



5th Edition  
**International Hydrogen  
Congress**

Energy that powers new industries

**MAY 13-14**  
**Grand Hyatt Hotel**

## 5th International Hydrogen Congress

Bogotá, Colombia | May 13 – 14, 2026

*Hotel Grand Hyatt Bogotá*

*Organized by the World Energy Council Colombia and Hidrógeno Colombia*

### ABOUT THE EVENT

The 5th International Hydrogen Congress took place on May 13 and 14, 2026, at the Hotel Grand Hyatt in Bogotá.

The congress brought together representatives from government, industry, academia, and multilateral organizations from across the world, consolidating its position as the leading forum for technical, regulatory, and financial dialogue on hydrogen in Colombia and the region. The turnout itself was a clear signal of the momentum behind the sector.

<b>2 days</b> of technical agenda	<b>+350</b> attendees	<b>8</b> panels & roundtables	<b>+40</b> national & international speakers
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### OPENING CEREMONY & MINISTERIAL ADDRESS

The congress opened with the participation of Colombia's Minister of Mines and Energy, Edwin Palma, whose address reaffirmed the National Government's commitment to the energy transition and the development of hydrogen as a strategic vector for the country.

The opening session also featured international perspectives from the International Energy Agency (IEA) and the European Union Delegation in Colombia, who presented the global hydrogen landscape and Europe's support for Colombia's Hydrogen Roadmap.



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### **HYDROGEN TODAY: A MARKET MORE ALIVE THAN EVER**

One of the congress's key messages was clear: the hydrogen industry is more alive today than ever before. The numbers speak for themselves:

- Installed electrolysis capacity worldwide grew ninefold between 2021 and 2025, from 0.6 to 4.9 GW.
- Global electrolyzer manufacturing capacity grew sixfold: from 9 GW/year to 57 GW/year.
- Annual investment in projects grew 16 times over, from USD 500 million to USD 7.9 billion — committed capital, not just announced.
- Low-emission hydrogen production grew 60%, reaching 1 million tonnes per year.
- More than 200 projects now have a final investment decision; in the past year alone, those decisions grew by nearly 20%.
- 65 countries now have a national hydrogen strategy — up from just 23 in 2021 — representing 85% of global energy-related CO<sub>2</sub> emissions.

This expansion is led by China (65% of installed electrolysis capacity), the European Union (policy framework and €19 billion in cross-border projects), the United States (USD 1.7 billion in industrial demonstration projects), India (target of 5 million tonnes by 2030), Japan (15-year contracts for difference), and Saudi Arabia (NEOM project, 2 GW by 2027).





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### COLOMBIA: REGULATORY FRAMEWORK & SECTOR FIGURES

In less than five years, Colombia has built a comprehensive regulatory framework for hydrogen:

- 2021: Law 2099 — recognition of blue and green hydrogen as Non-Conventional Renewable Energy Sources — and the Hydrogen Roadmap developed with the IDB and the United Kingdom.
- 2022: Decree 1476 and CONPES 4075 — institutionalization of the sector within the National Energy Transition Policy.
- 2023: Law 2294 — pioneering recognition of white (geological) hydrogen as a renewable source, a step few countries have legislated.
- 2024: Decree 1597 — formal definition of low-emission hydrogen and guidelines for its certification, a prerequisite for accessing export markets.
- 2025: Hydrogen Law in progress — extending incentives to derivatives such as green ammonia and methanol.

The sector figures reflect active development:

<b>+40</b> projects in development	<b>18 GW</b> technical electrolysis potential	<b>USD 40B</b> estimated investment	<b>2</b> industrial-scale projects
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**AGENDA — DAY 1: MAY 13, 2026**

Day one covered the international landscape, public policy, hydrogen hubs, green fertilizers, and sustainable aviation fuel (SAF):

