

MountEE: Energy efficient and sustainable building
in European municipalities in mountain regions

REGIONAL STRATEGY

Partner : Rhônalpennergie Environnement (together with ASDER and AGEDEN)

And

- Métropole Savoie,
- Communauté de communes du Grésivaudan,
- Communauté de communes de l'Oisans



1) Context

All politic levels, from European commission to municipalities are now engaged to reduce energy consumptions and CO2 emissions.

Municipalities and group of municipalities are a very important actor for action because :

- They owned many buildings
- They can influence their consumptions but also other consumptions on their territories with local actions and policies

Thus, the authorities now have a duty of exemplarity through the management of their consumption, the quality of their own projects (new constructions and renovation), the development of the production of renewable energy and accompaniment of projects.

Métropole Savoie, le Grésivaudan and Oisans are very different in structure. They have in common that they engaged for several years, local strategies that will strengthen Mountee project for the construction and renovation of public sustainable buildings.

Metropole Savoie (116 municipalities) is engaged for sustainable construction through the Local Sustainable Development Contract and urbanism policies witch allows subsidies for sustainable building conception studies and organize information, communication and trainings.

Gresivaudan (47 municipalities) is engaged in a Sustainable Energy Action Plan. Some actions of this plan are specially dedicated to energy saving and sustainable construction and target different building owners (municipalities, citizens but also industries).

Oisans (20 municipalities) is very influenced by Winter tourism activities and the population in winter grow by factor 10.

2) Sustainable building objectives

Climate and environmental issues are reflected in very concrete objectives developed by territories aware of their role in the control of energy demand, exemplarity and production of local renewable energy.

For particularly strong stakes reasons, construction and renovation of buildings, energy efficiency and renewable energy, are widely shared objectives for territories.

In this area, efforts are being made to:

- Accelerate the thermal renovation and ensure performance and quality
- Improve the performance and quality of new buildings
- Develop renewable energy production
- Develop skills and local employment
- Reduce the fragility and vulnerability of the poor

- Adapt to climate change

Depending on the context, these overall objectives are broken down by each territory into operational objectives that allow the construction of actions:

1 - Engaging stakeholders of the building chain

- Awareness (elected officials and professionals)
- Emulation around a theme or project
- Networking and exchange

2 - Supporting public procurement

- New acquisitions of knowledge for project management
- More detailed calls for tender
- Trigger project faster
- More efficient building objectives

3 - Raise competence in

- Changes in work habits
- Vertical Organization process
- Building engineering teams
- Specialization and Skills Development
- New jobs (seal, gray energy)
- Recruitment of new profiles

4 - Distribute feedback

- Organize the capitalization of all experiments for dissemination
- Encourage the reproducibility

These targets are themselves broken down for different target projects (public / private, renovation / new, housing / commercial) and actors (policy makers / project owners / companies).

3) The means to achieve the objectives

3.1 - Integration in local politics

These objectives find their place in a cross in the action plans in progress or to come and how interventions can be mobilized in each territory involved in MountEE.

Metropole Savoie has set up a "Sustainable Building action program" to mobilize all stakeholders of the construction around the environmental quality of new and renovated buildings.

For this purpose, three types of interventions are undertaken:

- Call for project: public construction projects are selected and accompanied to optimize their environmental performance.
- Awareness: in the form of events, sessions several days of sightseeing or trips
- The educational development through missions thematic accompaniment and

support.

Gresivaudan and Oisnas has set up local Climate action plan with specific actions dedicated to sustainable building construction and renovation.

3.2 - Means within Mountee

The MountEE project complement and strengthen actions in each territory. It focuses in particular on the establishment of common advisory service to build and renovate their public buildings by integrating ambitious environmental quality, energy efficiency and use of renewable energy.

a. Local Cooperation Committee to involve stakeholders

Local cooperation committee gathers the most possible actors of the construction chain. This is an open discussion and sharing place. Its objectives during the project and beyond if is to share:

- Actions MountEE project
- The experience and information on sustainable public buildings beyond the project feedback other approaches and other territories, regulatory developments, training, research ...

b. Counseling and assistance

Aim is to establish common services to support municipalities to build and renovate buildings with an ambitious energy performance and environmental quality. These services are provided through the analysis of the needs and capacities of communities and tested on pilot projects.

The establishment of a support service allows to develop a concept of transversality between community projects, to capitalize on the experience of each project and therefore incur a truly dynamic shared progress.

c. Pilot projects

To test the strategy and services, 9 pilot projects will be accompanied by ASDER and AGEDEN the three communities involved. They will initiate a service project support. The pilot projects have therefore an important experimental and exemplary role. Strong communication shall be made on these projects. They serve as a reference for scaling and enrich the contributions of European partners and Local Cooperation Committee composed of stakeholders in the construction sector in Isère and Savoie.

The contours of the missions are defined but the aim of the pilot projects is to refine the needs of owners and how to respond.

The selection of pilot projects is made on the basis of a call for expressions of interest launched by the end of 2012 three communities.

d. Capitalisation and communication

To share up with the actors, communication tailored to each target will be set up around the project and the experience gained will be used to design training and conferences. Broadcast to other territories will be held at the end of the project.

4) Vision of medium and long-term strategy

Beyond Mountee project, medium and long term objectives are manifold:

- Ensure permanent mobilization of actors with actions towards all public
- training for professionals on sustainable construction to make the standard practices evolve.
- Maintaining and developing the service offering and raise the technical competence of communities to ensure that all municipalities would have the capacity to build and renovate their buildings with energy performance targets, the use of renewable energies and environmental quality of buildings.
- Extend the action and service to others building owners through specific actions and services including directed to:
 - o Social housing
 - o The private housing
 - o The private tertiary

5) Partnerships and key players

The first partnership is established between the project stakeholders:

- The three areas of application: Metropole Savoie, Gresivaudan and Oisans
- Regional and international structures Rhônalpénergie-Environment and CIPRA
- Operational structures: local energy agencies ASDER and AGEDEN,

Beyond these core partners and within the Local Cooperation Committee, the players in the construction of the Savoie and Isère were targets:

- Communities and institutions carrying Communities :
- Professionals and their organizations
- Banks
- The structures of innovation / research in the field of building