# A CARBON-NEUTRAL ALPINE REGION

Liguria, Eusalp, Europe:

**MOBILITY PERSPECTIVES TO 2050** 

October 13, 2022, Region Liguria

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## POLICY AREA: A CARBON-NEUTRAL ALPINE REGION



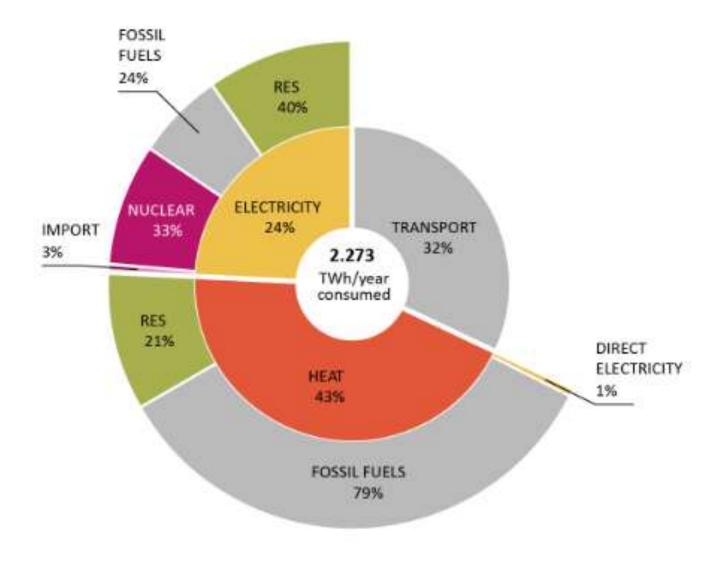
Cross sectoral policy areas: **AGs working together** across different
pillars of the Macrostrategy.

"A carbon-neutral Alpine region" with the contribution by Action Groups 1, 2, 3, 4, 5 and 9.

## THE CROSS-SECTORAL STRATEGIC INITIATIVES

- 1) Green Hydrogen for the Alps
- 2) Energy Objectives for the Alps





Source: Eurac Research

Figure 13. EUSALP energy consumption and share of RES.

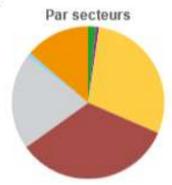
Data source: EUSALP Energy Survey 2017 and Eurac Research elaborations

# THE BAD NEWS...

- Energy mix from transport sector not available! We need more data available at regional level
- Ex for AURA region

#### Consommation d'énergie

Par secteurs
 Par type d'énergie
 Par usages





#### Consommation d'énergie

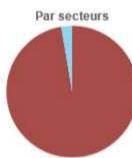
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#### Consommation d'énergie

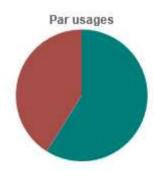
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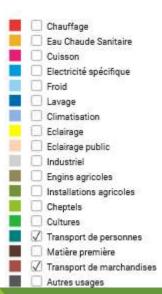




#### Consommation d'énergie

Par secteurs
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# ...AND THE GOOD NEWS!

Reshaping the energy survey and methodolgies issues

Implementation of a collection data platform and a datavisualisation platform based on Terristrory open source code

Conducting the energy survey to get the energy profile of all EUSALP regions, with possibility to compare and aggregate at EUSALP level (and other level)

Roadmap for an Alpine Energy observatory

We will need your help for identifying the person/organization in charge of these data in your region to fill in the survey when ready (mid 23). Results to be presented end of 2023!



#### **Alpine Space**

#### CERVINO

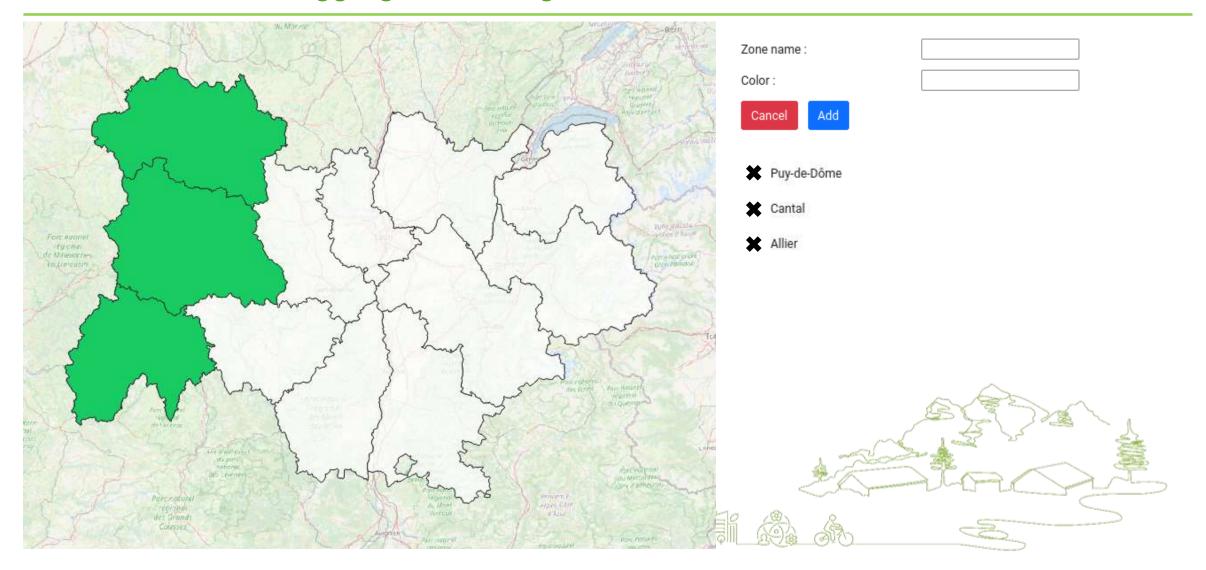


Small Scale project Alpine Space (End feb 24)

