



LIFE3H overall objective is to set up, demonstrate and exploit **3 Hydrogen Valleys (HVs)** starting from the implementation of clean H2 buses fuelled with surplus H2 coming from local industrial productions thus closing the economical circle locally. The project will demonstrate new transport solutions to increase air quality by reducing emissions, facilitate mobility, economic growth & environmental sustainability in urban and natural areas.

The sites for setting up the Hydrogen Valley are:

The historical City of Terni

(near to one of the biggest Italian steel plant)



Port of Civitavecchia

(with millions of tourists per year and a historical port)



Altopiano delle Rocche

(with ski resorts and part of the Regional Park SirenteVelino)



LIFE3H specific objectives are:

- Build up the first 3 Italian HVs laying the basis of one transregional HV.
- Develop common & sustainable road Local Public Transport mobility.
- Implement integrated local policies & regulatory approaches for widespread deployment of Hydrogen Refuelling Stations and Fuel Cell vehicles.
- Increase circular economy by storing and using H2 waste from local industries like steel mills and chlorine-soda plants.
- Create a standard smart sustainable mobility management system.
- Develop an Hydrogen Valley implementation strategy allowing future expansion in the project sites and replication in other sites.
- Raise citizens' awareness & improving policy commitment to spread sustainable hydrogen-based mobility and improve air quality at sites of high historical, environmental and archaeological value.

i LIFE3H is coordinated by Regione Abruzzo with a partnership composed by a balanced mix of Public Bodies, Research Institutions, Industrial Partners and Consultancies. The project has a total cost of 6,339,853 € of which 2,978,671 € **co-funded by EU programme LIFE 2020**. LIFE3H started in September 2021 and will last 4 years.

PARTNERSHIP



PROJECT COORDINATOR



SOCIETÀ CHIMICA BUSSI S.p.A.



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WHAT IS A HYDROGEN VALLEY?

magnifying glass Hydrogen Valleys typically comprise a realization across a defined geographic area of a substantial part of the hydrogen value chain, from hydrogen production, storage and transport to its end-uses.