

THE HyEfRe NEWSLETTER

HYDROGEN INTEGRATION FOR EFFICIENT RENEWABLE ENERGY SYSTEMS



ABOUT THE PROJECT:

Sector-coupling is a promising approach to replace fossil fuels with renewables. However, this idea of “electrifying” the entire economy requires the rollout of new technologies and rules. **The HyEfRe project helps with this by establishing green hydrogen ecosystems in eight regions.** The partners foster an investment-friendly environment for renewable energy and green hydrogen technologies. They evaluate hydrogen potentials with a new model and develop and test a new tool to calculate ideal parameters for technical plants. Their action plan for policy actors will reduce regulatory barriers impeding a timely expansion of renewables and green hydrogen.

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START DATE: JUNE 2024

END DATE: NOVEMBER 2026

HyEfRe partner meeting in Linz

Partners came together in Linz to power up for the final project phase.

In december the HyEfRe consortium met in Linz, Austria, for a productive partner meeting hosted by the Energieinstitut an der JKU Linz. The gathering offered a valuable opportunity to reconnect with partners, review project progress, and align on the following steps as HyEfRe enters its concluding phase.

In Austria the team visited two leading facilities showcasing forward-looking hydrogen production technologies. At BOSCH Engineering Linz, they gained insights into industrial-scale hydrogen engineering and applications, while at RAG Austria AG they explored methane pyrolysis as an innovative low-emission production pathway with valuable by-products. These field visits helped participants exchange on local best practices and explore real-life applications for hydrogen deployment in the energy transition.



At the same time significant developments are happening in the project, including the testing of key HyEfRe outputs:

Hydrogen Potential Model - a strategic tool to assess local renewable energy and hydrogen production potential.

Decision Support Tool - supporting stakeholders in turning hydrogen potential into viable business cases through economic, regulatory, and investment analysis.

Hydrogen Ecosystems - connecting administrations, industry, research, and NGOs to scale successful cases across Central Europe.

As Europe's hydrogen strategy aims to unlock renewable potential in hard-to-decarbonise sectors while boosting energy security and green growth, projects like HyEfRe bridge the gap between policy ambitions and real-world deployment through practical tools, regional modelling, and stakeholder cooperation. Stay tuned for further updates, including refreshed releases of the Hydrogen Potential Model and Decision Support Tool that will be available on hyefre.eu.



As we wrap up the year, we want to thank our partners for their collaboration and our followers for the support. 2025 has been full of learning, progress, and good teamwork. We look forward to continuing our work together in future.

We wish you all the best in the coming year.



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