

# H2MA

(ID: ASP0100097)

## “Green Hydrogen Mobility for Alpine Region Transportation”

Interreg Alpine Space – 1st Call for classic projects (2022)

### **Priority 2:**

Carbon neutral and resource sensitive  
Alpine region

### **Specific Objective 2.1:**

Promoting energy efficiency and  
reducing greenhouse gas emissions

Total budget: **€ 2,273,154.69**

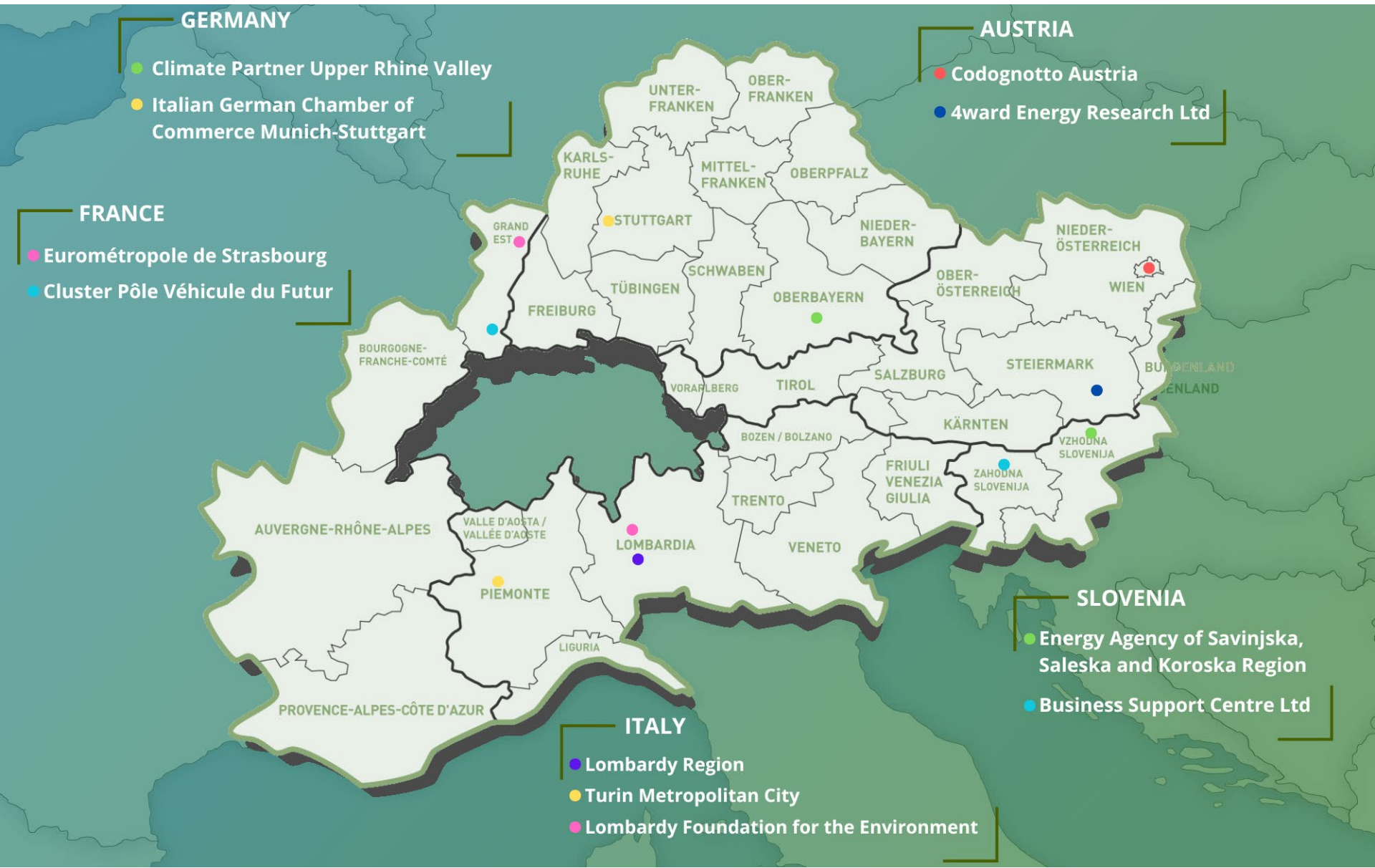
ERDF contribution: **€ 1,704,866.01**

National contributions: **€ 568,288.68**

### **11 Partners – 5 Alpine countries**

- ✓Regions & Cities
- ✓Businesses, Clusters & Associations
- ✓Energy & Environmental Agencies
- ✓R&D experts

# H2MA – A balanced consortium from all 5 EU Alpine countries



## H2MA addresses key Alpine Space needs

- **Climate change challenge:** 30% of GHG emissions in the Alpine macro-region are attributed to transport, with **freight and urban transportation** being major contributors to air pollution and noise.
- **A promising solution:** Hydrogen produced from renewable energy (“**Green Hydrogen**”) is a zero-carbon alternative for powering vehicles, trains, ships, machinery and even airplanes.
- **Harmonisation and transnational cooperation:** The emergence of economically viable green hydrogen ecosystems requires a **critical mass of applications and streamlined infrastructure development**, beyond fragmented territorial initiatives.

## Why fund H2MA?

- The Partnership, Observers, and targeted stakeholders cover **the whole business value chain of green H2 mobility** and have the critical **policymaking capacity** required to position the Alpine area as EU's leading zero-carbon transportation hub.
- The project sets up and tests **an innovative cooperation mechanism** to plan the optimal location of upcoming green H2 mobility infrastructure, as a cost-efficient and transfer-ready solution for identifying “H2 routes” across the Alpine transportation network.
- H2MA particularly advances the efforts of the “**EU Strategy for the Alpine Region (EUSALP)**” and the “**Alpine Convention**” to tackle climate change, and promote sustainable mobility and green energy.

## H2MA – Main outputs

1. **Green Hydrogen Routes**: Mapped Alpine transportation routes that integrate current and planned green H2 infrastructure.
2. **Memoranda of Cooperation**: Signed collaboration agreements between partners and businesses, to facilitate public and private investments.
3. **Hydrogen Strategies**: 12 national and territorial Hydrogen Strategies in the Alpine area will be updated, integrating H2MA results.
4. **Resources and tools**: Transfer-ready studies, resources, and tools that can be employed to improve green H2 mobility infrastructure and governance.

## H2MA – Impact

- Contribute to saving **~240 thousand CO2 tons** (per year) by 2030, accelerating infrastructure development that covers the needs of at least **2,000 H2-powered** means of transportation.
- Improve the coordination and planning capacities of **over 20 policy authorities** and **80 stakeholders** regarding green H2 mobility infrastructure roll-out and sustainable mobility policies.
- Proliferate the creation of **Green Hydrogen Valleys** by strengthening **public-private synergies** with businesses in the green H2 mobility sector and harmonising policy planning.