



EUSALP EU STRATEGY FOR THE ALPINE REGION

www.alpine-region.eu

EUSALP Energy Observatory Objectives and roadmap

Patrick Biard & Etienne Vienot, 20.03.2018, Bozen/Bolzano



**Auvergne
Rhône-Alpes**
Énergie Environnement



80 million people, 7 countries, 48 regions,
mountains and plains addressing together
common challenges and opportunities



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This project is co-financed by the European Union via Interreg Alpine Space

EUSALP Energy Observatory: Background

- EUSALP energy strategy:
 - ❖ Need for macro regional energy data at Alpine level to:
 - develop consistent objectives, plans and measures
 - assess the effectiveness of adopted measures

- 2017 EUSALP energy survey by EURAC:

“Need for more harmonized and simplified procedures of energy data sharing, in order to obtain a more precise EUSALP figure, up to establishing an **EUSALP energy observatory**, to be kept updated and accessible by stakeholders »

“ Such an EUSALP energy observatory could **assess the effectiveness** of adopted measures by executing regular updates of harmonized energy data, in comparison to implemented political and financial framework and **target values** set by local energy strategies.

EUSALP Energy Observatory: Background

2018 EUSALP work program of the Tyrol Presidency:

Establishment of a macro-regional energy observatory

With its specific geographical and structural characteristics, the Alpine Region has diverse potential for becoming a model region for energy efficiency and renewable energy. In that context, reliable energy data are an important basis for decision-makers to formulate, implement and verify the effectiveness of energy policies and measures. At the macro-regional level, too, energy data can help to implement and monitor a long-term cross-border energy strategy for the Alpine Region. This is where the EUSALP Energy Observatory is relevant. With the help of the observatory, actual energy production and consumption in the Alpine Region will be mapped and macro-regional developments and trends identified. It will also be a help for those Regions in the Alpine Region that are not currently collecting and evaluating local energy data themselves. Implementation of the observatory project requires networking a series of actors as well as collecting and standardising the relevant data.

As a first step, the Tyrolean EUSALP presidency will support the establishment of a competence network in 2018. On the basis of existing regional cooperation agreements and observatories in the Alpine Region, a competence network will be developed to elaborate the framework conditions, prerequisites and fields of action for the EUSALP Energy Observatory in a series of workshops in 2018.



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EUSALP Energy Observatory: Background

➤ Strong expertise in energy data sharing already available

❖ At National, Regional and Local levels

- For energy planning and monitoring (Covenant of Mayors, other energy planning schemes)
- Through existing data sharing processes and partnership (Regional and local observatories, statistical offices, EU projects, ..)

Data access, data processing, data dissemination,..



Motivation factors

- Characterize the **current situation**; identify **trends** and **influencing factors** in the Alpine region
- Set Alpine objectives contributing to overall EU **2030** and **2050** energy and climate objectives

EU 2030 :

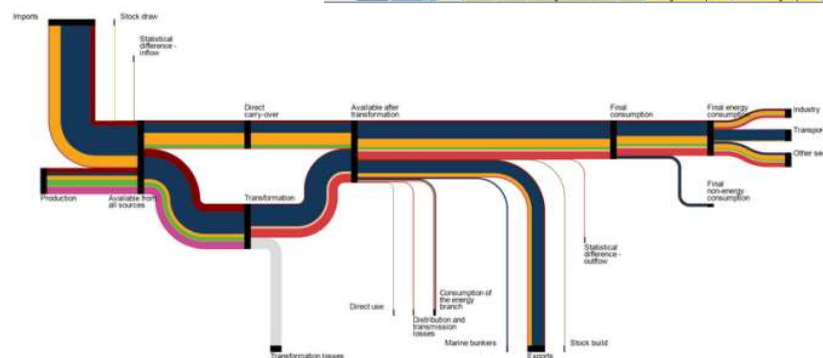
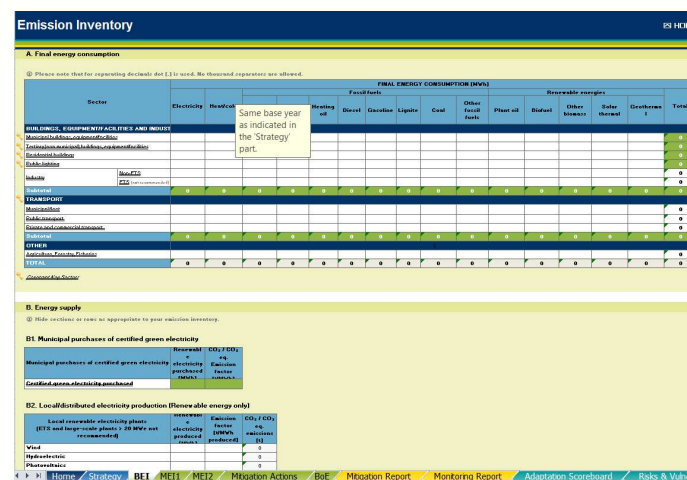
- a 40% cut in greenhouse gas emissions compared to 1990 levels
- at least a 27% share of renewable energy consumption
- at least 27% energy savings compared with the business-as-usual scenario

EU 2050 :

- Towards carbon neutrality
- 80 % (domestic) emission reductions by 2050



- Baseline Emission Inventory
- Energy flow diagrams



Motivation factors

➤ Identify **resources and levers** for taking action

➤ **Benchmarking** among regions



Proposed objectives

- **Support energy strategies and objectives at Alpine level.**
Monitor progress.

