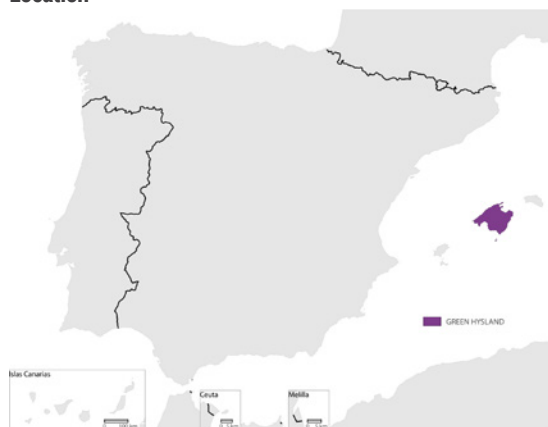


GREEN HYSLAND

DEPLOYMENT OF A H₂ ECOSYSTEM ON THE ISLAND OF MALLORCA

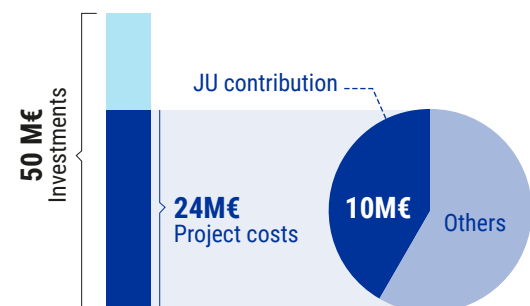


Project ID	101007201
PRR 2025	Pillar 6 – H ₂ Valleys
Call Topic	FCH-03-2-2020
Coordinator Beneficiary	ENAGAS RENOVBABLE SA, ES
Project Period	01-01-2021 - 31-12-2025
Location	Spain



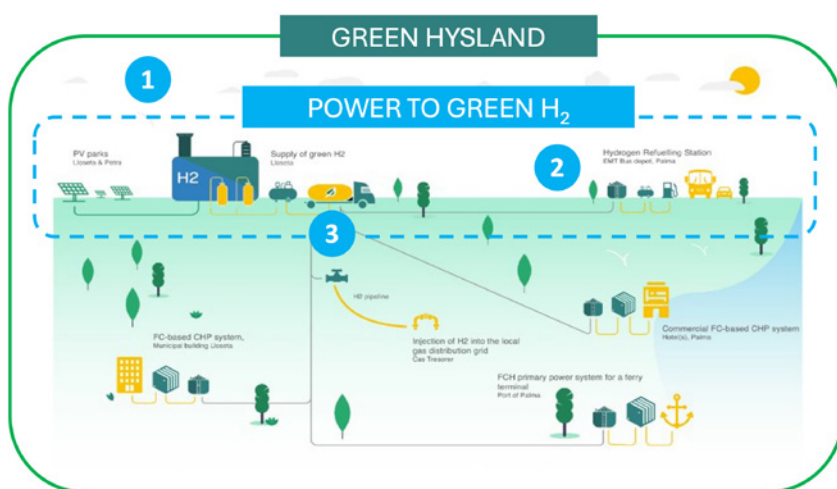
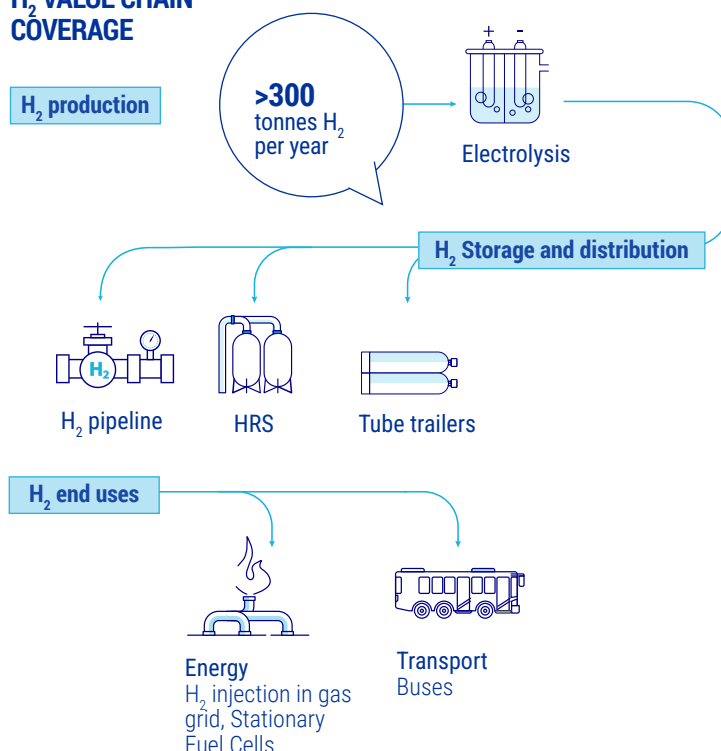
Administrative boundaries: © EuroGeographics © UN-FAO © Turstat
Cartography: Eurostat - RANG, 03/2025

