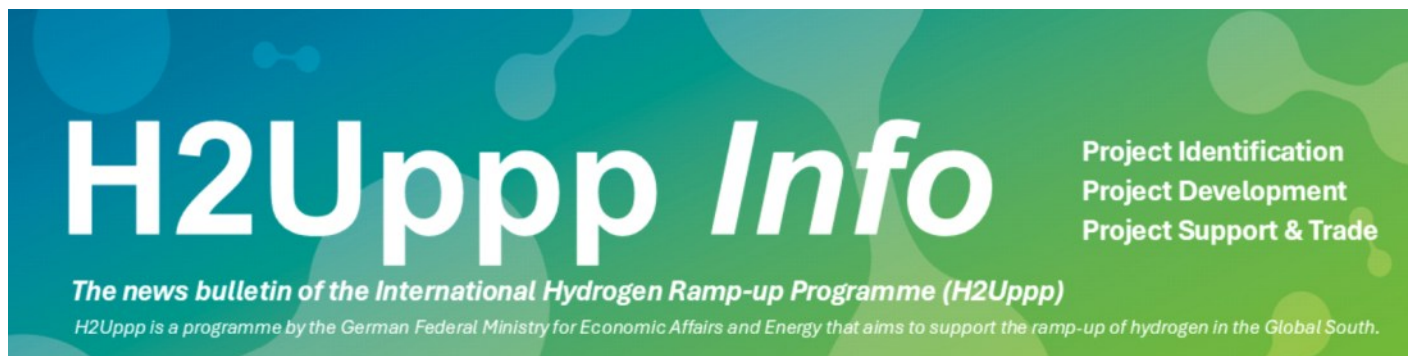




July 2026 / Newsletter #5

Dear Hydrogen Enthusiast,

After many ambitious announcements, the international green hydrogen and Power-to-X market is entering a more pragmatic phase. While slower-than-expected final investment decisions reflect persistent challenges around costs, regulation and demand creation, governments and industry continue to prioritise bankable projects, strategic partnerships and resilient value chains. Across key markets, the focus is shifting from ambition to implementation.

This edition of our newsletter reflects exactly that transition. From project development in South Africa, Brazil and Argentina to investment partnerships, technology exchange and international matchmaking, H2Uppp continues to help reduce early-stage risks and connect partners across the PtX value chain. These initiatives demonstrate that scaling green hydrogen will depend not only on technology, but also on collaboration, practical experience and international cooperation that turns promising concepts into investable projects.

Enjoy reading.

Yours sincerely,

Stephan Poth
H2Uppp Senior Programme Manager

Upcoming event

H2UpppForum - H2Uppp's Global PtX Forum Comes to Hamburg and Brussels

Mark your calendar: from **20–21 October 2026** and **26–30 October 2026**, H2Uppp will host the **H2UpppForum** at two of Europe's leading hydrogen events – the Hydrogen Technology World Expo in Hamburg and the European Hydrogen Week in Brussels. Participants can look forward to presentations of concrete PtX project examples from public-private partnerships across the entire value chain. These sessions will showcase cross-country learnings, highlight key lessons learned and explore opportunities for scaling PtX solutions globally. The forum will further feature high-level networking opportunities, B2B matchmaking and excursions, creating valuable opportunities for collaboration and knowledge sharing across the international hydrogen and PtX community.

South Africa

GeFP Secures Development Funding Following a PPP

Following a Public-Private Partnership (PPP) with H2Uppp, Green eFuels Producers (GeFP) [has secured development funding](#) of up to USD 4 million from Climate Fund Managers' SA-H2 Fund to advance South Africa's first wastewater-to-green-methanol project. Through the PPP, H2Uppp supported FEV GmbH, INM and GeFP in assessing key pre-feasibility aspects, including certification pathways, transport logistics and long-term feedstock supply. These analyses helped strengthen the project's development readiness, contributing to GeFP's successful fundraising milestone and helping the innovative circular green methanol project

progress from early-stage project development one step closer to implementation. The PPP is running until September 2026, and we look forward to sharing project results in the coming months. Read more about the [PPP](#).

