



EUSALP EU STRATEGY FOR THE ALPINE REGION

www.alpine-region.eu

EUSALP Energy Observatory

2nd EUSALP Energy Conference

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**Auvergne
Rhône-Alpes**
Énergie Environnement

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



Interreg
Alpine Space
AlpGov



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

EUSALP ENERGY OBSERVATORY - STRATEGIC OBJECTIVE

Provide free, accurate and periodically updated energy data (energy consumption and energy production data at macro-regional level) that **support the development of a long-term energy strategy** for the Alpine macro-region.



EUSALP ENERGY OBSERVATORY – MOTIVATION FACTORS

- Support the development of a long term Alpine sustainable **energy strategy, objectives and plans**
- Facilitate the **decision process** at macro-regional and regional levels and determine both quantitative and qualitative priorities (policies, measures, projects,..)
- Identify **resources and levers** for taking action
- **Facilitate benchmarking** among regions



EUSALP ENERGY OBSERVATORY – CONTEXT

- Strong expertise in energy data sharing already available:
 - ❖ **In the Alpine regions:**
 - Through existing data sharing processes between data providers and public authorities
 - Existing regional energy data centres and observatories (Liguria, Piemonte, PACA, Auvergne Rhône-Alpes, ..)
 - Focusing on energy planning and monitoring (Covenant of Mayors, other energy planning schemes)



Data access, data processing, data dissemination,...

EUSALP ENERGY OBSERVATORY – CON

- 2017 EUSALP AG9 focus group meetings established:
 - ❖ Need for macro regional energy data at Alpine level to:
develop consistent objectives, plans and measures and
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



EUSALP ENERGY OBSERVATORY – CONTEXT

- Part of the 2018 EUSALP work program of the Tyrol Presidency
- Creation of a network of experts and technical workshops
- Prefiguration and concept defined

EUSALP ENERGY OBSERVATORY – CONCEPT

TARGET USER GROUPS will benefit from the energy data services supported by the EEO:

- **Main user group :**
 - EUSALP decision makers
 - EU level organizations
 - Regional decision makers
 - Academic, Research and Consulting organizations
- **Other beneficiary group :**
 - Local decision makers
 - Alpine enterprises
 - NGOs and civil society



EUSALP ENERGY OBSERVATORY – CONCEPT

SPECIFIC GOALS:

1. To periodically collect, process and disseminate the EUSALP energy data set to the target user groups. Data will be collected with the support of EUSALP regions and territories
2. To harmonize the EUSALP energy data collection and management processes
3. To facilitate the implementation of effective data sharing partnerships with key energy data providers
4. To comply with EU data protection regulation and with the Inspire Directive about spatial data regulation
5. To promote the development of advanced energy related data sets facilitating the implementation of the EUSALP strategy, such as the:
 - Energy flow between EUSALP regions
 - Economic Key Performance Indicators
 - Energy Poverty Indicators, etc.
6. To collect and share key measures put in place by states and regions to achieve defined energy targets and goals thereby facilitating the exchange of knowledge

EUSALP ENERGY OBSERVATORY – CONCEPT

GOVERNANCE:

- The observatory could take different shapes and forms:
network of experts, centralised data centre, mix,..
- A steering committee with the participation of:
 - EUSALP AG9 leader (chairing the steering committee)
 - AG9 members interested in the topic
 - Representatives of the main user group
- A technical committee with the participation of:
 - AG9 technical experts involved in the EEO workshops
 - Representatives of the main user group
 - Representatives of energy data providers
 - National or regional statistical offices
 - Representatives of other EUSALP related AGs e.g. AG2, AG8.

EUSALP ENERGY OBSERVATORY – CONCEPT

Roadmap

Three project phases are implemented in order to prefigure and support the creation of the AEO.

Inception

- Creation of an Alpine competence network in energy data sharing
- Prefiguration of the EUSALP Energy observatory and 1st Energy inventory (survey)

Planning

- Elaboration of a common project development plan of the observatory
- 2nd Energy inventory (survey)

Implementation

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

The inception phase is taking place in 2018. It is supported by the AG9 group members and the Alpgov project (Alpine Space Programme). The planning phase will take place in 2019.

EUSALP ENERGY OBSERVATORY – CONCEPT

FUNDING:

The inception phase has been financially supported by the Alpgov project and the AG9 members.

Since the observatory will mainly serve regional, national and European decision-makers, public funding was the prioritized financing option of the experts.

EUSALP ENERGY OBSERVATORY – CONCEPT

DATA SET:

- Primary energy consumption
- Final energy consumption
- Primary energy production
- Final energy production
- Final energy consumption from renewables
- Final energy production from renewables
- Final energy consumption by sector: Residential, Industrial, Transportation, Tertiary, Agriculture
- Final energy consumption by energy source
- Electricity production (final energy) by energy source
- Heat production (final energy) by energy source
- Estimated remaining potential of RES in electricity and heat productions
- Energy strategy and related regional/national regulations at regional/canton levels
- Medium term (2030) and long term (2050) targets of the energy strategy



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THANK YOU!

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