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 partners at the Kick-off meeting

1. WHY HYEFRE PROJECT?

The acronym **"HyEfRe"** stand for **Hydrogen integration for efficient renewable energy systems**, the project has been approved under the call for proposals of the Interreg Central Europe Programme, within the Cooperating for a greener Central Europe priority, in the multi-annual financial framework 2021-2027.

HyEfRe brings together 11 partners from 8 Central European countries, with the aim of establishing green hydrogen ecosystems in the partners regions. Through is journey, HyEfRe will foster an investment-friendly environment for renewable energy and green hydrogen technologies integrated with regard to energy efficiency and balancing, via an innovative holistic approach.
The project partners will evaluate hydrogen potentials with new models and develop and test a new tool to calculate ideal parameters for technical plants. The project's action plan for policy actors aims to reduce the regulatory barriers impeding a timely expansion of renewables and green hydrogen

" Foster an investment friendly environment for **renewable energy and green hydrogen technologies** "

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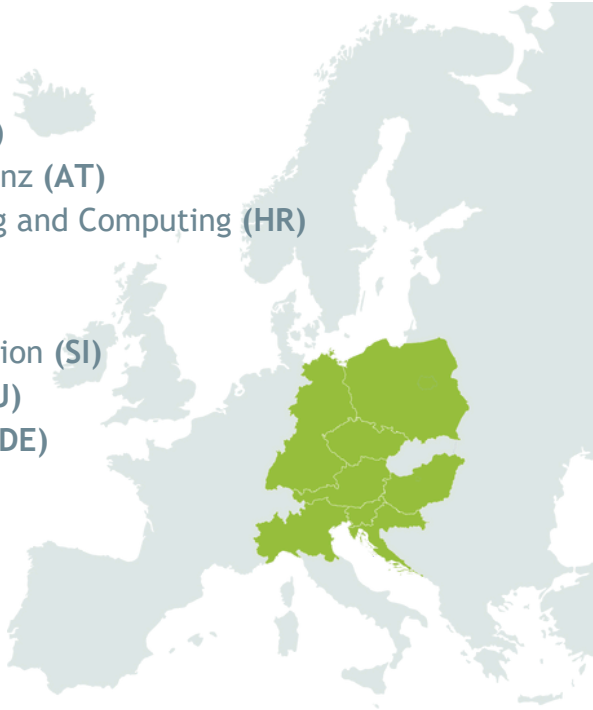
2. THE PROJECT CONSORTIUM

HyEfRe project consortium* consists of research institutes, energy development agencies and SMEs experienced in renewable energy and hydrogen integration, modelling, optimisation & IT, legal/economic assessment, and stakeholders engagement.

- **LP:** Landshut University of Applied Sciences **(DE)**
- **PP:** Mazovia Energy Agency **(PL)**
- **PP:** Regional Development Agency of South Bohemia **(CZ)**
- **PP:** Energieinstitut an der Johannes Kepler Universität Linz **(AT)**
- **PP:** University of Zagreb Faculty of Electrical Engineering and Computing **(HR)**
- **PP:** Energy Institute Hrvoje Požar PP Hrvatska **(HR)**
- **PP:** HyFuture GmbH PP Deutschland **(DE)**
- **PP:** Energy Agency of Savinjska, Šaleška and Koroška Region **(SI)**
- **PP:** South-Transdanubian Regional Innovation Agency **(HU)**
- **PP:** Deggendorf Institute of Technology PP Deutschland **(DE)**
- **PP:** WeEurope Srl SB **(IT)**



*MAP with with the partner countries (coloured in green)

3. HyEfRe KEY OBJECTIVES

The HyEfRe project develops in 3 main work packages, focusing to enhance the partners and target group's capacities to:

- **WP1:** Enable 5 regions in CE in planning and decision making of green hydrogen projects and make learning results and tools publicly available
- **WP2:** Support public authorities to improve social, regulatory and economic frameworks for green hydrogen implementation and provide business models for industry stakeholders
- **WP3:** Initiate the establishment of 8 hydrogen ecosystems in 8 CE countries to anchor tools and strategies and to provide implementation guidance, creating a network for joint actions

4. HyEfRe KICK-OFF MEETING

On July 10-11, 2024, the HyEfRe project kick-off meeting took place in **Ruhstorf an der Rott, hosted by the Landshut University of Applied Sciences.** This event marked a significant milestone in the project's journey, as it provided the partners, coming from different areas, with the opportunity to meet in person for the very first time.
Over the course of the two-day event, the project partners engaged in a series of in-depth discussions and interactive sessions designed to facilitate connections and foster a deeper understanding of each other's roles and contributions. Each partner could present their own companies directly to the consortium, showcasing their expertise, previous experiences, and the specialized skills they bring to the project.


HyEfRe partners at the Kick-off meeting

The agenda of the meeting also included detailed presentations on the project's management structure, work packages, expected outcomes, and communication strategy. These presentations served to clarify the project's goals and set up the workflow for the up-coming months. Moreover, discussions were held to better outline individual and collective responsibilities, allowing partners to articulate their tasks and goals within the context of the project. **These interactions were crucial in establishing a strong foundation for teamwork,** as they provided a platform for open dialogue, setting the stage for efficient collaboration throughout the project's duration.
On the last day of the meeting, the consortium was invited to participate in an engaging tour of the Landshut University of Applied Sciences LAB. This offered to the partners a look at the facilities and researches being conducted at the university, further inspiring them and reinforcing the importance of their collective work on the HyEfRe project.

In conclusion, this first meeting was not just about planning and logistics; it was about building lasting relationships and ensuring that everyone was aligned, motivated, and fully committed to move forward together.

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