

VSF / VENICE WORLD SUSTAINABILITY CAPITAL FOUNDATION



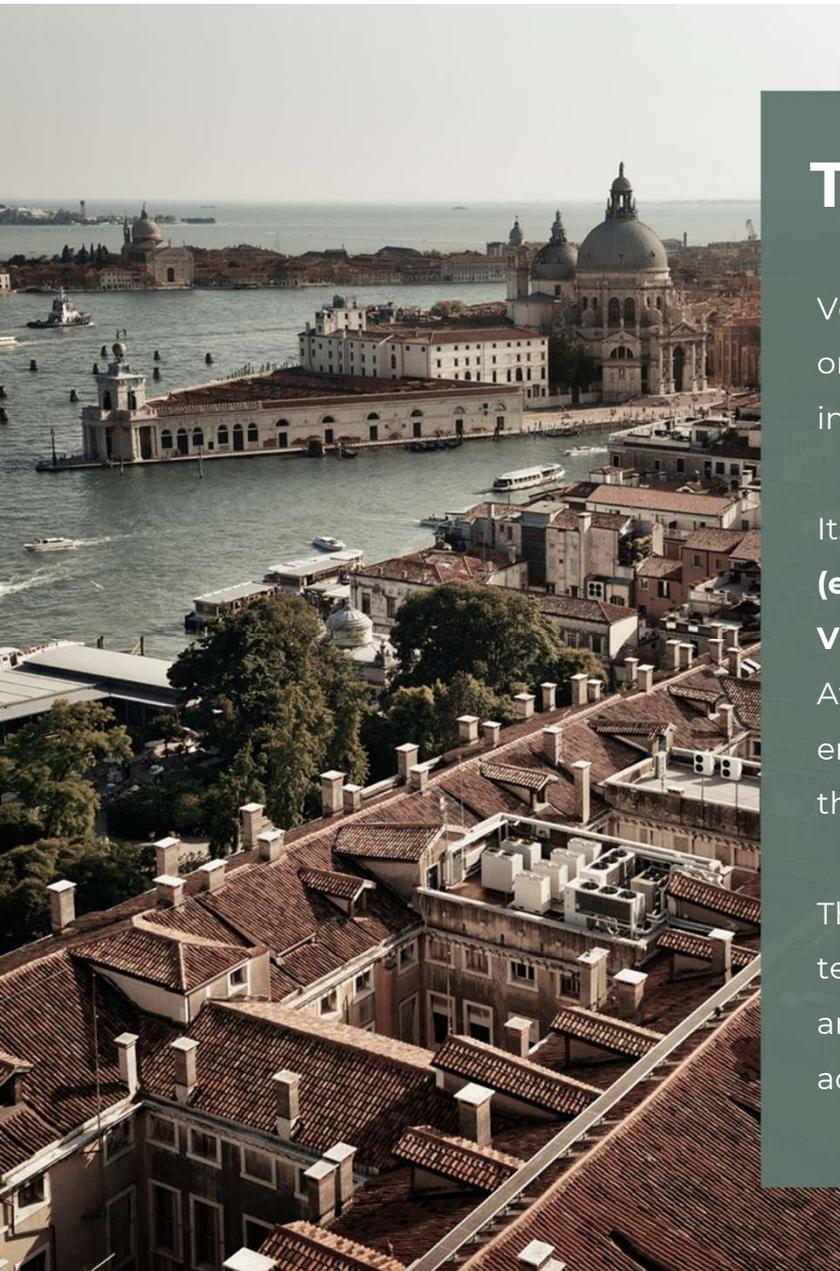
## The Evolutions of Clean Hydrogen.

Perspectives from production to use in mobility and industry

H2MA - “Green Hydrogen Mobility for Alpine Region Transportation”

Project co-funded by the European Union through the Interreg Alpine Space Programme

Venice Heritage Tower, October 29th 2025



## The Foundation

Venice Sustainability Foundation (VSF) is an articulated **partnership** of organizations, academic and cultural institutions, public and private enterprises interested in working for the sustainable future of Venice and its metropolitan area.

Its mission is to **create an integrated model of sustainable development (encompassing environmental, economic, social, and cultural dimensions) for Venice and its metropolitan area**, with implications for the entire Veneto region. At the same time, it seeks to ensure the protection and the conservation of the environmental, historical, and cultural heritage, as well as the strengthening and the cohesion of the local community.

Thanks to its characteristics, Venice is an **ideal laboratory** for developing and testing a new solutions for urban sustainability. It is also a city of maximum national and international **visibility**, with great (and rapid) potential resonance for every activity studied and/or presented here.

# VSF partnership



44 partners, including 13 Founders, 28 Cofounders, 3 Supporters

## VSF approach

VSF role is to **facilitate, promote and accelerate** projects proposed by its members, contributing to smooth the path to their implementation, thanks to the breadth of its partnership.

The collaborative nature of the Foundation's initiatives highlights the significance of multi-stakeholder engagement in **consolidating adaptation and promoting sustainability** in the city and its surrounding area.

Activities are organized around **nine thematic areas**, each one deepening a relevant key issue to the sustainable development of the Venetian territory. In addition, VSF is engaged in **four cross-cutting projects**.



# Thematic areas



## HYDROGEN

Develop the economy related to Hydrogen and an H2 Valley in Porto Marghera, Venice.



## RESIDENCY

Encourage a program of residency and services for those interested in living permanently in Venice.



