



# Local Community Strategies for Large-Scale H2/PtX Projects

## PROJECT FACTS

### Duration:

04/2026 – 12/2026

### Countries:

Colombia and Uruguay

### Partners:

ENERTRAG and Colibri Energy

### Outputs:

- Preliminary studies, dialogue and communication with local stakeholders
  - Infrastructure and supply concept
  - Knowledge transfer plan
  - Communication and stakeholders engagement
- #### Strategy
- Define key infrastructure and energy supply options



## PROJECT OVERVIEW

The proposed public-private partnership (PPP) backs two flagship green hydrogen/PtX projects by ENERTRAG/Colibri Energy (Colombia) and ENERTRAG SE (Uruguay), coupling large-scale renewable fuels with sustainable regional development.

In Colombia, the Waawaata Green Hydrogen Hub in Alta Guajira will deploy 1.35 GW of electrolysis powered by 2.0 GW of wind and 0.4 GW of solar energy to produce around 0.8 Mt of green ammonia annually for export. The project aims to generate employment, strengthen local capacities, and engage indigenous Wayuu communities while supporting Colombia's energy transition. Estimated emissions reductions exceed 1.8 million t CO<sub>2</sub>e per year compared to conventional ammonia production.

In Uruguay, the Tambor project in Tacuarembó will combine 140 MW of electrolysis with 194 MW of wind and 188 MW of solar capacity to produce 16,200 tons of green hydrogen and 84,000 tons of e-methanol annually. Designed for future expansion, it is expected to achieve more than 80% emissions savings compared to fossil fuels.

Both projects advance environmental, social, and technical studies to reduce implementation risk. They emphasise inclusive, early stakeholder participation – especially local and Indigenous communities – through dialogue, participation, and innovative partnership/co-development models that position communities as active participants. The initiatives foster local development and are expected to catalyse further H2/PtX investment via shared infrastructure, offering replicable models for sustainable hydrogen development in Latin America.

## OBJECTIVES & EXPECTED RESULTS

- Strengthen early community engagement and territorial understanding.
- Define key infrastructure and energy supply options.
- Strengthen local capacities and stakeholder preparedness.
- Increase awareness and transparency around hydrogen projects.

## ABOUT H2UPPP

H2Uppp paves the way for companies to develop the global green hydrogen market through project identification, project development, support and trade.

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The International Hydrogen Ramp-up Programme is supporting entrepreneurial engagement in the ramp-up of hydrogen in the Global South and is a programme of the:

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