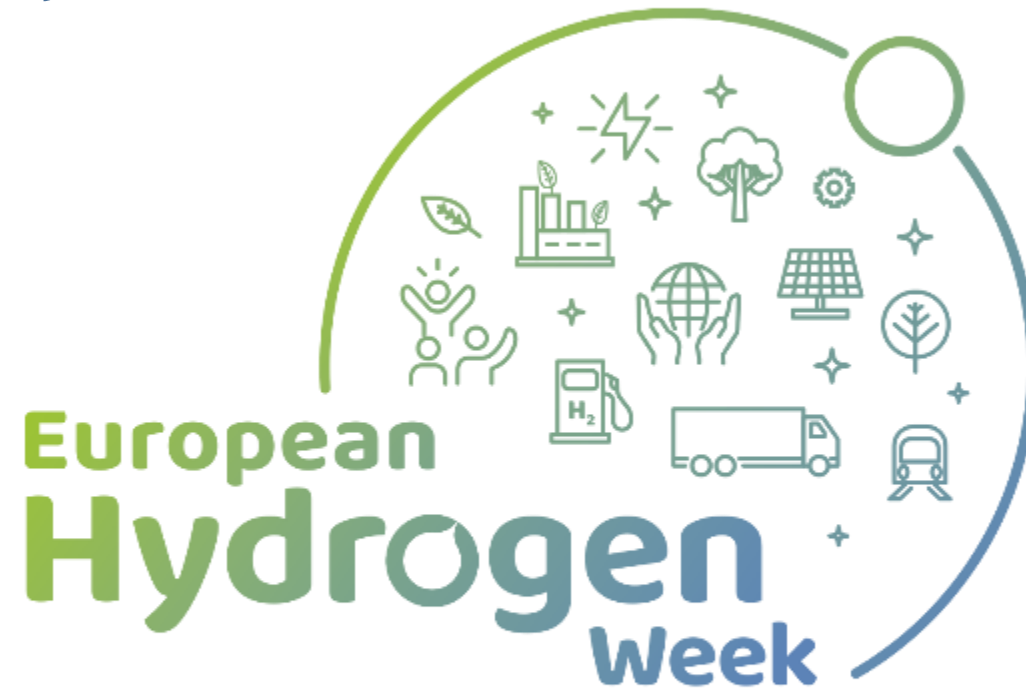


GREEN HYSLAND

Development of a H₂ ecosystem on the island of Mallorca



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#PRD2021
#CleanHydrogen



Project Overview

Call year: 2020

Call topic:

FCH-03-2-2020:
Decarbonising
islands using
renewable
energies and
hydrogen - H2
Islands

Project dates:
January 2021 - December 2025

Total project budget

(eligible costs):

20,498,255.00 €

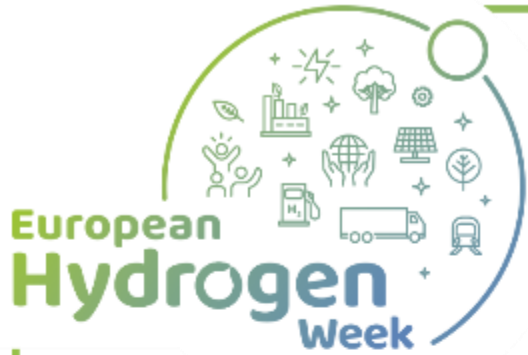


% stage of implementation
02/12/2021: 15%

FCH JU max. contribution:
9,999,999.50 €

Other financial contribution:

- Partners' own resources 10,498,255.5 €
- IDAE's grant 2,456,620 € for the PV plants €



