



mountEE: Energy efficient and sustainable building
in European municipalities in mountain regions
IEE/11/007/SI2.615937

D 3.3 : DESCRIPTION OF REGIONAL STRATEGY

UPDATE

Region / local area considered: FRIULI VENEZIA GIULIA REGION

Regional strategy submitted by RCC AND ARES

Project MountEE for our mountains. Towards MountEE 2.0

Our mountains always greener ... a common commitment to a new sustainable building

The project "MountEE" was intended to give support to the municipalities, ATER (public social housing) and public bodies in general in three European mountain areas (Scandinavia, the Alps, the Pyrenees) in order to help them to change their way of designing and constructing (new constructions and renovations) and to guide them towards increased energy efficiency, towards greater use of renewable energy sources and also to sustainability in construction.

MountEE succeeded in attracting in RCC working group RCC a wide range of stakeholders: some politicians, local authorities, professionals and also economic institutions.

On February 28 pilot project of MountEE ended.

The time available to the technicians to carry out the task of the service package was the first element of verification and comparison especially with the slowness of response from public administration.

We first developed the regional criteria with the RCC members and start to find pilot projects.

It was very difficult in this economic period to find project of new public buildings or of renovations, due to stability pact.

Besides in Italy public construction is a very long process that last for more than 3 years from design to end of constructions...

So we focus on finding more pilot projects (10) than planned (6) and tested some modules of the service package on each projects, instead of testing all the modules in a few projects.

We offer module 5 of the service package also to existing buildings to understand how this kind of advice service can be much more widespread and also dedicated to all existing buildings and not only to a few "pilot" buildings.

We understand that this kind of advice service is really needed and sometimes it was seen as an own need by municipalities.

Testing the modules of the service package was an innovative experience and essential to improve the level of energy efficiency in the design phase, in the planning phase, in call of tenders and also in existing buildings for testing the real consumptions.

Problems and opportunities that emerged in pilot projects

Taking a system studied in another european country, although with similar climate and conditions, and introducing it in a different country can produce critical situations to be overcome, but also positive aspects to highlight, evaluate and consolidate.

Some problems emerged:

- a low quality design, especially in cases of advices activated during the construction phase, can create difficulties in completing the testing of the various modules at optimum levels;
- lack of interest or lack of knowledge about the importance of a better management of consumption or about monitoring when the building is in use, is an element to focus on by capacity bulding activities and training;
- current building design often forget the installation of monitoring system for electrical and thermal consumptions, that is fundamental for implementing module 5;
- MountEE Criteria was very rigid and proposed only two value: "MountEE Value" and "Best Value"; regarding building different uses (residential, offices, schools) we can asset more value with a specific assessment tool like Protocollo ITACA.

Positive aspects:

- ARES was helped for carrying on pilot projects by two groups of professionals and some of them belonged also to RCC. This has allowed us to train new professionals and to have a wide participation of individual professionals testing of individual modules with different approaches that have enriched the pilot projects and this testing phase;
- We had two working groups in which we met different experiences and professional skills, but at the end we start also the big potential of working together;
- The consulting group had a technical third part role, apart from design and construction management;
- The availability of Protocollo ITACA, an assessment method for sustainable buildings (UNI / PDR 13.2015) allows us to have a great tool to define sustainable levels and assess the achievements of the expected results;
- As built documentation, the minutes of acceptance of materials on site and a complete photographic documentation are essential for the service package.

Towards MountEE 2.0

- MountEE 2 should be structured as a network of multidisciplinary skills and knowledge to achieve the goal of the highest quality.
- Financial advice will have to be consolidated by professionals able to take advantage of opportunities provided by the market and opportunities granted by sector regulations.
- The RCC group and especially its activity does not have to end together with MountEE project but it will be a sort of case of knowledge and experience to give precise answers and support thank to group of professionals that will carry out directly the advice service.
- The consultancy is most effective when it is at the beginning of the design phase. This is very important for new building and especially for renovations.
- Models of check list, reports and documents realized during MountEE project for pilot projects will be very important for future activities.
- Testing of various modules of the service package highlighted the importance of the monitoring of buildings after their construction.
- We will develop strategies for an effective communication campaigns in support of the service package activities regarding Public Administrations.

MountEE 2.0 will be able to advice a lot of sustainable public projects helping them to reach “zero energy” and sustainability by means of the service package and Protocollo ITACA assessment tool.