

Dear reader,

Spring is finally here, giving us new energy and motivation to push ahead with important projects and goals in structural change. But what has happened in the first third of the year? I think the players in the Rhenish mining area already have a lot to show for themselves. And I would like to present an excerpt of this to you today in our HC-H2 Newsletter.

In brief: The Rhein-Kreis Neuss district has published its **hydrogen roadmap**, IN4climate.RR has a **new concept paper for a digital trading platform**, and Brainery Park is recording one **groundbreaking ceremony after another**.

Brainery Park is growing – and you can feel it! Sometimes it feels like you're sitting on a huge construction site: the streets are almost always dusty, construction vehicles and trucks are constantly driving back and forth, and I feel like I'm taking my car to the car wash more often than I used to. Nowadays, the police even stand on the corner sometimes to check speeds. And yet, it's all pretty great! Because now there's not only our **bakery Fatix**, but also the **Imbiss Lieselotte**, which serves delicious currywurst, chips, burgers, stews and more every Monday and Thursday right in front of the Startup Village. And everyone knows and meets each other in the neighbourhood. The more companies settle down at Brainery Park, the more people are around and the better we can network and identify potential interfaces. It is precisely this networking that our HC-H2 Brainery Park Connect format promotes, which took place for the 21st time in April.

You can also find us outside the Rhenish mining area: for example, at the Hannover Messe trade fair in early April, where some of our network partners had set up stands, including Hydrogen Hub Aachen, SupplHyInno Rhineland – the Hydrogen Clusters4Future and Wasserstoff Hub RKN/Rheinland e.V., as well as many others. And there's more to come: the **Zukunftstag in Jülich**, the **World Hydrogen Summit in Rotterdam** and the **Klimaschutzmesse in Übach-Palenberg** are just around the corner. 2025 has a lot in store for us and we are looking forward to it!

Enjoy reading

Yours Vanessa Düster, HC-H2 Network

Good News

Groundbreaking ceremony at the Brainery Park



REDUR GmbH & Co. KG, a leading manufacturer of innovative power transformers, transformers, filters and chokes with more than 120 years of experience, will build a **modern production and administration building with an area of around 7,000 square metres on a 13,227 square metre site**. The official ground-breaking ceremony took place at the end of March and promises not only the development of new technologies, but also the creation of more than 100 jobs in the long term.

[Read more](#)

We are 100!

In November the Institute for a Sustainable Hydrogen Economy (INW) welcomed its 100th employee. By the **end of April we will even have 113 colleagues on board**. This is fantastic, and we are delighted about the rapid growth and the new colleagues who will be joining us to drive forward the energy transition and structural change in the Rhenish mining area!

HC-H2 Close Up

Networking becoming real



We were also able to listen to exciting presentations at the HC-H2 Brainery Park Connect. In February, we were given a guided tour of the **multITESS facility at the FH Aachen**. The Solar Institute in Jülich is working on heat supply solutions, for which heat is considered on a temperature scale from 0 to 1,200 °C. We also gained deeper insights into the **energy system of the Brainery Park**, the **DENS-E**: Digital-Renewable-Sustainable-Innovative-Sector-Coupling Energy System at Brainery Park. A word of warning: things will get messy again soon when the pipes are laid underground throughout the park.

[Read more](#)

News from hydrogen research

In March, our HC-H2 Science Spotlight scientific lecture series took place for the first time across the street in the Startup Village. The large room offered plenty of space, which was well received: we had over 40 participants in person and another 30 who joined online. The speaker on this day was Prof. Bert Weckhuysen from Utrecht University, who gave a talk entitled **"Catalysis Achievements and Needs for the Refinery of the Future"**. The event is open to anyone interested in current topics related to hydrogen research. You can register [here](#).

Focus on the Rhenish Mining Area

Grüne Talachse

The **Grüne Talachse in the copper town of Stolberg** is characterised by **energy-intensive industrial companies**. An implementation strategy has been developed in collaboration with the copper town of Stolberg, the Städteregion Aachen, the Aachen Chamber of Industry and Commerce (IHK Aachen) and AGIT to transform the region's economy to become more energy-efficient. A series of productive workshops on **technical feasibility and infrastructure issues** were recently held as part of this initiative, followed by a **plenary meeting**.

[Read more](#)

An investment in the future

The Zukunftsgutscheine Rheinisches Revier (Rhenish Mining Area Future Vouchers) funding programme supports small and medium-sized enterprises in their transformation and alignment for the future. A **total of five Zukunftsscouts (future scouts) from the Chamber of Industry and Commerce in the region** are available for consultations. Among other things, the programme promotes the acquisition of external expertise for the reorientation of business models or the recruitment of new employees who enrich the transformation process in the company with new ideas and knowledge, as well as professional training and operational investments.

