



Interreg
North Sea



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LIHYP



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Why is the Hydrogen Networking Platform
being developed in LIHYP?

Strengthening the hydrogen ecosystem in the North Sea region: LIHYP Networking Platform

With the LIHYP Hydrogen Networking Platform, companies, research institutions, and investors now have access to a central hub for hydrogen projects, infrastructure, and suppliers in the North Sea Region.

[Read more](#)

Project News



Hydrogen directly from Wind and Solar

At Handest Hede in Northern Denmark, Eurowind Energy is currently developing a pilot Hydrogen Refueling Station (HRS) directly connected to a large-scale onshore wind and PV site.

[Read more](#)



H2N.O.N. - Hydrogen Day in Seevetal

Our LIHYP partner aconium GmbH representing the LIHYP project at the Hydrogen Day in Seevetal!

[Read more](#)



LIHYP Midterm Event at the Hydrogen Technology World Expo in Hamburg

Around 50 participants visited the LIHYP Midterm Event in Hamburg characterised by engaging exchanges, reflections of key insights from the first project phase and an outlook of what's coming next.

[Read more](#)



LIHYP Pilot Activity in Oldenburg

In Oldenburg our partners BMÖ, DLR and OLEC e.V. test fuel-cell cargo bikes for sustainable urban logistics powered by green hydrogen for replication in other regions.

[Read more](#)

Meet our Partners!



H2 Region Emsland

Our German partner is responsible for implementing an H2 platform that brings together stakeholders, supply and demand, projects and technologies.

[Read more](#)



DLR Institut für Vernetzte Energiesysteme

The partner DLR Institute of Networked Energy Systems participates with its valuable experience and knowledge on hydrogen infrastructure and installation and operation of refill hubs.

[Read more](#)



Hydrogen Valley

Meet our Danish Partner Hydrogen Valley, who are dedicated to advance the adoption of green hydrogen and accelerate PtX projects from production to offtake.

[Read more](#)



IDIT

Our partner IDIT - Institute of International Law for Transport and Logistic is involved in identifying and analysing existing policies and proposing regulatory recommendations to facilitate the development of the hydrogen market in the North Sea region.

[Read more](#)

[Partner Overview](#)

Insight LIHYP Work Packages



Work Package 3: Harmonizing Regulations and Gap Analysis

The transition to green hydrogen is gaining real momentum across Europe — and demand from the retrofit industry shows no signs of slowing down.

Across the North Sea Region, companies are exploring how to extend the life of existing commercial vehicles and industrial assets by converting them to run on hydrogen.

Yet, our recent analyses — the Mapping of Relevant Legislation (D3.1) and the Gap Analysis on the Green Hydrogen Economy (D3.2) — reveal that the pace of progress still depends strongly on political will and national regulatory frameworks.

While several member states have introduced promising national strategies, such as France's revised low-carbon hydrogen roadmap, Denmark's ambitious Power-to-X plan, and Belgium's hydrogen transport law, there remain significant differences between national regulations. These differences affect both market readiness and cross-border cooperation.

[Read more](#)

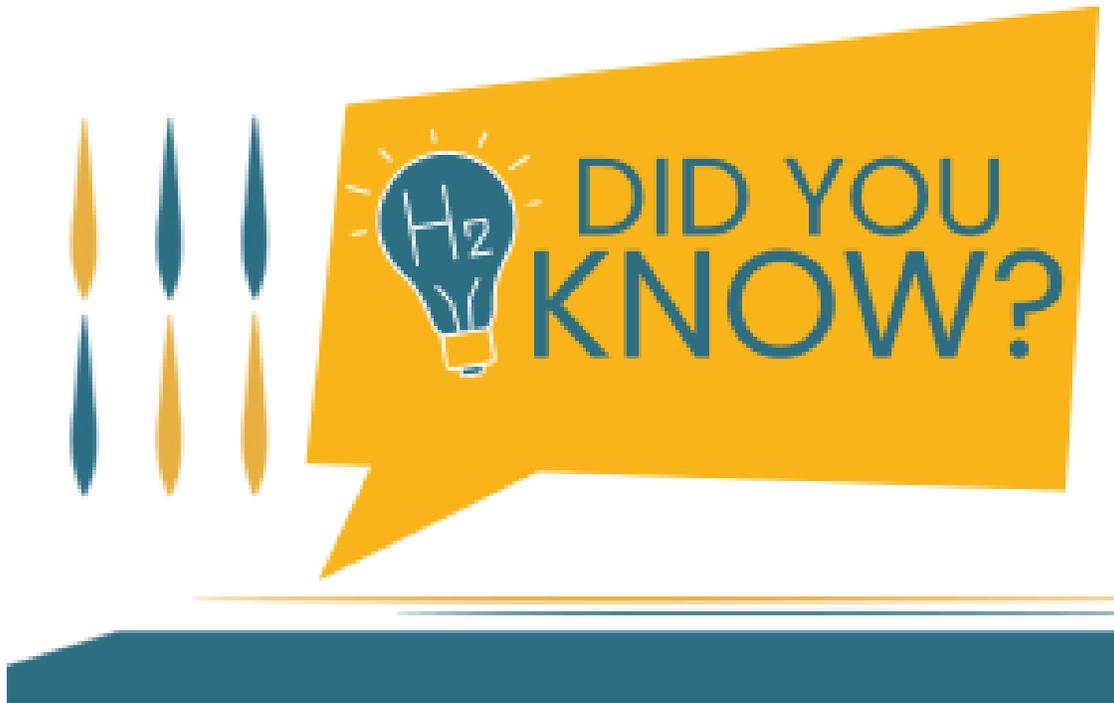


You can find more information here: [LIHYP Work Packages](#)

Contact and involvement : platform@lihyp.eu

Did you know?

Hydrogen is the most abundant element in the universe, but only accounts for around 0.14 percent of Earth's crust by weight. So what makes the simplest and lightest element so important for the energy transition?



Abundance of Hydrogen in the universe

Hydrogen occurs not only as a component of water in oceans, rivers, lakes, ice and the atmosphere, but also takes part in countless carbon connections and thereby can be found in all living tissues. As the element is present in nearly all organic compounds and also combines with all other chemical elements, except some noble gases, it can be assumed that hydrogen composites are even more common than the numerous compounds of carbon.

Energy Potential and Benefits of Hydrogen

Even though hydrogen cannot be found freely in the nature and has to be extracted either from methane or water, the gas offers a comparatively high energy content per unit mass. Green hydrogen, produced through emission-free electrolysis, can be particularly beneficial to heavy and emission-intensive industries like transport, buildings and power generation. Besides the direct usage, hydrogen is also suitable as an storage option, where energy can conveniently be stored and transported.

[Read more](#)

Visit the LIHYP Website!



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