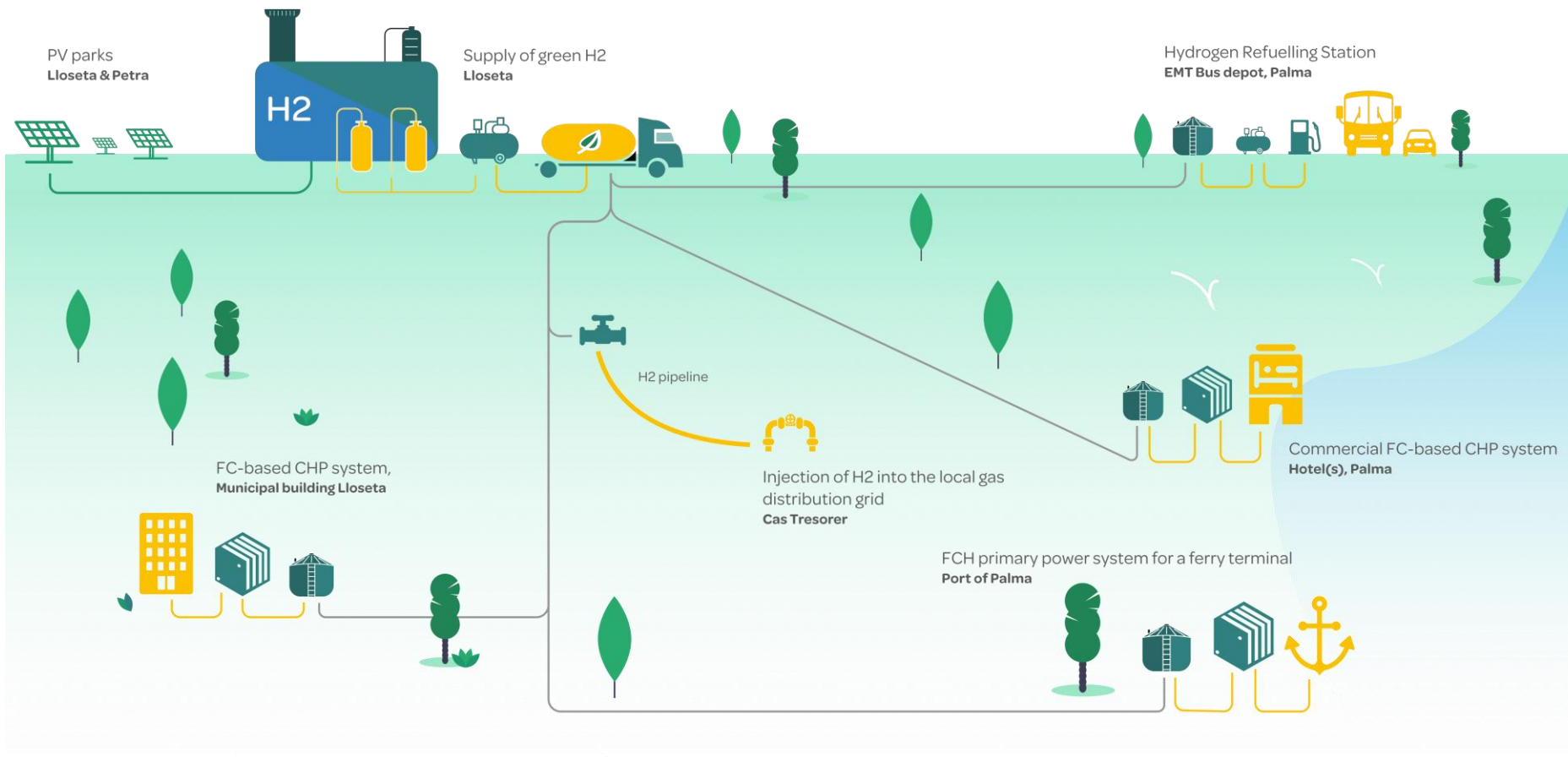
Green Hysland consortium



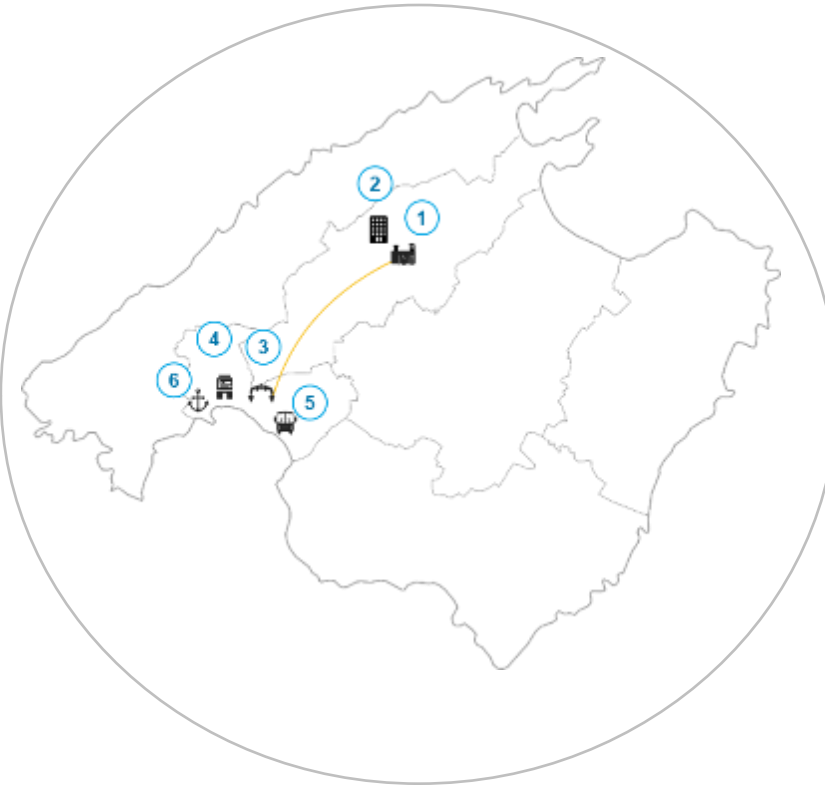
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Green Hysland concept