Brazil

Eight Projects Advance in H2Uppp Green Hydrogen Call



The preliminary results of the H2Uppp call for projects promoting green hydrogen and its derivatives in Brazil have been announced. In June, Germany's BMW and the European Union decided that nine PPP-projects will advance to the next stage of the application process. The announcement was made at the EU-Brazil Investment Forum in Brasilia by Jozef Síkela, European Commissioner for International Partnerships in the presence of the German Ambassador Bettina Cadenbach. In his speech, Síkela highlighted the importance of the initiative: "Through H2Uppp with GIZ, we are financing projects that bridge the gap between a good idea and available funding. Today, we are taking them to the next stage." [Read more.](#)

Brazil

São Paulo and Germany Align for Sustainable Fuels

InvestSP, São Paulo's investment promotion agency and GIZ want to accelerate investments in Sustainable Aviation Fuel (SAF), green hydrogen, and other Power-to-X technologies. A respective letter of intent was signed at Hannover Messe in April. The envisioned partnership will be supported by the European Union through Global Gateway and Germany and implemented under the H2Uppp.

Key action points:

- Promote investment in SAF, green hydrogen, and PtX technologies.
- Establish a collaborative business hub connecting investors, companies, and research institutions.
- Develop a joint work plan to guide future cooperation and project implementation.
- Strengthen Brazil-Germany collaboration in clean energy and sustainable development.

[Read more.](#)

Brazil / New PPP

Morro Pinto: Fuelling DB's Net Zero Agenda

Deutsche Bahn (DB) and partners have launched the Morro Pinto project in Brazil under H2Uppp to develop green ammonia and e-methanol production with export logistics to Europe. The consortium comprises DB Engineering & Consulting GmbH, thyssenkrupp Uhde GmbH, Green Investors AG and Brazil Green Energy. The initiative underpins DB's plan to decarbonise its fleet by 2040, including assessing hydrogen and green ammonia as substitutes for diesel locomotives in freight operations.

At the Morro Pinto site in north-east Brazil, the partners, working with GIZ, are evaluating grid and dedicated renewable power options, water availability and treatment, carbon sources for e-methanol (including CO₂ extracted from seawater), and the technical and economic parameters of power-to-X production. The scope also covers infrastructure and logistics for export to Europe.

A first physical shipment of green ammonia or methanol to Germany is planned to test the end-to-end value chain within DB operations and to identify any regulatory or logistical hurdles ahead of scale-up.

Argentina / New PPP

Villa María New Energy: E-fuels Market Development in Argentina

In a public-private partnership, eab New Energy GmbH (Saxony, Germany), SEG INGENIERIA S.A., and ACA Bio (Argentina) have launched a project to assess the potential for producing e-fuels from biogenic carbon generated by the agricultural sector in the province of Córdoba, Argentina.

The partners will investigate the use of biogenic CO₂ captured from fermentation and combustion processes in bioethanol production and combine it with renewable hydrogen to produce e-fuels. The study will evaluate available carbon streams, water resources for electrolysis, renewable energy generation potential, and the techno-economic feasibility of hydrogen and e-fuels production.

In addition, the project will optimise transport and infrastructure requirements and conduct a sustainability analysis, including the assessment of relevant regulatory frameworks. A market analysis will identify potential off-takers in the chemical, aviation, and maritime sectors. The results will provide project developers in Argentina with a sound basis for developing viable business models, identifying key stakeholders along the value chain, and positioning future projects in both domestic and international markets.

PPP with Wilo

H2Uppp Delegation Visits Wilopark Dortmund



Initiated by H2Uppp, a delegation from Brazil and Chile visited Wilo in Dortmund, together with representatives from Siemens and ApexBrasil. During the visit, the group gained insight into Wilo's production processes and technological developments – including the H2POWERPLANT, a modular solution for the decentralised production of green hydrogen at industrial sites. The system combines renewable energy, electrolysis, and integrated energy management to enable local hydrogen generation and its direct use in industrial applications. The exchange also reinforced cooperation among stakeholders across the green hydrogen value chain and contributed to identifying scalable approaches that can support the hydrogen transition in Brazil and Chile. [Read more.](#)

India

From Ambition to Action: Building India's Green Hydrogen Ecosystem



India's ambition to become a global green hydrogen hub is closely tied to its broader energy transition goals: reducing dependence on fossil fuel imports, decarbonising industry, and positioning itself as a future exporter of green hydrogen and PtX products. Yet moving from ambition to implementation has required overcoming a series of interconnected challenges – from technology readiness and market formation to regulatory alignment and international cooperation. H2Uppp has supported this transition by acting as an enabler, connector, and catalyst. [Read more.](#)

3 Questions to the Expert

"India's Hydrogen Market Has Moved from Vision to Implementation"

India aims to become a global green hydrogen hub, but building a new industry requires more than ambitious targets. Through trainings, partnerships, matchmaking, and policy dialogue, H2Uppp has supported the development of India's hydrogen ecosystem. We spoke with Divya Joshi from GIZ India about the impact of this engagement.