Finances

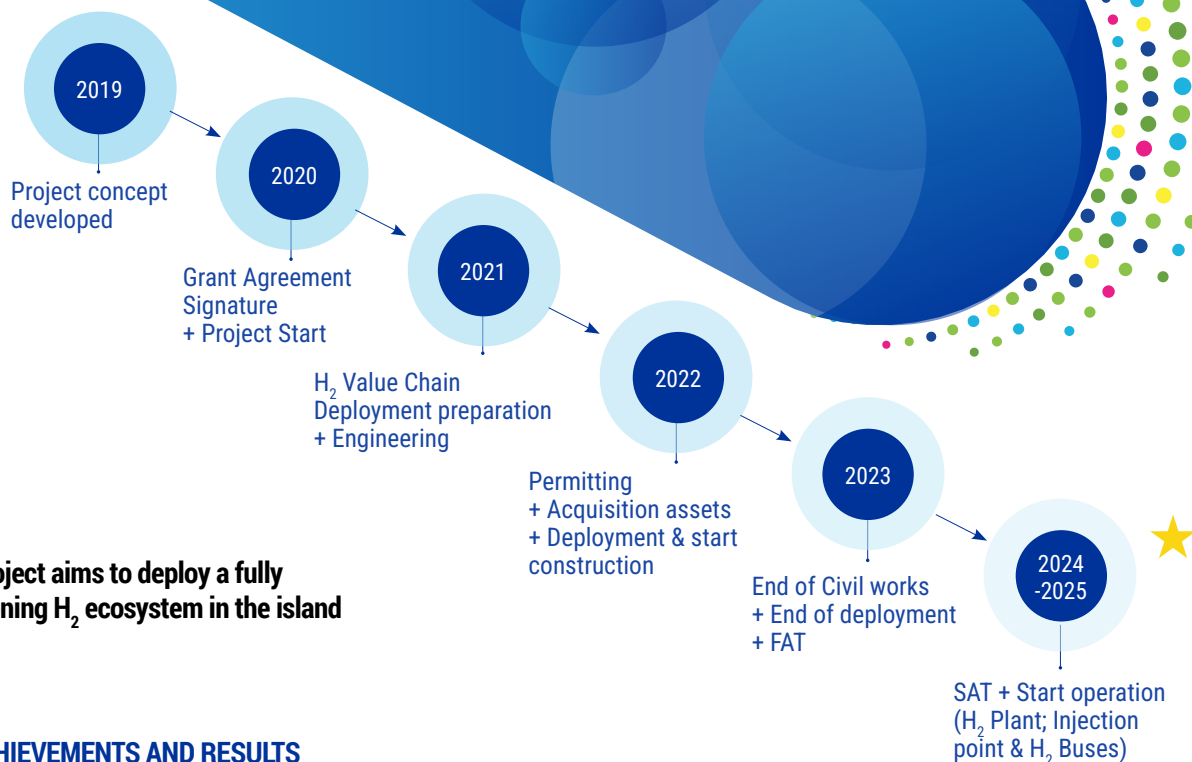


<http://www.greenhysland.eu>

H₂ VALUE CHAIN COVERAGE



PROJECT TIMELINE



The Green Hysland project aims to deploy a fully integrated and functioning H₂ ecosystem in the island of Mallorca, Spain.

PROGRESS, MAIN ACHIEVEMENTS AND RESULTS

H₂ PRODUCTION PLANT

- Site Acceptance Tests (SAT) began in May 2024 and were completed in July 2024.
- Plant resumed operations in September 2024 to finalize the testing phase, successfully producing hydrogen molecules.
- Registered on the "Guarantees of Origin" platform in August 2024. Meanwhile, it has started industrial operation.

INFRASTRUCTURE PROGRESS

- Civil works for H₂ pipeline and blending station completed. Both are currently operational.
- First hydrogen injection into the grid occurred in September 2024.
- SATs for tube trailers completed; they are now fully operational.

FUEL CELL (FC) DEVELOPMENTS

- FC tender at Port of Palma awarded in November 2024 (11-month contract); design phase in progress.
- For Palma Hotel Iberostar:
 - FAT (Factory Acceptance Tests) of the FC stack conducted in July 2024.
 - Main stack equipment received in November 2024.
 - Civil works initiated in the first week of November 2024.
- Tourist and local survey data collection completed.
- Full Green Hysland project modeled in PERSEE, ready for simulations, optimization, and evaluation.
- Substantial progress has been made in drafting and researching a roadmap for hydrogen deployment in the Balearic Islands by 2050.

FUTURE STEPS

- Temporary H₂ portable dispenser for EMT bus depot was deployed in 2024 and EMT buses are now operating.
- Ongoing efforts to resolve the HRS (Hydrogen Refueling Station) situation; alternative solutions under evaluation.
- Fuel Cell at Iberostar Hotel is expected to be operational by end of 2025.
- SAT and training for Fuel Cell at Port of Palma scheduled for autumn 2025.
- Ongoing discussions to find a third party to join the project for vehicle deployment and operation.