Providing **periodic** and **accurate** energy data and benchmarking information based on bottom up and top down data sharing methodologies

- **Disseminate energy data to public authorities and general public:**

Through for instance an **online platform** and webmapping, respecting the INSPIRE directive

- **Develop **win-win scenario** with key data providers:** **Get inspired from EU projects and platforms about data sharing:** <http://www.50001seaps.eu/home/>
SetAlps Observation Network for Territorial Development and Cohesion (*ESPON*) www.meshartility.eu/

As we see it now

➤ The EUSALP ENERGY OBSERVATORY

❖ Can take different shapes and forms:

network of experts, centralised data centre, mix,...

❖ Will require several phases of discussions and planning activities in 2018 and 2019 in order to be able to develop the observatory

Roadmap: 3 phase approach

Inception

- Creation of an Alpine competence network in energy data sharing.
- Prefiguration of the EUSALP Energy observatory

Elaboration

- Elaboration of a common project development plan of the observatory

Implementation

- Implementation of the project development plan and Creation of the observatory

Roadmap: 1. Inception

Creation of an Alpine network of experts in energy data sharing : Starting March 2018

- The network will **support AG9 to collect energy data** for the entire EUSALP and hence support the consortium in defining and implementing a long-term energy strategy for the Alpine territory, building on the existing EUSALP energy survey after local verification.
- The network will **provide support and recommendations** for the prefiguration (strategic objectives, framework conditions, prerequisites and fields of action) of the EUSALP Energy observatory and later on for the elaboration of a common project plan.
- The network will become a **reference point for Regions that not yet possess data collection centers**. It will facilitate short term exchange of information about data sharing and data processing methodologies.

The network will meet at several occasions (4 times during 2018/2019) to define the scope and framework of the EUSALP energy observatory.

Financial support provided by ASP AlpGov project



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Roadmap: 1. Inception

Prefiguration of the EUSALP energy observatory: March – Nov 2018

- The prefiguration of the Alpine energy observatory will be **coordinated by the AG9 lead and the Alpine network of experts**. It will consist in defining a common set of:
 - strategic objectives
 - framework conditions, prerequisites,
 - fields of actions
 - governance processes
 - Business model and funding
 - Harmonized data sharing processes and tools

External support by a consultant or EU organization, such as ESPON, will be required to help coordinate the effort. It should be done in **close cooperation** with the knowledge platform being developed in AG1 and using the outcomes of the EUSALP energy survey.

Financial support provided by AlpGov project.

Roadmap: 2. Elaboration

Elaboration of a common project development plan of the observatory: Nov 2018-June 2019

The elaboration of the Alpine energy observatory project development plan will be **coordinated by AG9 lead and the Alpine network** of experts.

External support by a consultant or EU organization, such as ESPON, will be required to help with the definition of the Alpine Energy Observatory implementation plan

Financial support will be needed from Alpgov project and/or an Alpine Space project

Roadmap: 3. Implementation

Implementation of the project development plan and creation of the EUSALP Energy Observatory

Financial support will be needed from an Alpine Space project?



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Roadmap: 2018-2019 workplan

- 1 Identification of regional/local energy observatories and experts: Jan. 2018
- 2 Establishment of an **expert network**, first meeting: 20 March 2018 in Bozen
- 3 Second **expert network** exchange meeting: 6 June 2018 in Innsbruck
- 4 Prefiguration of an Alpine Energy observatory: S2 2018
- 5 Third **expert network** exchange meeting: 23 Oct. in San Gallen (combined with AG9 meeting)
- 6 Preparation of an Alpine Space project proposal: Q4 2018 tbc
- 7 Proposed common project development plan: June 2019



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EUSALP Energy Observatory

Workshop discussions

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Workshop discussions

15 min

1. What is your preferred name of the network?

- 1.EUSALP _ ENERDATASHARE
- 2.EUSALP _ ENERDATANET
- 3.ENERDATALPS
- 4.Other

20 min

2. What will the network need to function well?

- 1.Internal communication: Common web repository?
- 2.External communication: leaflet? Webpage? Presentation at EUSALP conference?
- 3.Experts engagement: support letter?
- 4.Other?

Workshop discussions

3. What should be the main activities of the network over the next 2 year period? 30 min

in terms of:

promotion

technical discussions

search for funding?

..

that will support the prefiguration and setting up of the ENERGY OBSERVATORY

4. What do you think should be the main objectives of the ENERGY OBSERVATORY? Do you agree with the ones outlined so far? Any changes ? 20 min



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