



**DIGITAL
ALPS**
CONFERENCE

**ENERGY TRANSITION AND
RENEWABLE ENERGY
COMMUNITIES**

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- In Aosta Valley the Sustainable Energy Development Service is the competent Regional Office in the energy fields with focus on energy transition.

COA ENERGY SERVICE

- COA energy service is responsible for working for the competent Regional Office on different activities.

OUR JOB

- Implementation of **training** and **information** initiatives
- Management of the **regional energy certification system** and related controls
- Management of the **Cadastre of Thermal Plants** and related controls
- provides information and technical advice on energy issues through the **information desk** Info Energia Chez Nous
- Development of projects on **energy efficiency, renewable sources**
- **Regional energy planning** and energy balances



PEAR VDA 2030

The Regional Energy Environmental Plan (PEAR VDA 2030) is the regional tool for energy planning. It indicates the direction to follow and the targets to be achieved by 2030 in order to reach the objective of being fossil fuel free by 2040.



PILLAR 1 – REDUCTION OF CONSUMPTION



PILLAR 2 – INCREASE IN LOCAL PRODUCTION OF RENEWABLE ENERGY



PILLAR 3 - NETWORKS AND INFRASTRUCTURES



PILLAR 4 – PEOPLE



DIGITALIZATION IN THE PEAR VDA 2030

Digitalization of the electricity system is an **enabling condition** to promote the energy transition, in particular with regards to the electrification process, the passage towards decentralized production and energy efficiency. For these reasons digitalization holds an important role within the PEAR.

- ELECTRICITY TRANSMISSION NETWORK
- ELECTRICITY DISTRIBUTION NETWORK:
 - tele control of sub-stations
 - campaign for the installation of 2G smart meters (continuous monitoring of flows)
- DIGITALIZATION OF THE NATURAL GAS DISTRIBUTION NETWORK
- DIGITALIZATION AND INNOVATION:
 - Vehicle-to-Grid (V2G)
 - storage
 - development of the RECs



RENEWABLE ENERGY COMMUNITIES

- A Renewable Energy Community is an association that **produces and shares renewable energy**. The community may be composed of local citizens, businesses, public administrations, small and medium-sized enterprises, etc...

BENEFITS

- **Environmental benefits:** reduction of CO2 emissions and reduction of energy losses during distribution
- **Economic benefits:** each member receives a sum from the Community based on the shared benefits
- **Social benefits:** development of a local productive sector and the growth of new jobs
- efficient **electrification** solutions
- **Decentralization:** few large power plants → many small power producers

REC – RECROSSES PROJECT

Renewable Energy trans-national Communities towaRds One-Stop-Shop Energy Services

COA energia is undertaking various preparatory studies on the future development of self-consumption set ups. The ALCOTRA RECROSSES project is set in this context.

- The **general objective** of the project is to support the creation, management, maintenance and growth, over time, of the Renewable Energy Communities (RECs) across the Alcotra territory.

SPECIFIC OBJECTIVES:

1. To establish a common methodology for the creation and management of RECs.
2. To create support tools for the RECs
3. To start up or to boost a technical support service (One Stop Shop).
4. To concretely support 30 RECs in the ALCOTRA territory





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THANK YOU!

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