



Day 1

22 January

09:00–09:30 | Registration

09:30–10:30 | Auditorium B192

Nordic decisionmakers on building hydrogen value chains

This keynote session will focus on the Nordic strategies and priorities, and the milestones that decision makers are looking for from research and development to create progress on the Nordic priorities for Hydrogen Valleys.

- **Klaus Skytte, CEO, Nordic Energy Research**
- **Carina Sammeli, Mayor, Luleå Municipality**
- **Charlotte Wiberg, Deputy Vice-Chancellor, Luleå University of Technology**
- **Mogens Lykketoft, Chairman of the Board, Energinet**
- **Jón Björn Skúlason, Executive Director, Icelandic New Energy**
- **Cecilia Wallmark, Director, CH2ESS**
- **More speakers to be announced**

10:30–11:00 | Coffee break

11:00–12:30 | Auditorium B192

Mapping Nordic hydrogen valleys: Highlighting Nordic strongholds

What has been developed in the Nordics, what is the implementation status for active hydrogen valley projects and where are the driving forces?

- **Johan Malinen, Departmental Secretary, Government Offices of Sweden:**
Hydrogen Valleys – Value Chain Mapping Across the Region
- **Kirsikka Kiviranta, Research Scientist, VTT:** The BalticH2 project
- **More speakers to be announced**





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12:30–14:00 | Networking lunch

14:00 | Auditorium B192

Lessons from hydrogen researchers: Insights and answers

The research and development projects have some messages for you – and some very good questions. Prepare for dialogue.

- **Sigrid Lædre, SINTEF:** Nordic Hydrogen Hubs – Roadmaps towards 2030 and 2040 (Nordich2ubs)
- **Joakim Lundgren, Luleå University of Technology:** Hydrogen, Ammonia and Methanol in hydrogen hubs in the Nordic region (H2AMN)
- **Vigdis Olden, SINTEF:** Material and structural integrity assessment for safe Nordic hydrogen transportation infrastructure (MatHias)
- **Cecilia Wallmark, Luleå University of Technology:** Hydrogen Safety and Improved Permit Processes (H2SIPP)
- **Johannes Felipe Giehl, Copenhagen Business School:** Rally to the Valley: Establishing Hydrogen Value Chains for the Nordics (NORD_H2ub)
- **Jan Froitzheim, Chalmers University Technology:** Unlocking the Full Potential of Green Hydrogen: Towards Cost-Effective, Durable, Efficient, & Flexible Electrolysis (MoreH2)
- **Klaus Skytte, Nordic Energy Research**
Moderator





The Nordic
Hydrogen Valleys
Conference

Programme

22–23 January | Luleå University of Technology

Day 1

22 January

17:00–18:00

Indigenous perspectives and democratic engagement in the green transition

This session will be hosted by Nordic Energy Research's sister institution NordForsk, based on research projects funded within their Green Transition Call.

- **Speakers to be announced**



18:00–18:15 | Shuttle bus to Conference dinner

18:30–21:30 | Vetenskapens hus, Storgatan 53

Conference dinner

The conference dinner will be organised as a mingling arena. Here, there will be a festive atmosphere, in addition to dinner and entertainment provided. The entertainment will be a musical performance from the Swedish artist Olivia Ahltop. Ahltop will perform songs from her concept Aevy Lore. This concept explores humans' relationship with nature.

Participation requires individual registration.



The Nordic
Hydrogen Valleys
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Programme

22–23 January | Luleå University of Technology

Day 2

23 January

08:00 | Coffee

08:30–09:30 | Auditorium B192

The hydrogen economy: Regulations and best practices

Regulatory practices have the potential to make or break a hydrogen valley. Best practices recommendations hold a promise for transparency and speed in energy hub planning.

- **Brynhildur Davíðsdóttir, University of Iceland:** Bridging the gap: policy needs to realise an energy hub in Iceland
- **Johannes Felipe Giehl, Copenhagen Business School** and **Frederik Fristed, Danish Technical University**
- **Sigrid Lædre, SINTEF** and **Maria Grahn, Chalmers University of Technology**
- **More speakers to be announced**

09:30 | Coffee



Nordic Energy
Research



Day 2

23 January

10:00–11:00 | Auditorium B192

Hydrogen safety in a new energy landscape

Safety in a hydrogen value chain has many facets. Local public support, longterm political stability for decisions and planning, a calm business investment forecast, materials safety aspects – all of these are vital to the security of supply for hydrogen as part of the Nordic energy mix.

- **Mads Ragnvald Nielsen, DBI – The Danish Institute of Fire and Security Technology:** Fire and Explosion Modeling at Hydrogen Refueling Stations: Strategic Insights for Contingency and Safety Management
- **Marcus Runefors, Lund University** and **Michael Försth, Luleå Technical University:** Progress in safety distance determination for hydrogen installations
- **Viktor Eklund, Energigas Sweden**
- **More speakers to be announced**

11:00 | Coffee

11:30–12:30 | Auditorium B192

Hydrogen materials for a Nordic geography

Materials science determines the safety and economy of the hydrogen valleys roll-out. This session investigates the progress of research and engineering of materials solutions for hydrogen applications in the Nordic climates.

- **Vigdis Olden, SINTEF**
- **Pedro Vilaca, Aalto University:** Pushing boundaries in hydrogen technology with joining of materials and inspection of material condition as innovation tools
- **More speakers to be announced**

12:30–13:50 | Networking lunch





Day 2

23 January

14:00 | Auditorium B192

An inclusive hydrogen society

Social acceptance is key to a successful green transition, and inclusion of citizens is expected to hold the answers for the most critical steps – where to build pipelines and other infrastructure, how to build a skilled workforce and how to create successful implementation of the hydrogen economy. So how do we ensure social engagement and an inclusive political decision process when creating a hydrogen society?

- **Dr Minna Näsman, Akordi:** JustH2Transit
- **Julia Hansson and Karl Jivén, IVL Swedish Environmental Research Institute**
- **Viktor Jonsson Rosenberg and Jakob Westerback, Chalmers University of Technology**
- **Michael Ross, Yukon University**
- **More speakers to be announced**

15:30

Workshop

Share notes with your peers. The workshop will create a joint overview of keynote messages, participant take-aways and calls for action, and summarise for reference and inspiration.

- **Facilitator: Dr Minna Näsman, Chief Development Officer, Akordi**





More information

Site visits

More information about site visits part of the conference programme will be sent out to participants by email. The site visits include:

- **Hybrit**
- **Swerim**
- **Luleå University of Technology laboratories**

Hotel booking

We have organised discounted rates for bookings at the two following hotels.

- **Clarion Hotel Sense**
Booking reference: BK-01429
Name: Hydrogenkonferanse i Luleå
- **Hotel Savoy**
For 15% discount, please use this link:
<https://ws.mews.com/distributor/f3838add-80ca-4661-ba93-b10300e1d978?mewsAvailabilityBlockId=07b72ab4-2eab-42f5-8b72-b20100e3395f&mewsStart=2025-01-21&mewsEnd=2025-01-24>

Local public transport

To get around Luleå by public transport, we recommend you to download the Luleå Lokaltrafik app.

