

# H2Uppp *Info*

Project Identification  
Project Development  
Project Support & Trade

*The news bulletin of the International Hydrogen Ramp-up Programme (H2Uppp)*

*H2Uppp is a programme by the German Federal Ministry for Economic Affairs and Energy that aims to support the ramp-up of hydrogen in the Global South.*

**Issue #3, January 2026**

## Expecting a Decisive Year for Green Hydrogen

Dear hydrogen enthusiasts,

The hydrogen sector can look back on 2025 as a year marked by strong momentum. Global investment in clean hydrogen rose from USD 75 billion in 2024 to USD 110 billion in 2025. At the same time, the global footprint continued to widen: according to the Energy Industries Council, Africa – particularly Egypt, Morocco and Algeria – is rapidly emerging as a key player thanks to promising export routes to Europe.



Latin America is also stepping up, confirming that hydrogen is no longer just a European or East Asian story, but a truly global one. At H2Uppp, we are proud to have contributed to this shift by supporting 31 privately driven projects to date that are advancing green hydrogen and PtX initiatives worldwide.

Looking ahead, 2026 will be a decisive year. It may not yet bring a full breakthrough, but it will likely distinguish over-ambitious concepts from viable, scalable projects. If costs continue to fall, policies remain supportive, and offtake and infrastructure further mature, green hydrogen and PtX can secure a much stronger foothold – particularly in industrial applications, energy storage, and export markets.

As a programme of the German Federal Ministry for Economic Affairs and Energy, H2Uppp will continue to move at full speed in 2026, supported by a robust pipeline of PtX partnerships with the private sector.

Wishing you a successful and inspiring 2026.

Yours sincerely,

Regine Dietz

Head of Programme

## Call For Proposals

### Brazil

## H2Uppp Launches Call for PPP Project Ideas

H2Uppp is inviting project proposals to advance green hydrogen and PtX solutions in Brazil. Backed by the German Federal Ministry for Economic Affairs and Energy (BMWE) and the EU, the programme supports German and European companies through public–private cooperations implemented with GIZ. Funding of up to €300,000 is available, with projects covering the full hydrogen value chain. Proposals are open **until 30 March 2026**.

More details and application information are available on the H2Uppp [website](#).

## New PPPs

### Liquid Organic Hydrogen Carrier

## A Hydrogen Corridor from North Africa to Europe



Hydrogenious LOHC Technologies and H2Uppp have launched the LOHC Bridge PPP project to explore the potential of Liquid Organic Hydrogen Carriers (LOHC) for transporting green hydrogen from Egypt and Morocco to Europe. The project will assess LOHC-based transport infrastructure, compare it with other options, and identify key design elements, involving local stakeholders like the Suez Canal Economic Zone and IRESEN. The initiative supports regional ambitions to become green hydrogen hubs and decarbonize key industries. [Read more.](#)

Photo: Hydrogenious LOHC Technologies

### From Sugarcane to PtX

## Advancing Brazil 's Sustainable Energy Future

Siemens Brazil, Cocal and H2Uppp have teamed up to integrate green hydrogen and PtX into Brazil's sugarcane ethanol industry. Signed during COP 30 in Belém, the partnership will assess and demonstrate the feasibility of integrating the production of green hydrogen and other renewable fuels into Brazil's sugarcane ethanol industry. In addition, it will seek to establish a replicable model for the decarbonisation of industrial operations that will serve as a strategic reference for large-scale hydrogen and renewable fuel initiatives in Brazil, thereby strengthening bilateral cooperation with Germany in sustainable energy transition.



Sealing the collaboration: (L–R) André Gustavo Alves (Cocal), Markus Francke (GIZ), and Fabio Koga (Siemens)  
Photo: GIZ

[Read more.](#)

### Decarbonising Industries

## Integrated H<sub>2</sub> Power Plants For LATAM



The Hyvolution Chile exhibition and congress in September 2025 marked the official launch of the new public-private cooperation 'H2 Power Plants for LATAM', a joint initiative by Wilo and GIZ under the H2Uppp programme, supported by the German CHambers of Commerce Abroad (AHK). The initiative will deploy modular 230 kW green-hydrogen solutions for industrial applications in Chile and Brazil, delivering integrated hydrogen, energy, and oxygen supply for industrial processes. [Read more](#) (scroll for English text).