Green Hysland - Sites location



- 1 Green hydrogen production plant at Lloseta
 - 2 Fuel cell in a public building in Lloseta
 - 3 H₂/GN blending station at Cas Tresorer & injection point to NG grid
 - 4 Fuel cell at hotel in Palma
 - 5 HRS at EMT de Mallorca
 - 6 Fuel Cell at the maritime station in Palma Port
- Hydrogen pipeline



Project Progress/Actions - PV plants



Lloseta PV Plant

Peak power: 8.56 MWp
 Nr. of PV modules: 15,848
 Planned energisation date: 27/12/2021

Petra PV Plant

Peak power: 5.85 MWp
 Nr. of PV modules: 10,836
 Planned energisation date: 21/02/2022



Project Progress/Actions - Electrolyser



Achievement to-date

Electrolyser

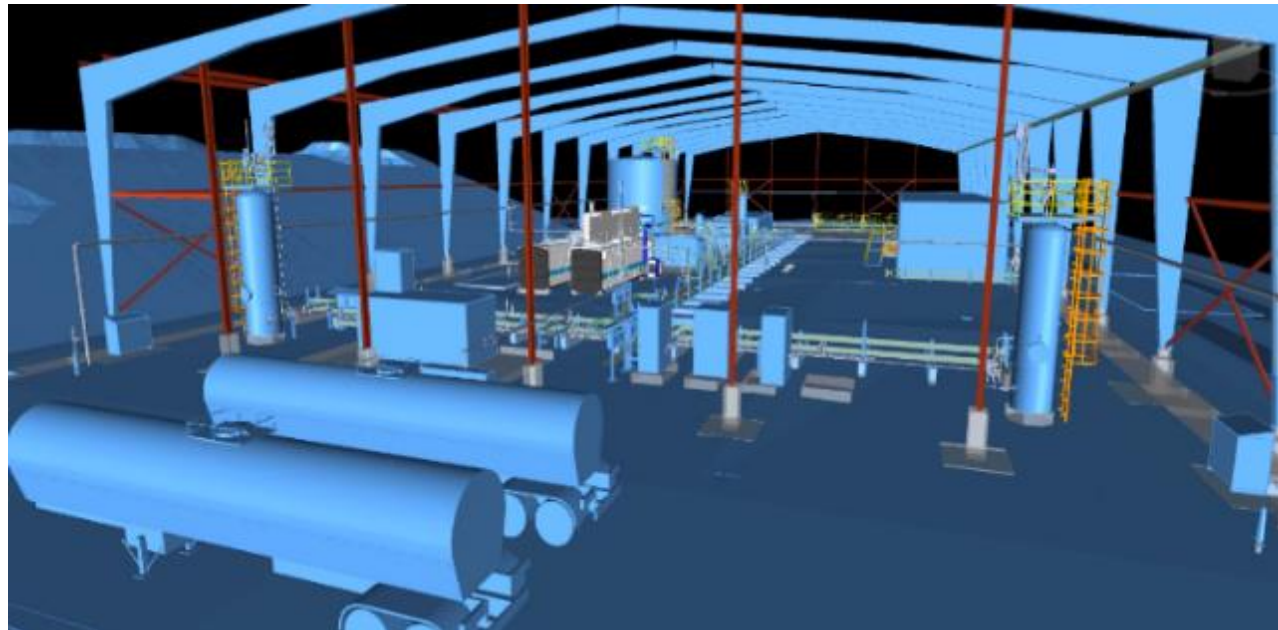


Operation

25%

50%

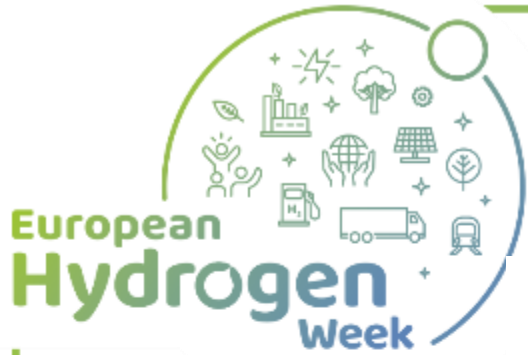
75%



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Green Hysland - Key figures



Avoided carbon footprint: more than **21,000 tpy**



New **direct and indirect employment ecosystem** associated to **hydrogen**



Development of a **sustainable large-scale island-based H2 hub** in Mallorca



Development a **long-term roadmap** to lay the path for a local & regional based economy towards 2050

