

TH₂ICINO

Towards H₂hydrogen Integrated eEconomies In NOrthern Italy



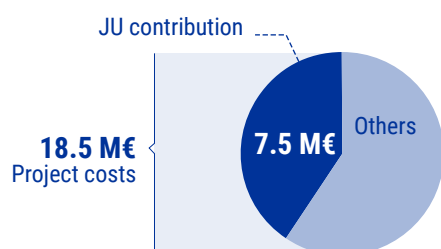
Project ID	101112098
PRR 2025	Pillar 6 – H ₂ Valleys
Call Topic	HORIZON-JTI-CLEANH2-2022-06-02
Coordinator Beneficiary	RINA CONSULTING, IT
Project Period	01-09-2023 - 31-08-2027

Location Italy



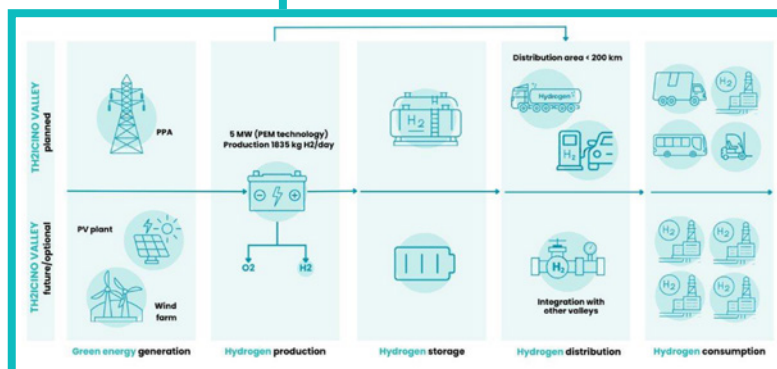
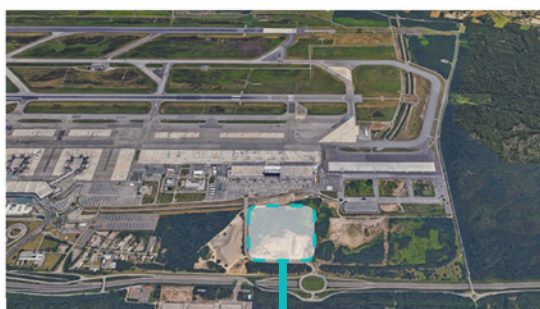
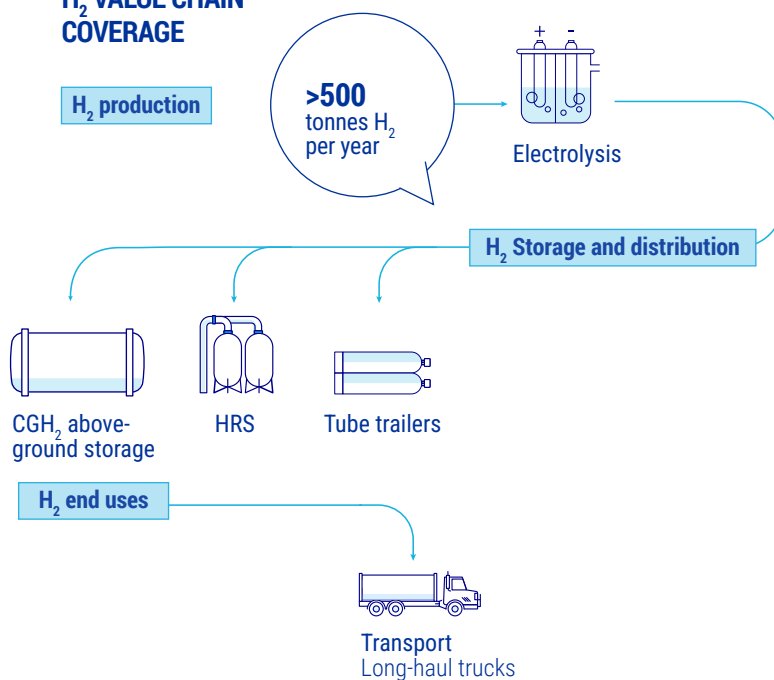
Administrative boundaries: © EuroGeographics © UN-FAO © Turstat
Cartography: Eurostat - MAGE, 03/2025