LP: IRE Liguria PP: AURA-EE, EURA, KSSENA, EWO

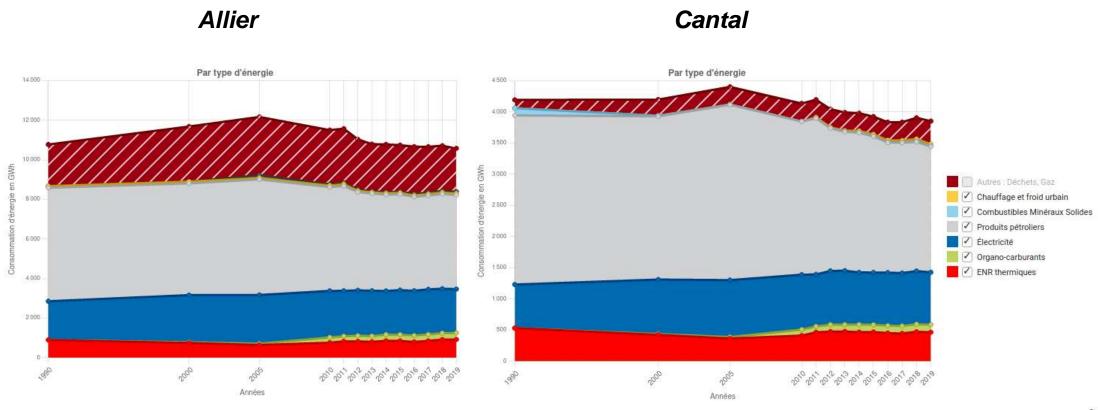


## Possible features: aggregation of regions to create sets





## Comparing regions or sets































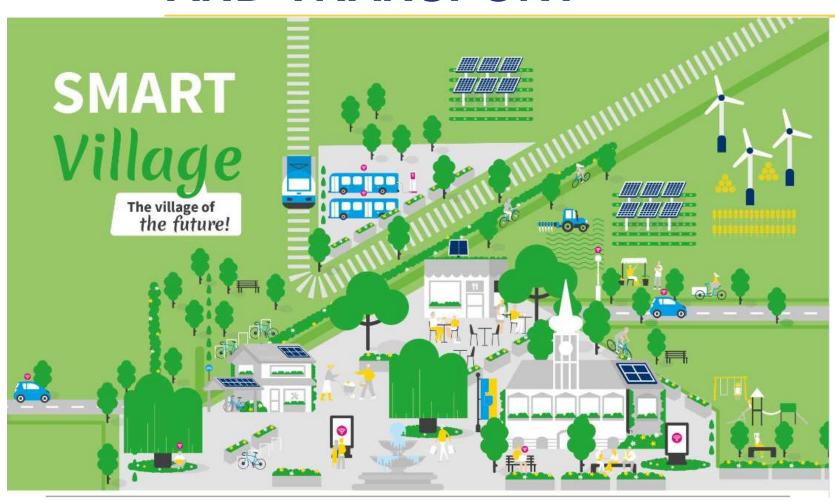


# **AG9 ACTIVITIES**

## 4 main topics adressed:

- Improving energy efficiency in Small and Medium Enterprises
- Setting up an energy observatory for the EUSALP area
- Development of renewable energy communities
- Promotion of green hydrogen in the EUSALP energy mix within the EUSALP area

# RENEWABLE ENERGY COMMUNITIES AND TRANSPORT



- Promotion by AG9 (Alpgrids, Prospect 2030 EU projects)
- Link with the Smart village approach ( AG5)
- Generate RES through citizen participation, can be used for mobility purposes

## **GREEN HYDROGEN FOR THE ALPS**

### Activities:

- Establishment of the H<sub>2</sub> Focus Group
- Letter of Intent signed by 10 regions to "strengthen their cooperation in the field of hydrogen-based solutions addressing primarily sustainable mobility"



## **GREEN HYDROGEN FOR THE ALPS**

### **Activities:**

 Study on renewable hydrogen uses, production and policy priorities (download from the <u>EUSALP homepage</u>)



- Hydrogen Workshops 2020 and 2022
- Embedding events
- Joint project development (H2020, ASP, CEF, ...)





## **GREEN HYDROGEN FOR MOBILITY**

- Hydrogen high on the EU agenda (Green deal, RePower EU)
- H2 to be incorporated in the EUSALP mobility energy mix
- H2 as a RES storage
- Hydrogen interesting for « non easy electrification »: small trains line, heavy duty vehicles, touristic uses
- H2 focus group (10 Eusalp regions committed)
  - Embedding H2 in ROP 21-27
  - Investing in H2 infrastructures and production along Alpine corridors (CEF AFIF)
  - Raise capacities of Local authorities through Interreg Alpine space project proposal AMETHYST

# CONCLUSION

Transport sector is the the most difficult one to decarbonized!

All initiatives welcomed, and only a variety of approaches will allow to tackle the challenge