*Representatives from GIZ, WILO and AHK Chile ratified the cooperation contract.*

Photo: GIZ ConoSur

## Vietnam

# Advancing Green H<sub>2</sub> with New Technology and a Business Hub

Vietnam targets up to 500,000 tons of hydrogen production by 2030, with potential growth to 20 million tons by 2050. To support this goal, H2Uppp and the Vietnamese-German University, together with seven leading companies, are establishing a Green Hydrogen Technology and Business Hub. The Hub will foster collaboration between industry, academia, and government, accelerate green hydrogen adoption, and showcase real-world technologies to help decarbonize transport, manufacturing, and the energy system.



Photo: Khoi-do, unsplash

**Deep Dive**

### 3 Questions to the Expert

## “H2Uppp helps lowering the risks associated with entering new markets”

### How does H2Uppp assist German and European companies to venture into hydrogen markets in the Global South?

**Janka Clauder:** H2Uppp helps lowering the barriers and risks associated with entering new and emerging markets. It supports companies in identifying, preparing and implementing green hydrogen and Power-to-X (PtX) projects in developing and emerging markets. Through H2Uppp, companies gain access to in-country expertise, market analyses, and country-specific support – including regulatory, trade-related and socio-economic advisory. And, of course, it allows companies to tap into GIZ’s network in partner countries, where GIZ has been working for many years in the energy sector. Moreover, H2Uppp implements public-private cooperation, so-called PPPs, in which German and European firms work together with GIZ and often with local companies on specific questions related to hydrogen projects.



*Janka Clauder is thrilled by the growing PPP-portfolio in H2Uppp with exciting companies and projects. As PPP focal point at GIZ’s headquarters since 2022, she has seen the evolution of the hydrogen market and ever-growing interest from companies in Germany and Europe to join forces with GIZ in international endeavours.*

### H2Uppp looks at early-stage project development – how so?

**Clauder:** H2Uppp focuses on the initial phases of project identification, feasibility assessment, and preparation – before full-scale construction or commercial operation. In practice, that means scouting project ideas, conducting market and value-chain analyses, defining business models, and exploring potential production and utilisation paths for green hydrogen or PtX in the partner country. We cooperate with the German Chambers of Commerce Abroad and profit from their local networks. More information available on a specific market will reduce the costs of project development and of course the risk related to project development in the partner country.

### Are you looking at the entire value chain or just parts of it?

**Clauder:** H2Uppp supports projects along the *entire* green hydrogen and PtX value chain – not only production, but also storage, conversion, transport and utilisation. That means that we implement PPPs related feedstock like carbon sources and water, green ammonia and methanol production, but also on hydrogen use in industry, on shared infrastructure, H2 port readiness as well as hydrogen transport, you name it. We follow the market demand. In addition, we help develop the surrounding enabling environment and increase local demand: regulatory frameworks, market readiness, and business models – which are crucial for long-term viability and scaling.

### H2LATAM Summit

## H2Uppp Gathers International H<sub>2</sub> Community in Brazil



*Representatives from different institutions at the inauguration ceremony of the summit.*

Photo: GIZ Brazil

The 2025 edition of the H2LATAM Summit held in Fortaleza, Brazil, and organised by H2Uppp and the Federation of Industry of the State of Ceará (FIEC), brought together more than 450 participants. Delegations from across Latin America and Europe joined the event, including representatives from government, industry, business associations, and leading research institutions. Check out the [video](#) to relive the highlights and read a full [recount](#) of the conference (in Portuguese).

### H2LATAM Summit

## Assessing the Potential of e-Fuels from LATAM

As part of the H2LATAM Summit 2025 in Fortaleza, the H2Uppp Colombia team led [a panel discussion](#) on Latin America's role in the future of climate-neutral synthetic fuels. The panel explored regulatory mechanisms and opportunities for regional cooperation, shared key lessons learned, and highlighted strategies to advance the development of hydrogen and synthetic fuel hubs.