Finances

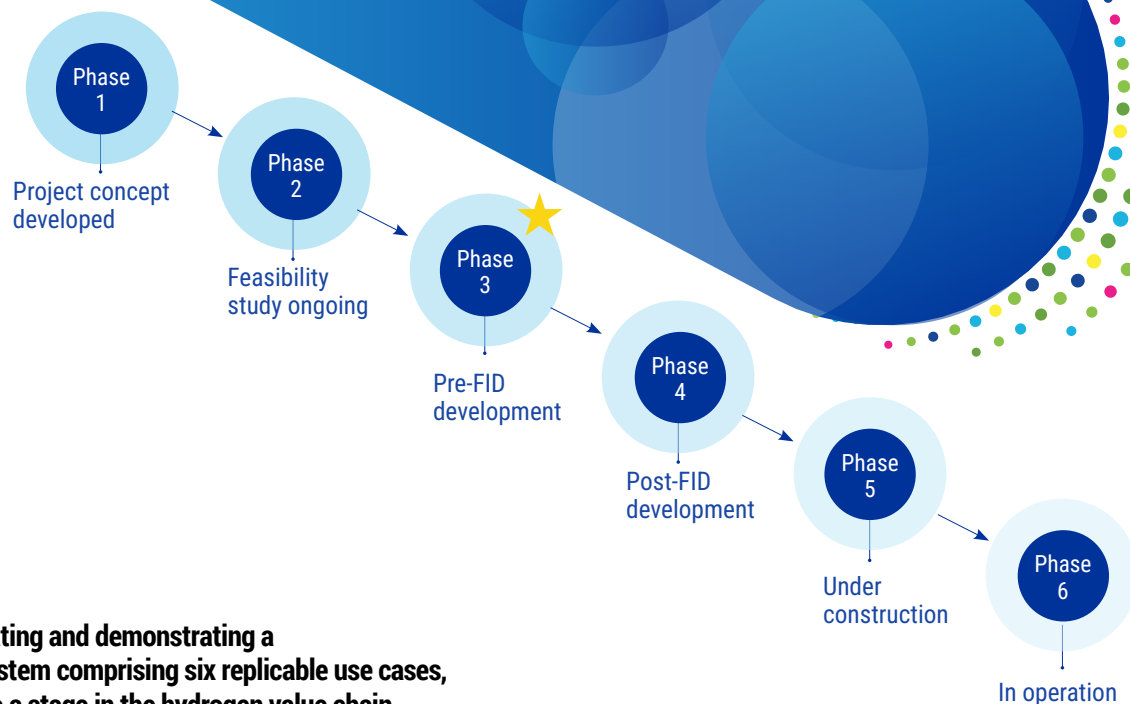


<http://th2icino.eu>

H₂ VALUE CHAIN COVERAGE



PROJECT TIMELINE



TH₂ICINO aims at creating and demonstrating a comprehensive ecosystem comprising six replicable use cases, each corresponding to a stage in the hydrogen value chain. The project's outcomes will involve the validation and testing of a Master Planning Tool (MPT). The project's primary focus is to establish a hydrogen valley in northern Italy, concentrating on four key areas of the hydrogen value chain: hydrogen production, storage, distribution and consumption.

PROGRESS, MAIN ACHIEVEMENTS AND RESULTS

COMMUNICATION AND DISSEMINATION

- A dissemination and communication strategy has been prepared, to engage stakeholders, raise awareness about hydrogen technologies, and disseminate project updates; materials such as brochures, flyers, social media content and newsletters.

SAFETY AND RISK ASSESSMENT

- Initial steps have been taken to outline the hydrogen safety planning framework, ensuring adherence to stringent safety standards and protocols throughout the project lifecycle.
- Safety protocols and risk assessment procedures have been developed to mitigate potential hazards associated with hydrogen production, storage, and transportation.

MODELLING

- The modelling phase for the extended valley has begun, aiming to simulate and optimize various aspects of the hydrogen ecosystem, including production, distribution, and utilization.

FUTURE STEPS AND PLANS

- Continuing collaboration with off-takers (started March 2024) to refine project strategies and align objectives with off-taker. Engaging with off-takers will enable the refinement of project strategies, alignment of objectives, and validation of technological solutions tailored to meet end-users' needs.