## SOCIAL INCLUSION

Create an inclusive, secure, resilient and sustainable community.



## ENERGY TRANSITION AND ENVIRONMENT

Promote renewable energy sources and support sustainable mobility and protection of the lagoon ecosystem.



## SUSTAINABLE TOURISM

Research and advocate for a sustainable model of tourism.



## CULTURE OF LEGALITY

Support initiatives for the protection of legality and the fight against illegal activities, and promote urban decorum.



## VENICE CITY CAMPUS

Facilitate the development of an economic and urban cluster of knowledge to revitalize the the city's socio-economy.



## INNOVATION

Develop activities of business innovation and acceleration the field of sustainability.



## INNOVATIVE CULTURAL PRODUCTION

Promote the development of innovative cultural projects at the intersection of art, science, technology, and sustainability.

# Cross-cutting projects



TARGET SCENARIO  
OF INTEGRATED  
SUSTAINABILITY

## INTEGRATED SUSTAINABILITY TARGET-SCENARIO FOR VENICE

It involves the analysis, identification, and subsequent construction of an integrated sustainability scenario for the metropolitan area.

This transversal project includes three **subprojects**:

1. **History of the resilience of Venice;**
2. **Sustainability observatory;**
3. **Integrated urban sustainability scenario.**



SUSTAINABLE  
FINANCE

## SUSTAINABLE FINANCE

Provision of an **operational protocol** to assess the use of **sustainable finance instruments** in local projects.

The protocol provides for the adoption of **additional ESG commitments**, designed to maximize the initiative's impact on local sustainability.



SUSTAINABILITY  
BIENNALE

## SUSTAINABILITY BIENNALE

A program of international **events** dedicated to the **exchange of best practices in urban sustainability**, drawing on the experiences gained by and/or for Venice.

The first edition, "**The Era of MOSE**" (2023), focused on the engineering system for protection from rising sea levels. The 2025 edition, "**Urbs et Civitas**", is currently ongoing.



## VENICE RESILIENCE HUB UNDRR-MCR2030

Since 2023, Venice has been nominated **Resilience Hub** in the UN Making Cities Resilient 2030 global partnership (UNDRR).

VSF implements such a role on behalf of the City of Venice, disseminating local best practices on climate prevention, response, and resilience.

# Hydrogen activities timeline

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**Conference: “Hydrogen value chain in Veneto region: current state and development perspectives”** (October 13th, 2023)



**Report “Mapping H2 competencies and demand in Veneto”**  
(October 2024)



**Venice Hydrogen Forum** (October 18t-19th, 2024)



**Support Programme for SMEs on H2 Projects in Veneto**  
(ongoing)



**International Conference “The Evolutions of Clean Hydrogen”** (BS25)



**Next step: Update** of the report “**Mapping H2 competencies and demand in Veneto**”

# H2 Activities 1/2



**1 Mapping H2 competencies and demand in Veneto** (October 13th, 2023)  
In 2023, a report with a [mapping](#) initiative — promoted by VSF and coordinated by the Veneto Region — was conducted on the **hydrogen value chain in Veneto** (segmented in upstream, midstream and downstream operators) and aimed to explore the potential demand for H2, and the prospects for sectoral development.

Currently, a **new edition** of the survey is being prepared with VSF partners, updating the objectives of the mapping and defining the focus areas and the operational details.



**2 Conference: “Hydrogen value chain in Veneto region: current state and development perspectives”** (October 13th, 2023)

The conference presented the report’s results and stimulated dialogue on the H2 value chain, initiatives and use cases developed by SMEs in Veneto. Three sessions: the **local perspective** (administrations, industry associations, port and airport); the **national perspective** (main Italian energy companies and Italian Institute of Technology); and the **international perspective** (Green Hydrogen Organisation, IRENA, and TES).



## Activities 2/2



### 3 Venice Hydrogen Forum (October 18th-19th, 2024)

VSF organized an **International Forum** — together with the Green Hydrogen Organisation (GH2) and opened by the Minister of Environment and Energy Security — providing a platform to discuss strategies for hydrogen decarbonization, transport, and trade **in the Mediterranean**.



### 4 Support Programme for SMEs on H2 Projects in Veneto

VSF — in collaboration with Unicredit — is elaborating of a programme to support SMEs in Veneto, aimed at building skills and providing financial tools for the development of a regional hydrogen value chain.

Activities are designed to contribute to achieving the objectives of the New Regional Energy Plan (NPER).



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***Backup***

# Sustainability Biennale



**+90.000 visitors**  
To the Pavilion *Intelligent Venice*

## 2023 Edition “The Era of the MOSE”:

- **5 international conferences** and **7 side events**;
- exhibition “**Venice and the Science**” — IVSLA, in collaboration with VSF partners.

## 2025 Edition “Urbs et Civitas”:

- “**Intelligent Venice. The Oldest City of the Future**”, pavilion at the 2025 Architecture Biennale and its promotion activities (previews, laboratories, guided tours, thematic itineraries);
- collaboration with Iuav for the widespread exhibition “**Iuav at Work**”, with 2 publications;
- **5 conferences**: Venice as a knowledge cluster; clean H2; climate resilience in coastal cities; sustainable tourism; sustainable finance;
- **Side events**: workshops, forums, seminars, and other third-party events sponsored by VSF.

[intelligentvenice.it](https://intelligentvenice.it)