*H2Uppp experts Patricia Dávila and Jan-Hendrik Scheyl discuss e-fuels.*



Photo: GIZ

## Hydrogen in Africa Conference

### Showcasing LATAM PPPs in Africa

H2Uppp and the Egyptian-German Green Hydrogen Partnership hosted a session on **how to boost Egypt's green hydrogen competitiveness** at the Hydrogen in Africa Conference in Cairo in October, bringing together around 50 industry and public-sector leaders. Insights from H2Uppp projects in Chile – on [ammonia plant pooling](#) and [brine valorisation](#) – helped transfer global lessons to Egypt's emerging hydrogen market. [Read more](#).

## Webinar

### Colombia's Road to Decarbonising Maritime Transport

At the 9<sup>th</sup> H2Uppp featured Colombian-German Green Hydrogen Roundtable webinar, experts [shared](#) strategies to decarbonise maritime transport, a key sector for the energy transition. Germany and Colombia showcased advances in e-fuels, low-carbon technologies, and research capacities.

## Chile / Frontera Project

### Clean Energies from Tierra del Fuego

H2Uppp and ACCIONA Nordex Green Hydrogen [launched](#) the Frontera Project at the University of Magallanes in Tierra del Fuego in Chile. The initiative pairs a wind farm with an electrolysis and Haber Bosch plant to produce green hydrogen and ammonia for local use and potential exports to Europe. The launch also highlighted community engagement and building lasting local partnerships. Find out more about the [project](#).

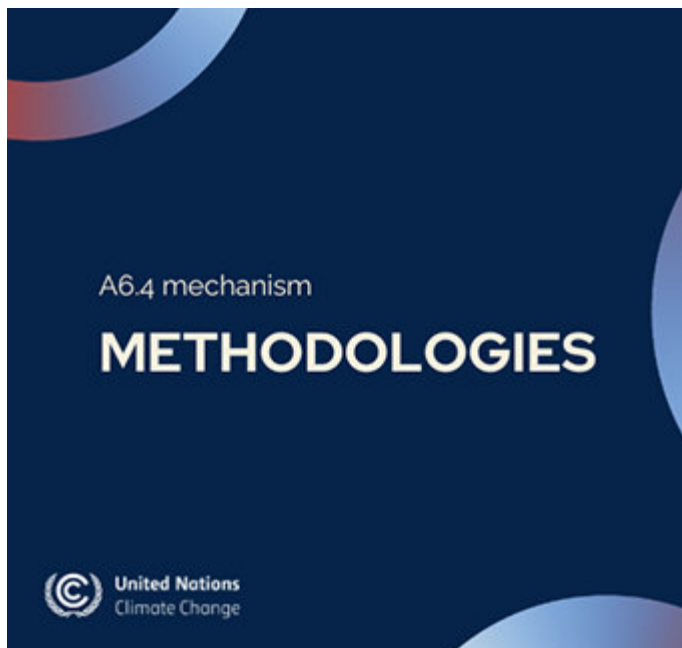


Photo: GIZ

**PPP Activity**

## Paris Agreement

# A Credit Mechanism for e-Fertilizer



In a PPP with H2Uppp, Perspectives Climate Research gGmbH has developed an Article 6.4 methodology for green fertilizer production. The methodology, submitted to the Paris Agreement Crediting Mechanism (PACM) is open for public consultation until **27 January 2026**. Being part of the frontrunner group of submissions, the proposed methodology suggests being globally applicable for greenfield and brownfield project activities that produce ammonia for fertilizers primarily with renewable electricity. Feedback to the methodology can be submitted as per the procedures of the Paris Agreement Crediting Mechanism. View the full methodology [here](#).

Credit: UNFCCC

## Colombia / Business Case Lab

# Investigating Colombia's Hydrogen roadmap



A business case lab hosted by H2Uppp in Colombia explored opportunities and challenges for a green hydrogen and PtX hub in Atlántico, Colombia. Participants identified regional strengths and outlined initial priority actions to produce, store, and export green hydrogen and derivatives — potentially including ammonia, methanol, and green steel. The lab marked a first step toward a roadmap for establishing Atlántico as a national and regional model for renewable energy–driven industrial transformation. [Read more](#).

