

# CT-IN-002 — Green Hydrogen (Industrial Use)

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cbi_eligible	Y
iea_aligned	Y — IEA ETCS covers hydrogen for industry
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## Description

Production and industrial application of green hydrogen (electrolysis powered by renewable electricity) and low-carbon hydrogen for hard-to-abate industrial processes. Applications include ammonia production, refinery feedstock, steel reduction, high-temperature industrial heat, and chemical synthesis.

## Colombia Context

Colombia published its Hoja de Ruta del Hidrogeno (Green Hydrogen Roadmap) in 2021, targeting 1-3 GW of electrolyzer capacity by 2030. MinMinas leads hydrogen strategy with Ecopetrol as the primary industrial partner. Ecopetrol's Barrancabermeja refinery is piloting green hydrogen for refinery operations. Ammonia production (for fertilizers) is a priority application given Colombia's agricultural sector. La Guajira's wind resources offer low-cost renewable electricity for electrolyzer deployment. Ley 2099 de 2021 includes hydrogen promotion provisions.

# EUDR Relevance

No direct EUDR relevance. Green hydrogen for industrial use does not intersect with commodity supply chains or deforestation monitoring.

# CTH Data Coverage

Limited CTH coverage. CLP cohort has not focused on hydrogen. Partial data coverage through CTH Research tracking of hydrogen policy and investment developments in LATAM. An emerging priority sector as Colombia's hydrogen roadmap advances.

# Green Finance Alignment

Strong green finance alignment. TVC covers green hydrogen under energy transition. CBI certifies green hydrogen projects meeting additionality criteria. EU Taxonomy includes green hydrogen production as a climate mitigation activity with specific lifecycle emission thresholds. IEA ETCS prioritizes hydrogen for hard-to-abate industrial sectors. CPI GLCF tracks growing hydrogen investment flows.

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Revisión #1

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