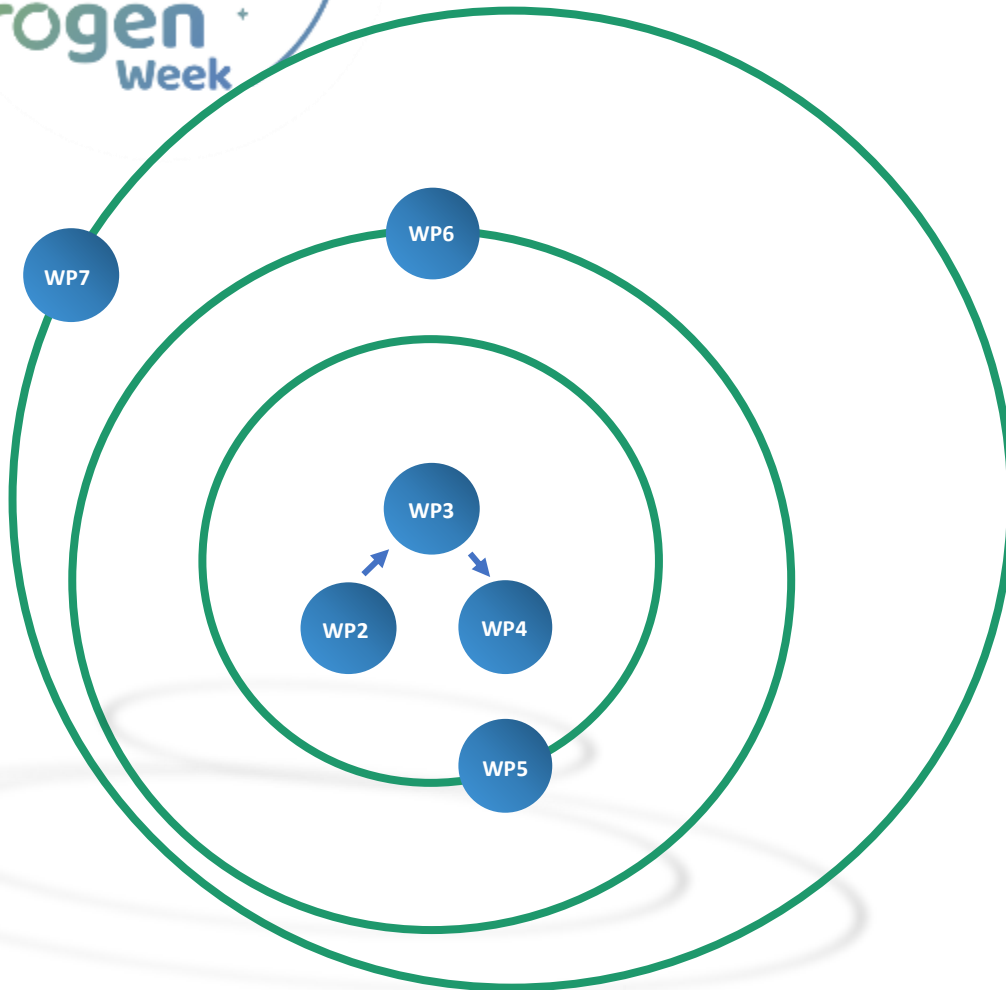


Scalability and Replicability



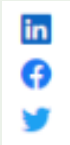
Estimated **investment** ≈ 50 M€

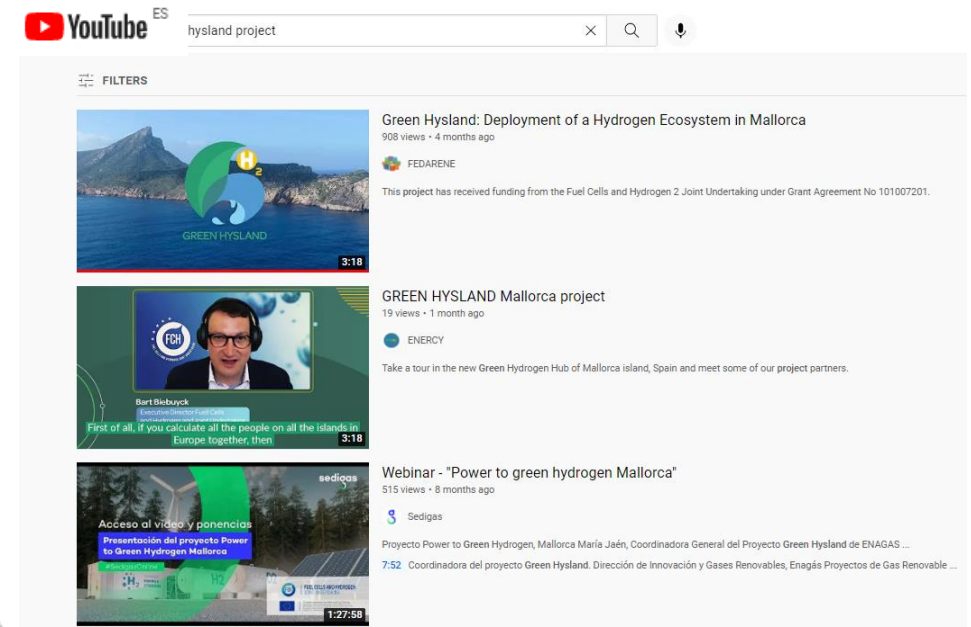
Green Hysland structure



- WP1** Project Management and Coordination
- WP2** Preparation for Deployment
- WP3** Deployment
- WP4** Operation and Monitoring
- WP5** Creation and Analysis of Impact and Development of Business Models
- WP6** Scaling up and Replication of Hydrogen island ecosystems across the EU
- WP7** Communication, Dissemination & Exploitation

Communication and Dissemination Activities

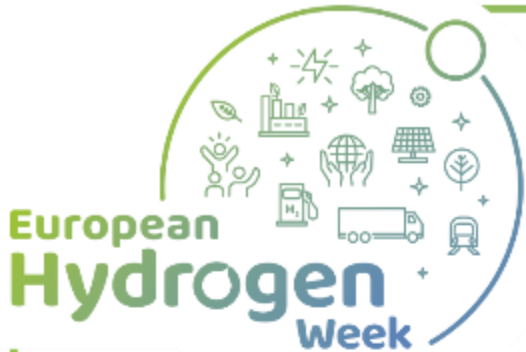
Tools and channels	KPIs	15 Nov 2021
Website: https://greenhysland.eu : visitors pageviews	2,000 per year 5,000 per year	2,484 10,014
Newsletters	2,000 viewers	2,567
Social Media:  LinkedIn Facebook Twitter	150 members in total 150 per year 400 mentions in total	53 members 27 posts 90 tweets
Video 1: https://youtu.be/-u7RLspVuw4	150 views/video	1,402 views
Presentations at events	44 in total	25 presentations
Organisation of Green Hysland events	30 in total	2 events

YouTube ES hysland project

FILTERS

- Green Hysland: Deployment of a Hydrogen Ecosystem in Mallorca
908 views · 4 months ago
FEDARENE
This project has received funding from the Fuel Cells and Hydrogen 2 Joint Undertaking under Grant Agreement No 101007201.
- GREEN HYSLAND Mallorca project
19 views · 1 month ago
ENERGY
Take a tour in the new Green Hydrogen Hub of Mallorca island, Spain and meet some of our project partners.
- Webinar - "Power to green hydrogen Mallorca"
515 views · 8 months ago
Sedigas
Proyecto Power to Green Hydrogen, Mallorca María Jaén, Coordinadora General del Proyecto Green Hysland de ENAGAS ...
7:52 Coordinadora del proyecto Green Hysland. Dirección de Innovación y Gases Renovables, Enagás Proyectos de Gas Renovable ...



Synergies With Other Projects And Programmes



Green Hysland's "H₂ Island Hub"

