



EUSALP EU STRATEGY FOR THE ALPINE REGION

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Energy management in municipalities

The ASP PEACE_Alps project: Lessons learned, recommendations for EUSALP

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Interreg
Alpine Space
PEACE_Alps
EUROPEAN REGIONAL DEVELOPMENT FUND



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

Main barriers identified

Municipalities face several non-technological barriers to the full implementation of a sound energy management system for their own properties (buildings and street lights).

I can see 4 main barriers that need to be tackled:

- 1) Access to data
- 2) Know-how
- 3) Scale factor
- 4) Communication

Main barriers identified: access to data

- Data are available, but their access is limited or time consuming;
- Innovation, such as smart meters, could ease the task, but the potentialities are still unexploited;
- Most of energy providers deliver some useful energy data, but each one using own templates and schemes;
- In the ordinary working procedure, data are often managed by “wrong” hands. They are treated as cost, rather than as performance indicator.

Main barriers identified: know how

- Lack of skills for performing detailed analysis;
- Difficulties in bridging the gap of ongoing innovation and changes in laws;
- Lack of time for taking care of overlapping activities for public staff;
- Many proposals coming from the market (ESCOs, investors, service providers, retailers, etc....) and lack of assessment capacity in the decision making process

Main barriers identified: scale factor

- Too many municipalities that are too small to use sound management systems
- Investments in energy efficiency could be hindered because of lack of economy of scales

