

# ***GREEN HYSLAND***

***EU FRAMEWORK PROGRAMME FOR R&I - INNOVATION FUND  
SYNERGIES WORKSHOP***

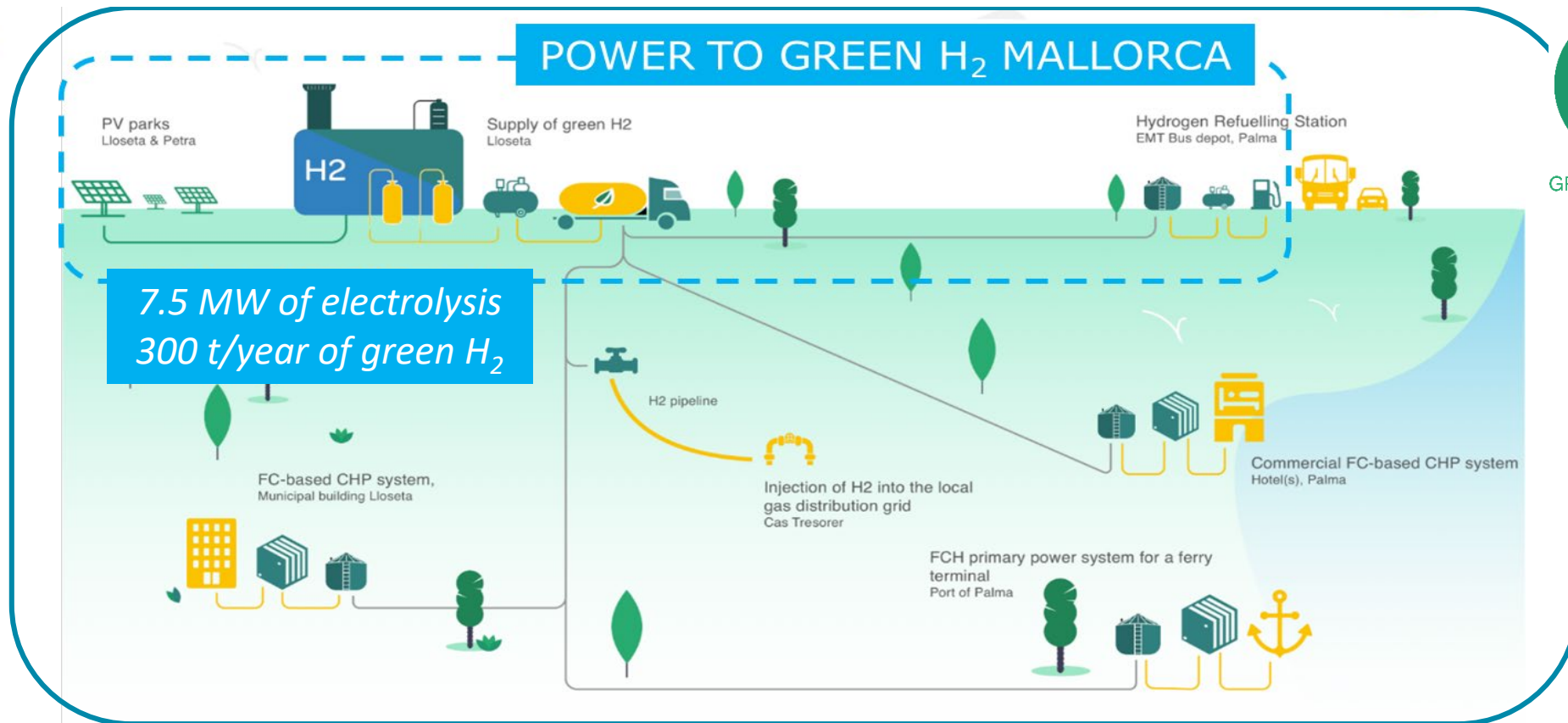
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***VÍCTOR ENCINAS***

# Overview & Background of *Green Hysland*

*“Production of green H<sub>2</sub> from solar energy and delivering it to the end-users by a fully-functioning H<sub>2</sub> pilot ecosystem in the island of Mallorca, Spain”*



# Deployment Prospects

*“Green Hysland will provide an operational example of the contribution of H<sub>2</sub> towards the energy transition and the 2050 net zero targets”*

***Next stage of the innovation pipeline?*** Scalability of the Green Hysland pilot concept, reaching a ***Green Hysland 2.0 large-scale scenario*** by:

- increasing the H<sub>2</sub> production capacity;
- involving additional off-takers (↑ GHG emissions avoided);
  - using scaled-up infrastructures and a pipeline network.

***Holistic fully-functioning H<sub>2</sub> ecosystem in the island of Mallorca***, based on:

- **technical and financial maturity already reached;**
- **high-impact and realistic replication and scalability plan.**

# Deployment Prospects

## *Why Innovation Fund?*

- It **improves the risk-sharing for projects** by giving **more funding** in a more flexible way → ***Green Hysland large-scale scenario***
- **H<sub>2</sub> production for use in several sectors is targeted** as a new independent thematic line → ***Green Hysland core objective***
- Focused on **innovative, flagship, mature-enough projects** with EU value added and high emission reductions → ***Green Hysland, a clear example***
- It supports projects with **high replication and fast market penetration potential** → ***Green Hysland sound replicability & scalability plan***

# Deployment Prospects

***Main challenges and how?*** Based on the outputs of the Green Hysland project:

- Secure **off-takers**
- Build a **mature ecosystem for the large-scale scenario** at technical and financial level
- Set the **main terms of supply, construction and off-take agreements**
- Develop a **cost-effective scenario** while meeting the **market needs**

*“Green Hysland project and the lessons learnt from its implementation will bring the achievement of these challenges closer, being thus fully aligned with the Innovation Fund call and the EU policy objectives”*

**Thank you**