Photo: GIZ

## Brazil / Safe Hydrogen Handling

# Green H<sub>2</sub> Port Operations Course Successfully Launched



SENAI Ceará has [kicked off](#) a 40-hour training course on port operations with green hydrogen and derivatives. The curriculum was established in a [public-private cooperation](#) with TÜV Rheinland and GIZ under the H2Uppp programme. It equips professionals and students with practical skills for safe hydrogen and derivatives handling, supporting Ceará's industrial transition and port development to a green hydrogen economy. A first class of more than 20 learners successfully [graduated](#) in October 2025 and next classes are already scheduled.

Photo: GIZ

## Vietnam

### Unlocking Vietnam's Hydrogen Potential

[A GH2 symposium](#) by H2Uppp gathered more than 100 leading experts, policymakers, and business leaders in Hanoi to discuss strategies, technologies, and partnerships advancing Viet Nam's transition towards a green hydrogen economy.

## Vietnam

### Green Hydrogen Hub kicks off GH2&PtX trainings

The Green Hydrogen Hub Vietnam was officially [launched](#) with two basic trainings on green hydrogen and PtX, marking a major step forward in the country's efforts to develop its green hydrogen economy and accelerate the energy transition.

## Publications



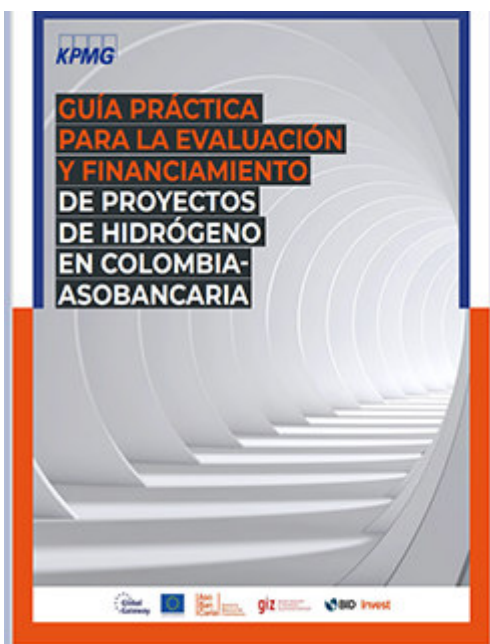
### New CBAM toolkit for hydrogen and fertilizer

H2Uppp and PtX Hub have jointly published the [CBAM Readiness Toolkit](#) to provide guidance on how emissions can be determined under the European Union's Carbon Border Adjustment Mechanism (CBAM). In the lead up to the CBAM definitive period starting in 2026, the toolkit helps to increase readiness. The toolkit offers guidance on hydrogen and fertilizer products - others will follow.

[1. Hydrogen Guidance](#)

[2. Fertiliser Guidance](#)

[3. Market Offer Overview Emissions Monitoring](#)



### Bridging the language of finance and energy for bankable hydrogen projects

In partnership with Asobancaria, IDB Invest, and the EU's Global Gateway strategy in Colombia, H2Uppp launched the [Practical Guide for Evaluating and Financing Hydrogen Projects in Colombia](#). The guide is in Spanish and is a key step in building trust, enabling investment, and accelerating Colombia's energy transition.

## Upcoming Events

### **GH2 Business Delegation to India**

16.-  
20.03.2026

During a trade conference on 17 March 2026 in Delhi, companies can present their PtX business. Apply at [German Energy Solutions](#) (in German only).

### **Energy Business Delegation to Chile**

23.-  
27.03.2026

Exploring business opportunities in the field of decentralised energy supply and storage in Chile. Apply at [German Energy Solutions](#) (in German only).

### **Visit the Federal Ministry for Economic Affairs and Energy (BMWE) at HANNOVER FAIR**

20.-  
24.04.2026

BMWE resides in **Hall 11, B49** and its **Partnering with Germany Programme** in **Hall 11, E75**.

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