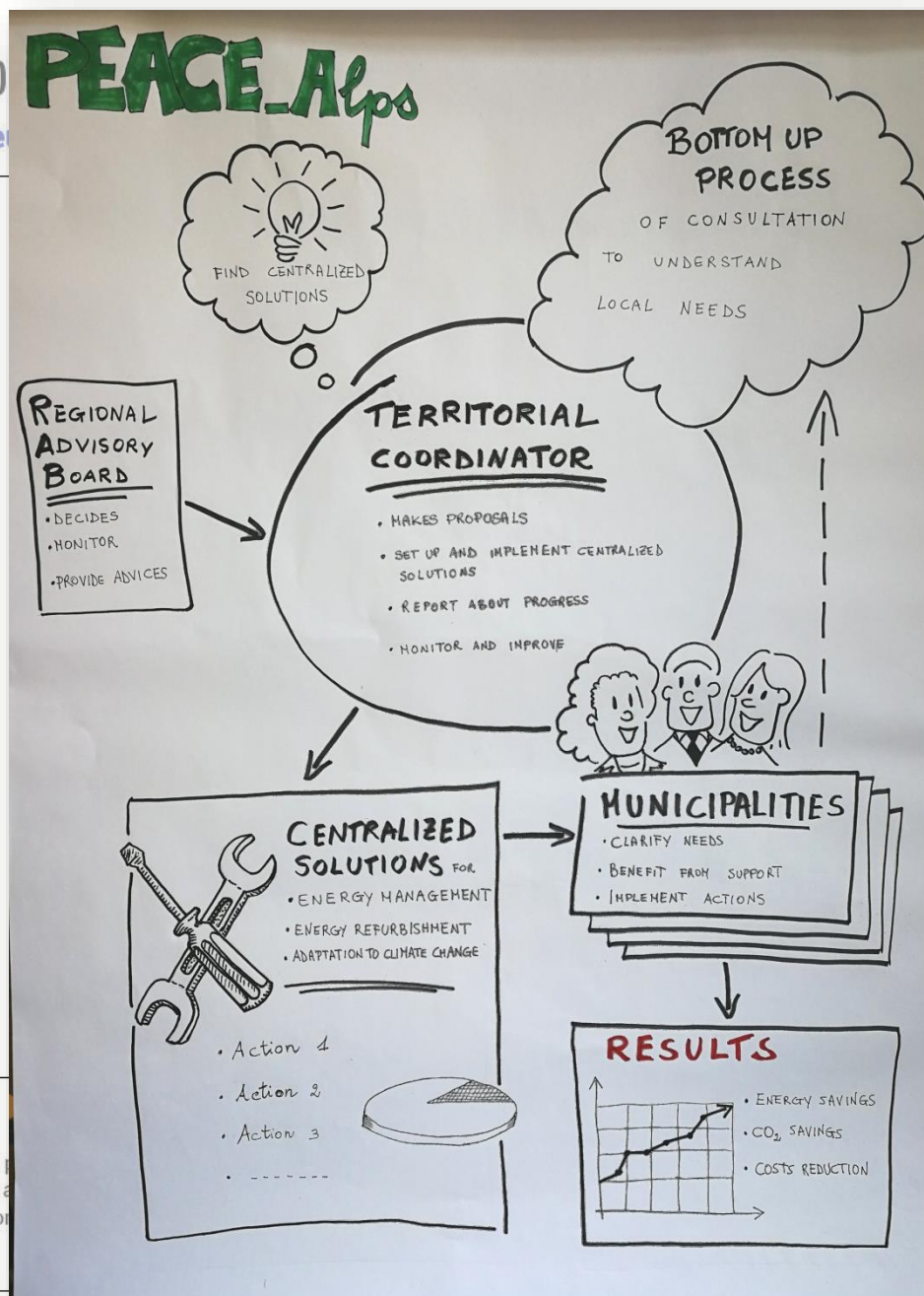
Main barriers identified: communication

- Good practices could be easily replicated, but they are hardly communicated and disseminated properly
- Lack of communication reduce the impact of measures and investments and the awareness of general public



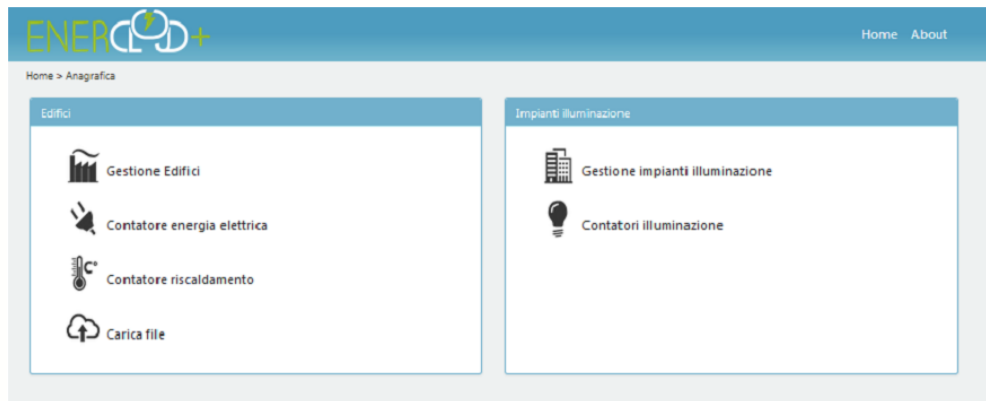
The PEACE_Alps approach

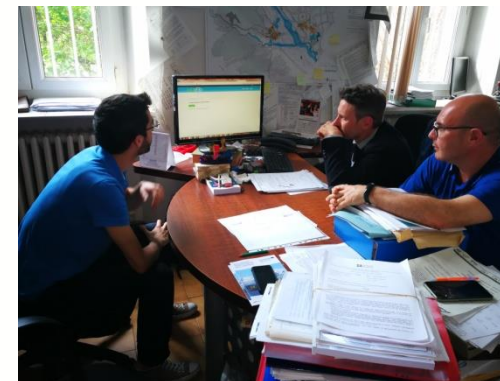
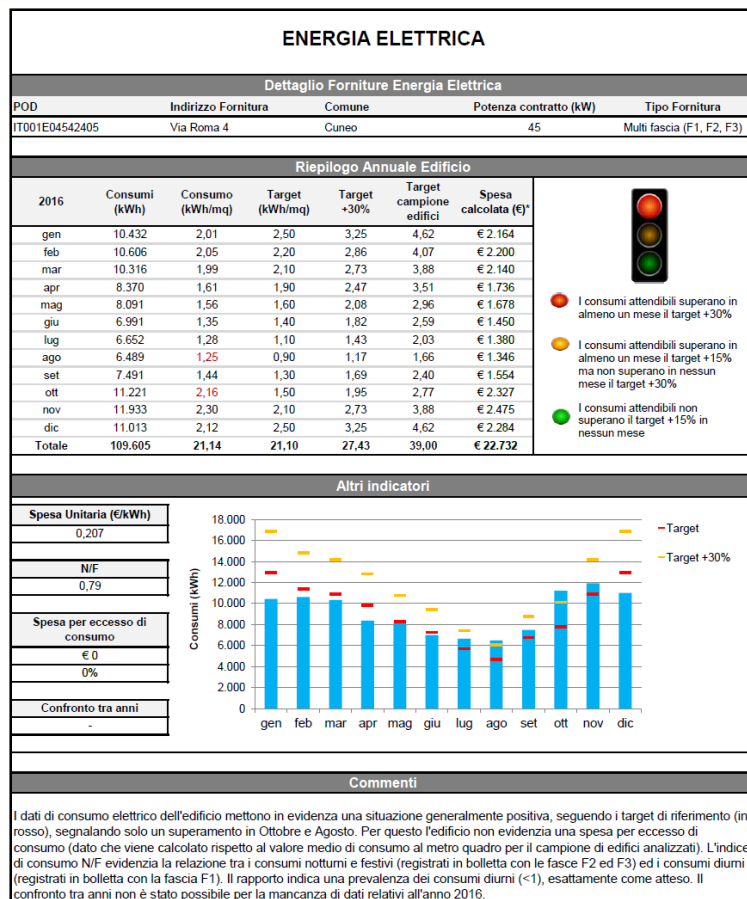
- Bottom-up process to identify needs
- Establishment of a regional advisory board
- Implementation of centralized solutions to achieve results



