdDQcbK>

Gasgrid highly appreciates feedback on these two market surveys as well as on any other topics presented in the document.

Interested in the most recent news on hydrogen from Gasgrid or want to discuss with us?

Read more: [Finland into the most attractive hydrogen economy country in the world – Gasgrid](#)

Website: <https://gasgrid.fi/>

Subscribe to our newsletter: <https://gasgrid.fi/yhteystiedot/#uutiskirje-tiedotteet>

Hydrogen email: vety@gasgrid.fi



Let's continue to shape the market together

Next Information Package version



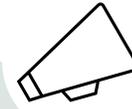
Next, updated version of the information package launches in 2026 with new, prioritized topics added according to market feedback.

Hydrogen Development Forum



Gasgrid's Hydrogen Development Forums will continue to facilitate joint development with defined development themes.

Hydrogen Market Act public hearing

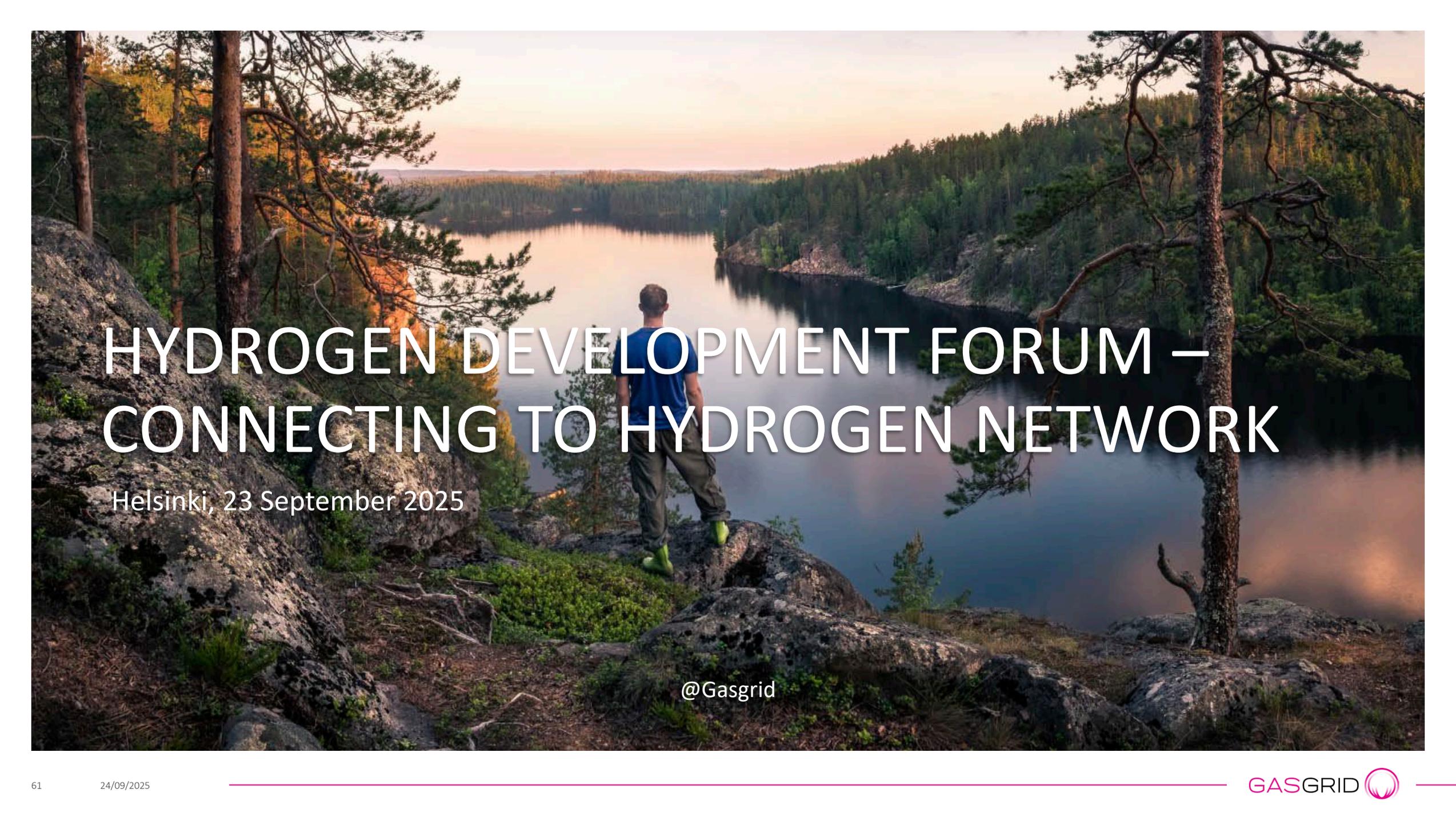


The public hearing of the Finnish Hydrogen Market Act and opportunity to give feedback will take place during winter/spring 2026.

Hydrogen Mechanism platform



European Commission's Hydrogen Mechanism Platform launched in July to enable matchmaking between hydrogen supply and demand.



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