What were the biggest challenges facing India's green hydrogen sector when H2Uppp began its work?

Divya Joshi: India had strong ambitions for green hydrogen, but when H2Uppp began its work, the ecosystem was still at an early stage. One of the biggest challenges was the limited awareness and understanding of green hydrogen and its derivatives among many stakeholders. Many were still seeking clarity on the applications, business potential, costs, and role of green hydrogen in the energy transition. Hands-on experience with technologies such as electrolyzers and fuel cells was also limited, while producers, technology providers, policymakers, financiers, and potential buyers often operated separately. H2Uppp responded by supporting technical exchange, training programmes, and networking formats that helped build expertise and connect actors across the value chain.



Divya Joshi is a Communications Specialist with H2Uppp India, supporting outreach and capacity-building activities related to green hydrogen. She believes that strong partnerships and knowledge sharing can help unlock the potential of green hydrogen while fostering closer Indo-German collaboration.

How has H2Uppp helped turn interest in hydrogen into concrete projects?

Joshi: One major challenge was the gap between Indian producers and European and especially German offtakers. Without clear demand signals, projects struggled to advance. H2Uppp addressed this through matchmaking activities, business dialogues, and public-private partnerships. The programme also supported stakeholders in understanding certification and regulatory requirements for export markets. Initiatives such as the Green Ammonia Export PPP and cooperation between the Indian Gas Exchange and European Energy Exchange helped bring market participants together and ground discussions in practical business realities.

What impact has the programme had on the broader ecosystem?

Joshi: Perhaps the biggest change is that the conversation has shifted from whether green hydrogen is relevant to how projects can be implemented. Indian stakeholders are

increasingly engaged in international hydrogen discussions, while H2Uppp's studies, roadmaps, and technical analyses are widely used across the sector. The programme has also helped companies move from initial ideas to structured projects, including partnerships focused on localisation, skills development, and supply chains. As many initiatives continue beyond the lifetime of individual PPPs, H2Uppp is helping establish the networks, knowledge, and cooperation structures that can support India's long-term ambitions in the global hydrogen economy.

Upcoming Events

Hyvolution Chile - RENOVATING THE INDUSTRIAL ENERGY FUTURE

September 1-3, 2026, at Metropolitan Santiago: The Chilean branch of one of Europe's leading events for green hydrogen in the energy, industry, and mobility sectors.

African Green Hydrogen Summit 2026

September 15-16, 2026, Century City Conference Center, Cape Town, South Africa: The leading hydrogen-focused event on the African continent, offering a platform focused on tangible strategic investments and future-focused developments.

H2UpppForum @ Hydrogen Technology World Expo in Hamburg

October 20 - 21, 2026: H2Uppp will host a global PtX forum at HTWHH, showcasing cross-country learnings, highlighting key lessons learned and exploring opportunities for scaling PtX solutions globally. Contact: veit.raisch@giz.de

H2UpppForum @ European Hydrogen Week

October 26–30, 2026: H2Uppp will host a global PtX forum at EHW, showcasing cross-country learnings, highlighting key lessons learned and exploring opportunities for scaling PtX solutions globally. Contact: veit.raisch@giz.de

Bioenergy in Vietnam

Taking place in **Ho Chi Minh City** from **2 - 6 November 2026**, this energy trade mission provides a structured entry into Vietnam's dynamic market, enabling participants to leverage German bioenergy expertise to tap into the vast and largely unexploited potential of local biogenic residues. Contact: [German Energy Solutions | Events](#)

Caribbean-German Energy Conference: Sustainable Energy Solutions for Islands

Aruba, Bonaire and Curaçao, November 10, 2026: The conference will showcase the expertise and the latest energy solutions from Germany and Aruba, Bonaire and Curaçao. It will provide a forum for networking, specialist talks, discussing current developments and the policy environment for smart sustainable energy solutions. Contact: [German Energy Solutions | Events](#)

H2 Uppp

As a federally owned enterprise, GIZ supports the German Government in achieving its objectives in the field of international cooperation for sustainable development.

Published by:
Deutsche Gesellschaft
für Internationale Zusammenarbeit (GIZ) GmbH

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July 2026

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The International Hydrogen Ramp-up Programme (H2Uppp) is supporting entrepreneurial engagement in the ramping-up of hydrogen in the Global South and is a funding programme of the German Federal Ministry for Economic Affairs and Energy (BMWE), implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).



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