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NEWSLETTER

4/2024 - December 2024



Coordination team greetings

As we close out the year, it's a great moment to reflect on the progress we've made and the conversations we've sparked along the way. Our ambitious project to drive a sustainable, cross-border hydrogen economy isn't just about technology and industry—it's also about the society. This year, we've had the privilege of presenting our vision of a socially acceptable and just green hydrogen transition to stakeholders across sectors, from Helsinki to Brussels, emphasizing how essential it is to keep citizens and communities at the heart of this transition.

The progress we're making is tangible, and we're reminded that every step forward—whether it's a new hydrogen application, or our upcoming multi-stakeholder vision workshops and citizen engagement events across the Baltic Sea region—builds the trust and collaboration needed to achieve something transformative. Let's keep this momentum going into 2025, ensuring that our shared journey continues to inspire and include everyone it touches.

Essi Laitinen

Ethics and Gender Dimension Manager, BalticSeaH2

Research Scientist & Doctoral Researcher

VTT Technical Research Centre of Finland

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Helen's commitment to a sustainable hydrogen future: Advancing with the BalticSeaH2 project

transition, focusing on flexibility and profitability. 3H2 pilot is Helen's stepping stone into the hydrogen business.

The 3H2 project includes a 3 MW PEM electrolyser, transport container filling station, and a hydrogen refuelling station open to the public. The 3H2 pilot will also include the integration of waste heat into Helen's district heating network to avoid dissipation of waste heat.

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News from the main valley

Sustainability Reporting Standards as Drivers for the Hydrogen Economy

BalticSeaH2 publishes a Drivers and Barriers report series about the drivers and barriers we face in the implementation of a large-scale, interregional hydrogen valley.

The second Drivers and Barriers report about sustainability reporting standards as drivers for hydrogen economy has now been published. Sustainability standards can encourage working towards carbon emission reductions by implementing green hydrogen solutions.

As sustainability standards take effect, they will enhance transparency, reduce risks, and promote investments in sustainable projects, solidifying hydrogen's role in the global green transition.



Hydrogen Economy:
Drivers and Barriers

Driver - Sustainability Reporting Standards as Drivers for the Hydrogen Economy

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Hydrogen valley: a regional anchor for the hydrogen economy



transmission infrastructure, the result is a hydrogen valley – a regional hydrogen network that serves both hydrogen producers and consumers.

Hydrogen production plants in a hydrogen valley produce hydrogen, for example through electrolysis. Renewable hydrogen is used as it is in industry, e.g. in iron ore reduction in connection with steelmaking. Renewable hydrogen can replace fossil fuels such as natural gas and crude oil. Green hydrogen can also be used, for example, in the manufacture of fertilisers and synthetic fuels, and it can also be used to reduce carbon dioxide emissions from shipping and aviation.

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News from connected valleys

Lower Silesian Hydrogen Valley receives the Minister of Climate award for the BalticSeaH2 project



BalticSeaH2 project has been recognized by the Polish Minister of Climate and Environment during the 4th Hydrogen Agreement Conference. Vice President of Lower Silesian Hydrogen Valley, **Radosław Żydok**, received the award from Minister Paulina Hennig-Kloska. Lower Silesian Hydrogen Valley is the Polish partner involved in the BalticSeaH2 project.

“I would like to thank the entire DDW team, currently and in the past involved in this project, but also all our members, without whom such initiatives would not be possible”, Żydok commented.

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Nordic-Baltic Hydrogen Corridor enters feasibility phase

The European Gas Transmission System Operators (TSOs) of Finland, Estonia, Latvia, Lithuania, Poland and

Energinet's market dialogue on hydrogen infrastructure has been closed

Danish gas TSO Energinet's hydrogen infrastructure project between

Hydrogen Corridor (NBHC).

After having successfully completed the pre-feasibility study in 2024, the six TSOs plan to start feasibility studies across the respective countries. These studies will focus on various crucial aspects including pipeline routing, compressor stations planning, financial and economic analysis, environmental and safety permitting issues as well as investigations on an implementation timeline. These studies are expected to run until mid-2026.

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be commissioned by the end of 2031 due to increased complexity and a longer planning process.

The schedule requires a close cooperation between Energinet and the German partner Gasunie. The parties are in continuous dialogue about the two hydrogen infrastructure projects – Danish Hydrogen Backbone in Denmark and Hyperlink 3 in Germany – with a view to concluding the necessary binding contract between the two companies.

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Events



H2 Summit & Expo

Charge yourself for the hydrogen era! This is where industry leaders, visionaries, experts, policymakers – and YOU among them – meet to shape the hydrogen landscape.

Hydrogen Summit and Expo takes place **22-23 January** in Tampere, Finland.

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Insights from integrating hydrogen and CCU value chains

CETPartnership and BalticSeaH2 hosted an Insight Harvesting workshop **Expanding Horizons in the Hydrogen Economy: Integrating Energy, Material Production, and CCU Value Chains**. What did we learn?

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