[Read more](#)

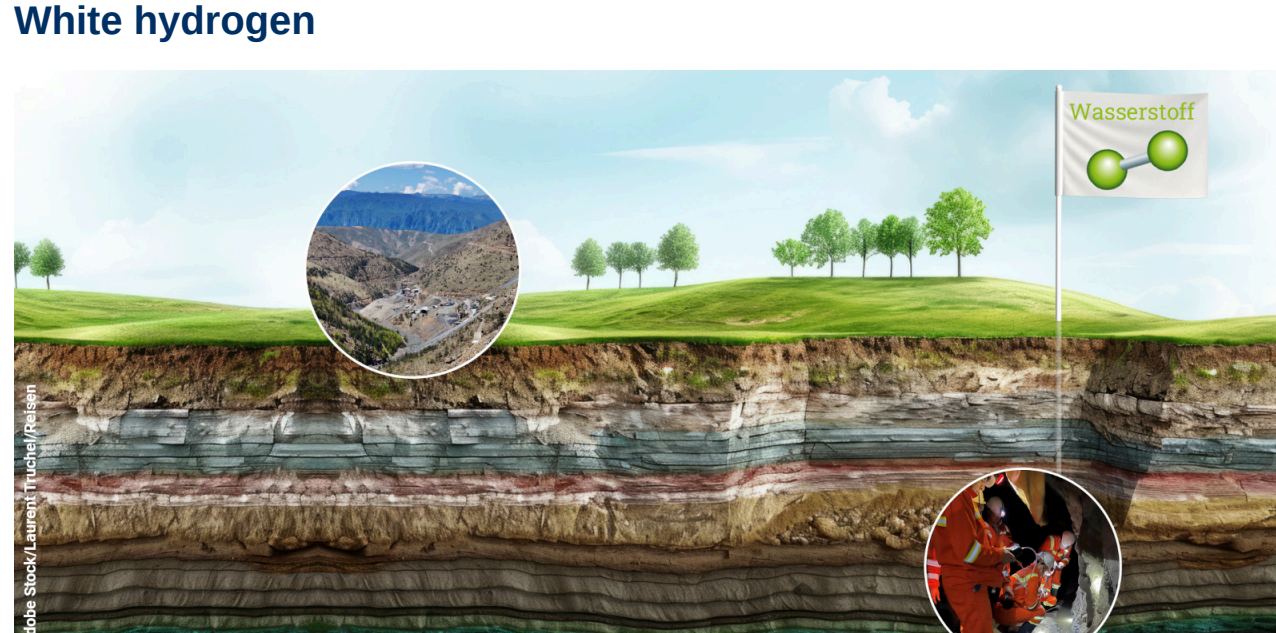
New publication: Concept paper "Trade4climate"

In the "Nachhaltige Kohlenstoffwirtschaft" (Sustainable Carbon Economy) future lab run by IN4climate.RR, a joint project of IN4climate.NRW and the Wuppertal Institute, the increased need to link sustainable carbon flows in a meaningful way was recognised. In order to **connect suppliers and consumers of sustainable carbon sources**, a concept for a digital trading platform called "Trade4climate" was developed. IN4climate.RR also organises the Zukunftslabore (future labs) "Industrial Hydrogen Economy" and "Circular Value Creation in Industry".

[Read more](#)

HC-H2 Documentary Series

White hydrogen



How much hydrogen could we actually extract from the Earth? According to a new study in Science Advances, it could **theoretically be up to five trillion tonnes** – although much of it lies deep beneath the seabed or is difficult to access. Even if only a fraction of this could be used, it would cover the global demand of up to 400 million tonnes per year. At the same time, researchers are reporting more and more discoveries of sources of white hydrogen.

[Read more](#)

Events

A Roadmap for Neuss

The Rhine district of Neuss (RKN) is on its way to a hydrogen future. And now this is becoming a reality: at the beginning of the year, the hydrogen roadmap developed in collaboration with the Hydrogen Hub Rhine District Neuss/Rhineland and the two consulting firms DMT Energy Engineers and Implement Consulting Group was presented. Now it is **time to implement it and generate additional future-oriented added value** and use hydrogen to create the basis for secure and climate-neutral electricity and heat generation.

[Read more](#)

Transformation dialogue

An important topic: The economic situation poses major challenges for companies. This makes it all the more important to engage in dialogue with them, as the Energy and Climate Protection Network of the Aachen Chamber of Industry and Commerce is doing. **After all, our location must remain viable for the future**. Together with the Hydrogen Hub Aachen and two exciting keynote speeches offering valuable insights into efficiency improvements and decarbonisation in industrial exhaust air purification, participants discussed how energy-intensive processes can be made more sustainable.

[Read more](#)

A parliamentary evening



It was already the third parliamentary evening (Parlamentarischer Abend) of the Metropolregion Rheinland: Under the motto **"Strong metropolitan regions for a climate-neutral Europe"**, around 200 representatives from politics, business, associations and administration from Brussels and the Rhineland met. The focus was on discussing the need for a forward-looking cohesion policy and future-oriented economic policy at EU level in order to achieve climate neutrality by 2050 and ensure competitiveness. The Forschungszentrum Jülich (FZJ) and the Helmholtz-Cluster Wasserstoff (HC-H2) were also present.

[Read more](#)

Upcoming Events

Kundgebung & Fest zum 1. Mai "Heraus am Tag der Arbeit"

01. May 2025, Hückelhoven am Schacht 3, Sophiast. 30

Aachen Hydrogen Colloquium

06. – 07. May 2025, Eurogress Aachen

Zukunftstag Jülich

10. May 2025, Schlossplatz Jülich

World Hydrogen Summit Rotterdam

20. – 22. May 2025, Rotterdam Ahoy

Klimaschutzmesse Übach-Palenberg

25. May 2025, Carolus Magnus Centrum

ENERGIETAGE Berlin

05. – 09. May digital, 26. – 28. May in person

London Tech Week 2025

09. – 13. June, Olympia London

Connecting Hydrogen Europe

18. – 19. June, Madrid

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