Horario	Tema / Sesión	Panelistas / Ponentes destacados
08:30 – 09:00	<b>Opening Ceremony</b>	<i>Minister Edwin Palma; WEC Colombia; Hidrógeno Colombia</i>
09:00 – 09:30	International Hydrogen Landscape – Global Hydrogen Review 2025	<i>IEA</i>
09:30 – 10:00	National Hydrogen Overview – Government Perspective	<i>Ministry of Mines &amp; Energy</i>
10:00 – 11:00	EU Support for Colombia's Hydrogen Roadmap	<i>EU Delegation in Colombia</i>
11:15 – 12:15	Panel: Hydrogen Hubs — Challenges for Project Acceleration	<i>Atlántico, Antioquia, Valle del Cauca, Andalusia (Spain)</i>
12:15 – 12:45	SAF Status — Global Implementation Progress	<i>GIZ / PtXHub</i>
14:30 – 15:00	Green Ammonia Competitiveness in La Guajira — Export-Oriented Commercial Project Analysis	<i>GGGI / Hincio</i>
15:00 – 15:45	Roundtable: Lessons Learned – Villeta Project Finance & Incentives	<i>Casale, IFC, IDB Invest, Ministry of Energy</i>
15:45 – 16:45	Panel: Green Fertilizers Overview — Colombia and the World	<i>Monomeros, YARA, Nestlé, BioD</i>
17:00 – 17:30	Panel: Policy & Regulation Advances and Needs for Hydrogen	<i>CREG, Ministry of Energy, DNP, Espinel Abogados</i>
17:30 – 18:30	Panel: SAF — Opportunities and Challenges for Project Development	<i>ALTA, Ministry of Mines, Pulzo</i>



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**AGENDA — DAY 2: MAY 14, 2026**

Day two focused on maritime transport, project finance, technology (electrolyzers, biorefineries), mobility, and European market perspectives:

Horario	Tema / Sesión	Panelistas / Ponentes destacados
08:00 – 08:30	Proyecto Coral — Lessons Learned	<i>Ecopetrol</i>
08:30 – 09:00	Electrolyzer Report Presentation — ELY ESMAP	<i>World Bank</i>
09:00 – 09:30	New Business Models for Green Hydrogen and Derivatives	
09:30 – 10:30	International Panel: Maritime Transport & Bunkering	<i>DIMAR, Panama Canal, MTCC, IDB Invest, FDN</i>
10:30 – 10:50	Toyota Multipath Strategy — Toyota Mirai	<i>Toyota Colombia</i>
11:00 – 11:30	Project Finance Advances for Hydrogen Development	<i>IFC/World Bank, FDN, KfW</i>
11:30 – 12:30	Panel: Binational Dialogue Colombia – Panama (Maritime Transport)	<i>Panama Maritime Chamber, DIMAR, IDB Invest</i>
14:30 – 15:20	Panel: Technology Advances for Maritime Transport with Hydrogen & Derivatives	<i>EcoMov, LD Armateurs, RINA Consulting</i>
15:20 – 15:50	Natural Hydrogen in Colombia — Results Redefining Subsurface Potential	<i>ANH</i>
15:50 – 16:20	Sustainable Biorefinery Development for Hydrogen & Derivatives Production	<i>Unisabana, World Bank, Ecopetrol</i>
16:35 – 17:35	Panel: Transport & Industry — Available and In-Use Solutions	<i>Ventus, Logyca, H2 Verde Israel; moderated by WEC Colombia</i>
17:35 – 18:05	Hydrogen & Derivatives Outlook — European Market and CBAM Implications	<i>PtXHub / GIZ</i>
18:05	<b>Closing Cocktail</b>	



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### CROSS-CUTTING THEMES OF THE AGENDA

Across both days, panels and presentations converged on eight strategic priorities that will shape the sector's agenda in the years ahead:

- Incentives and demand mechanisms to accelerate the competitiveness of green hydrogen and its derivatives.
- Stable regulatory frameworks and certification standards aligned with international markets.
- Expansion of solar and wind capacity to ensure competitive energy availability at scale.
- Competitive tariffs and efficient electricity infrastructure as drivers of green hydrogen competitiveness.
- Green ammonia and fertilizer value chains for industrial decarbonization.
- Green hydrogen hubs integrated with ports, industry, logistics, and export infrastructure.
- Mobilization of development banks, international cooperation, and private capital to reduce risk and accelerate investment.
- Stimulating local demand across refineries, heavy mobility, maritime transport, and sustainable aviation fuels (SAF).

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### A CONGRESS WORTH SHARING

Two intense days and conversations that truly mattered. That was the 5th International Hydrogen Congress in Bogotá.

Colombia came to this edition more mature than ever: projects already in operation, organized regional hubs, international financiers at the table, and a regulatory framework that now allows for real business conversations. The question has shifted from "why hydrogen?" to "how and when?" — and that is exactly the progress we wanted to see.

We share this recap hoping it serves as both inspiration and input. If your committee is interested in learning more, connecting with any of the congress participants, or exploring collaboration around hydrogen, we would be happy to open that conversation.



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