



Dear Sir or Madam,

In view of the current energy crisis, it is now more important than ever to strengthen the development of renewable energies in the Alps. Green hydrogen has many advantages to become a key player in the energy transition: easily produced with renewable electricity, it can be used for many purposes, such as mobility, industry or exploitation in tourist areas.

**AMETHYST** supports the deployment of Alpine green H2 ecosystems for a post-carbon future in the Alps. It reinforces the role of public authorities by increasing their capacity, designing support services to roll out green H2 solutions.

**What to expect from AMETHYST:** 6 pilot territories in 5 countries are working together to implement the most appropriate solutions and test the ecosystem models.

During the Kick-Off in Moûtiers, we asked a few members of the AMETHYST team about their opinion and hopes for the project.



[Hydrogen in Alpine regions - Etienne Vienot \(Auvergne-Rhône-Alpes Énergie Environnement \(AURA-EE\)\)](#)



[Hydrogen in the Alps - Vlasta Krmelj \(Director at Energy and Climate Agency of Podravje\)](#)



[Laurent Horvath from BlueArk on main drivers of hydrogen development in the Alps!](#)



[Potential use-cases of hydrogen in the Alpine region - Matteo Mazzolini \(APE-FVG\)](#)

In our project e-newsletters, we would like to keep you updated about current developments and project related news. In our first edition, we are happy to serve you a mixture of news and outlook into upcoming events and activities.

## SUMMARY OF THE MEETING HYDROGEN IN MOUNTAIN TERRITORIES

MARCH 8, 2023 IN MOÛTIERS (FRANCE, 73)



Nearly 250 stakeholders – local authorities, economic players, European project partners – took part in the launch of the European AMETHyST project in Moûtiers (France) on March 8, 2023.

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# THE 9 KEY POINTS TO REMEMBER FROM THE CONFERENCE

1. Numerous hydrogen projects and experiments are underway in mountain areas and resorts. Hydrogen is a vector for storing renewable energy, is relevant for isolated housing, stationary use and agriculture, and appears to be adapted to forms of mobility in the mountains (snow groomers, construction fleets, goods transport, public transport), where electric mobility is excluded due to cold temperatures and the difference in altitude.
2. Mobility use is generally the entry point for hydrogen deployment. Road traffic represents an important part of the carbon footprint of the stations. There is therefore a challenge to reduce the modal share of cars in stations and increase public transport services via clean vehicle fleets, and encourage the acquisition of clean light vehicles.
3. Today, the difficulty is not so much to convince people of the potential of decarbonization through hydrogen as to achieve a viable economic model and produce reliable, available vehicles with reasonable operating costs that meet the needs of intensive use. Investment subsidies exist, but operating costs remain high.
4. It is by working to create global ecosystems that we will be able to massify production and distribution, and therefore lower costs, to promote local production of green hydrogen, which will reduce transportation costs and limit the carbon impact.
5. The support of the European Commission is essential to change scale, to massify, and to support strategies (local, regional, national). Many initiatives are underway.
6. Among the levers for deployment, the support of elected officials at all levels (from local to international) and through the various sectoral public policies is key. So is the sharing of knowledge and experience.
7. Air quality; energy sovereignty; resilience and stability of one's own electricity or gas network; economic growth / innovation capacity are the four driving forces of national hydrogen strategies.
8. The challenges are to support the development of the sector, massification and innovation; to create a stable and sustainable regulatory framework; and to reach agreement on investment needs at the international level.
9. Hydrogen is not the solution to all our energy needs, it must find its place in the energy mix.

## Missed the AMETHyST Conference? Watch the Live-Stream



Hydrogen - An Opportunity for the Decarbonization of Alpine Territories

The complete conference was broadcasted as a Live-Stream on Youtube and remains available.

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[## Watch Live-Stream on Youtube ##](#)

## AMETHyST in a nutshell

**AMETHyST supports the deployment of Alpine green H2 ecosystems for a post-carbon future in the Alps. It reinforces the role of public authorities by increasing their capacity, designing support services to roll out green H2 solutions.**

AMETHyST increases the capacity of public authorities, designs support services to deploy green H2 solutions, mainly in touristic areas as flagship project for energy transition, and includes green H2 in local and regional energy strategies and plans.

### **What to expect from AMETHyST:**

6 pilot territories in 5 countries are working together to implement the most appropriate solutions and test the ecosystem models.

### **What AMETHyST will provide:**

- An Alpine H2 package that includes integrated state of art of technologies, market players and policies;
- Local Alpine green H2 ecosystem model supported by techno-economic analyses and a decision support system;
- Support services for local authorities and project developers.

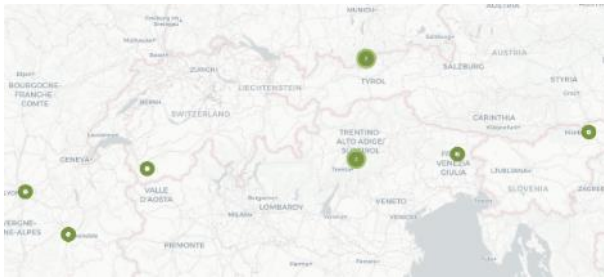
An Alpine green H2 package is developed to help public authorities support concrete H2 projects. Based on the results of the pilot projects, a “Local Alpine green hydrogen ecosystem model” identifies and provides the constituent elements of hydrogen’s territorial approach, combining production, storage, distribution and uses. Policy recommendations to support green H2 development are elaborated and shared with EUSALP and regional policymakers to reinforce the role of public authorities.

### **Project outputs will be:**

- Piloting H2 territorial ecosystem
- Development guideline for local Alpine green hydrogen ecosystem
- Financial evaluation toolkit for Alpine green H2 ecosystems

Policy guidelines to implement local Alpine green hydrogen ecosystems

## AMETHyST in your region



- [Auvergne Rhône-Alpes Energy Environment Agency \(Lead partner\)](#)
- [Tenerdis Energy Cluster Auvergne-Rhône-Alpes](#)
- [Fondazione Bruno Kessler](#)
- [Autonomous Province of Trento](#)
- [Energy Agency South Tyrol - CasaClima](#)
- [Energy Management Agency of Friuli Venezia Giulia](#)
- [Energy and Climate Agency of Podravje](#)
- [Standortagentur Tirol GmbH](#)
- [Civic Foundation Energiewende Oberland](#)
- [BlueArk Entremont](#)

Thanks already to the first 129 followers on [Linked](#), [Twitter](#) (@2022\_AMETHyST) and [Youtube](#). Please subscribe, follow and help spread the word about @AMETHyST.

You can find more information about the project on our project website:  
<https://www.alpine-space.eu/project/amethyst/>

Best regards,

Team AMETHyST



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SUSTAINABLE ENERGY



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