The PEACE_Alps examples in Piemonte: Energy management tool for municipalities

- Promote the use of a cloud tool for energy management for municipalities
- Support municipalities in data entry task from energy bills
- Benchmarking assessment provided by the tool itself
- Technical assistance in understanding the assessment
- Tips and advices for improvements





Results

So far along years...

- 110 Municipalities involved
- 1.100 buildings
- 27.000 street light points
- 56.000 energy bills uploaded



The PEACE_Alps examples in Piemonte: detailed monitoring campaign on gas consumption of public buildings

- Selection of a sample of large buildings to be monitored on a daily basis for the whole thermal season
- Elaboration of an assessment report with an “energy signature” in order to provide tips and advices for improvement

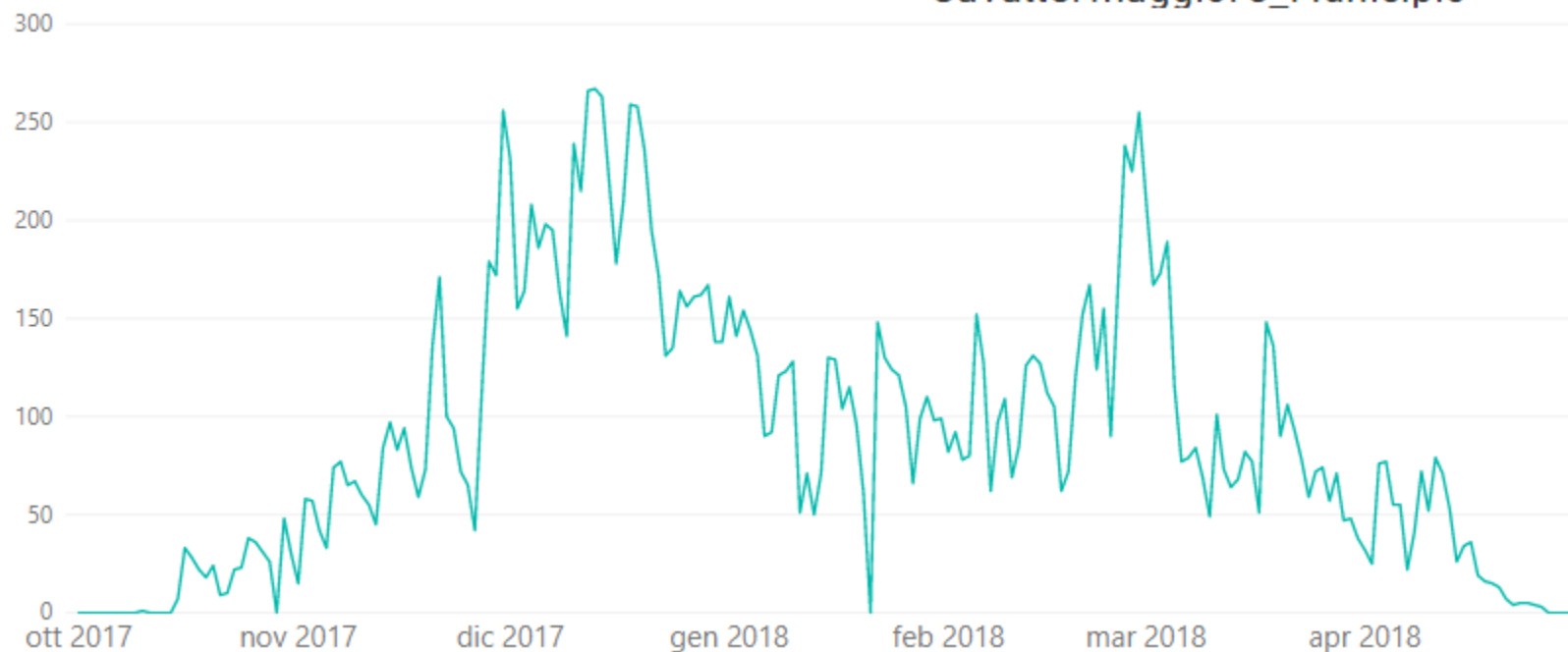




Detailed monitoring campaign on gas consumption of public buildings

Consumo Giornaliero per Data

Cavallermaggiore_Municipio



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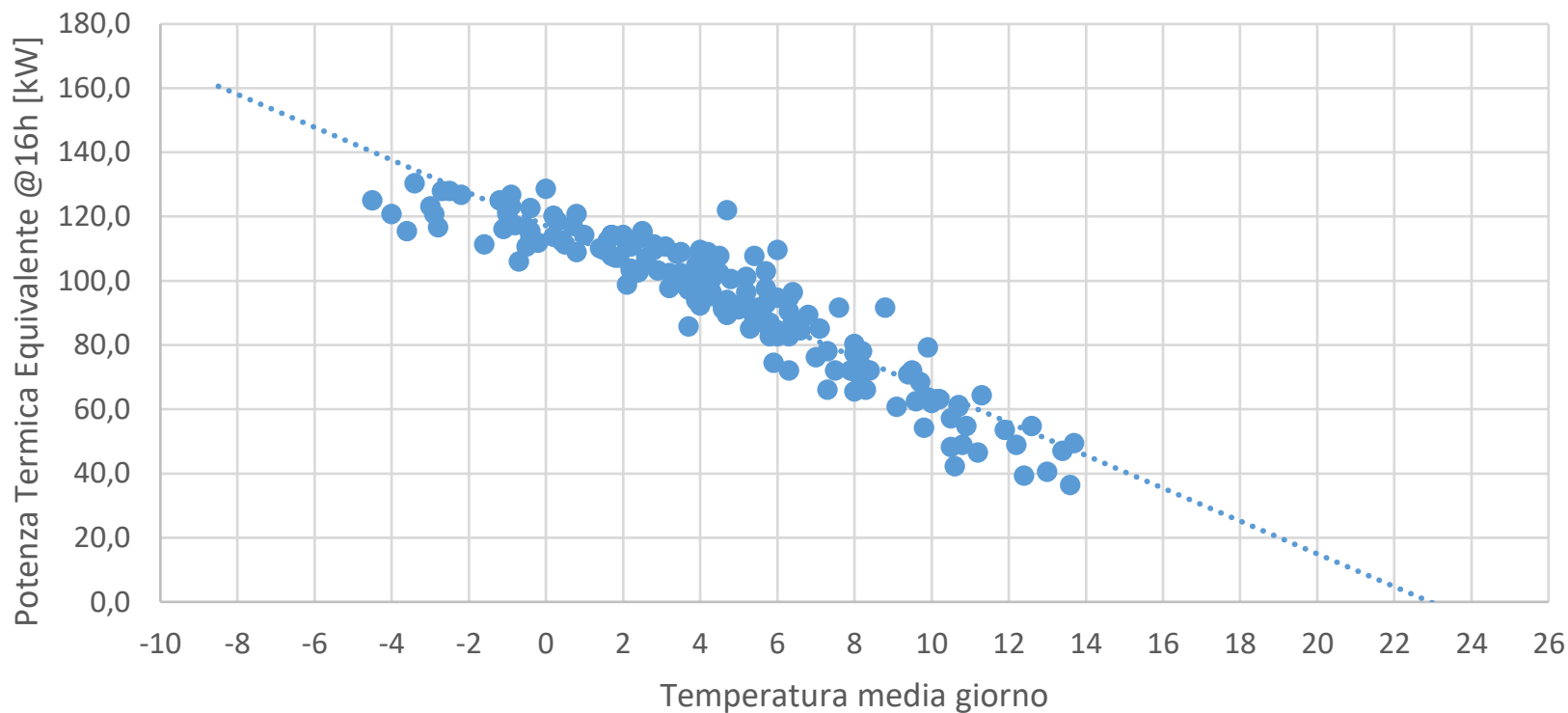
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Firma Energetica - Cavallermaggiore_Municipio





Recommendation for EUSALP

- Reinforce the role of territorial coordinators that can provide centralized solutions for a bundled group of municipalities;
- The support must be based on agreements with political decision behind;
- The support for energy management can be provided as a package of services in order to show more added value to beneficiaries (one stop shop model);



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Recommendation for EUSALP

- Standardization of procedures and methods of assessment must be reached in order to reduce costs and achieve economy of scale;
- Technical assistance services should not be on the spot, but should be longlasting;
- Emphasis should be given to visibility and communication of success stories;
- Durability of centralized service should be provided by financing mechanism.



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Thank you

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