



From the Big Switch Off to Rebus

Best practice

GREVE IN CHIANTI

(Municipality in Florence province - IT)

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by Regional Agency Resources Recovery

**High Energy efficiency for the public stock Buildings in
Mediterranean**

THIRD (VIRTUAL) TECHNICAL SEMINAR – July 7th 2021



Pilot Action: from BSO to Rebus

In the framework of REBUS project ARRR decided to go further and plan a Pilot Action inspired by the **Big Switch Off** Good Practice from **Durham County Council**. Experience within REBUS had already shown the importance of well-trained staff dealing with energy efficiency and of well-informed building users.

Thus, the Rebus pilot action tested a full capacity building programme with the Local Council of Greve in Chianti in Tuscany (Italy). Following a cycle of capacity building events, an energy team was trained to assess the status of the pilot building. Improved behavior of building users led to energy savings amounting to =>

-11.55% compared to 2019

and

-33.68% compared to 2015



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Greve in Chianti city hall



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Rebus project – pilot action

The experience within the partnership of the European project REBUS has shown the importance of having **well-trained staff** in public administrations who can deal with energy efficiency competently; equally important is having the **building users well informed**.

In this context, the pilot action has put in place a comprehensive capacity development program, seeking to address the following key points.



The training path is divided into three modules, summarized as follows:

1. Planning:

behavioral change in relation to the understanding and choice of technologies, processes and methodologies to be taken into consideration when **planning energy efficiency renovation works**.

(promoting behaviour change among all necessary staff from the start of renovation measures)



2. Management:

behavioral change in relation to understanding, application and use of technologies, processes and methodologies to be taken into consideration in the **management of energy efficiency renovations**.

(behavioural changes of daily habits of those who work, manage, use public buildings)



3. Monitoring:

Behavioural change in relation to data provision and collection during energy renovation works, including evaluation of appropriate monitoring tools.

(behavioural changes among all staff / users involved in the monitoring process)



Training / informing is the key

This training course has provided Tuscany Region (the Financing Management Authority) with a concrete solution, ensuring that the participating technicians were prepared to achieve greater energy savings, at very low costs, thus encouraging the adoption of similar approaches in the regional operational program.



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From August to September 2019

149 Local Bodies and **23** Health and Hospital Services were contacted to present projects in order to finalize the cycle of "Save Energy" meetings at the ARRR premises.

The "Save Energy" series of meetings

- were divided into **10** information/training sessions, and
- **23** managers and technicians from public bodies participated.



Municipality Committment

After these meetings, the “*Municipality of Greve in Chianti*”, which had actively participated with a technician and a Council Member (Assessor), informed ARRR that they were interested in putting into practice what they had learned in theory during the cycle of meetings and that they wanted to start an experience similar to that of Durham.



Implementation

The proposed work program was illustrated to the Greve team through a power point presentation on the topics analyzed in the 10 previous meetings held in ARRR headquarters.

The report was adapted to the specific needs of the Municipality; the propaganda material (posters, billboards, stickers) was also reworked and personalized by inserting the logo of the City council, using contents specifically suitable to Greve municipality.



Dissemination and launch



A specific Facebook page - "Europe for Tuscany" - was used as a useful tool for connecting and disseminating the initiative.

The Pilot Action was subsequently launched in the selected building (technical offices) of the Municipality of Greve.





The Greve Energy Team – first steps

During the first meeting, the Energy Team was constituted.

The Team made a tour in all the rooms of the building, verifying the energy situation of each room.

The following activities were then shared:

- Collection of data on electricity consumption in March of previous years (eng. Simone Coccia)
- Daily meter readings (Energy Team)



The Greve Energy Team



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The Greve Energy Team - tasks

Later on the team proceeded with other activities such as:

- Preparation of a dossier to organize the data collection relating to energy consumption.
- Creation of information labels to invite people to
 - keep the attic door closed,
 - turn off the computer lights,
 - remove halogen light on the photocopier,
 - turn off the lights that are not needed,
 - keep the heating off in unused rooms.



The Greve Energy Team - monitoring

The tasks related to monitoring included many specific measures:

- Collection of electricity consumption data for the month of March in previous years
- Daily meter readings
- Recording and organization of the collection of data relating to energy consumption



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The Greve Energy Team at work





Feedback

During the project period, the team verified that colleagues were applying appropriate energy behaviors, and distributed the flyers and stickers that had been specifically prepared.

In April 2020 the Energy Team collected the data and studied the results: the savings actions implemented, made it possible to save a lot of electricity, achieving the set objectives and proving to be fully in line with the results obtained by the English colleagues in Durham.



Communication material



Ricordati di

**TENERE CHIUSA QUESTA
PORTA !**

Altrimenti il calore se ne andrà per le scale...



Ricordati di

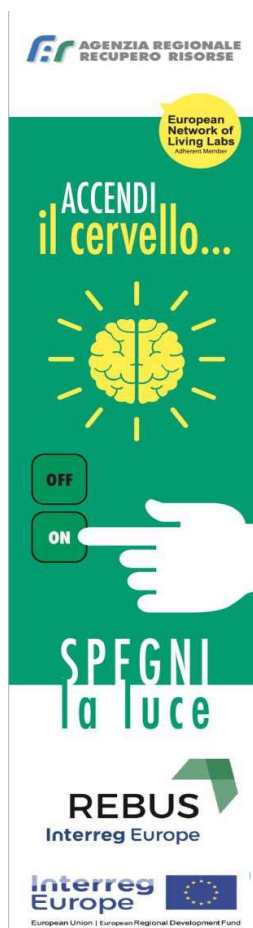
**SPENGERE IL
RISCALDAMENTO !**

Se non usi questa stanza....





Communication material



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Final results and conclusions

The campaign launched to change the behavior of building users gave the following results:

- Reduction of consumption in %: -11.55% in 2020 **VS** 2019
- Consumption in kWh: 1286 kWh (2020) **VS** 1454 kWh (2019)
- Reduction of consumption in %: -33.68% in 2020 **VS** 2015
- Consumption in kWh: 1286 kWh (2020) **VS** 1939 kWh (2015)

We can say that for the **Rebus project** the Pilot Action was a success:

- 1) a training course that was followed carefully by the participants
- 2) a good practice imported thanks to international experiences, which found an excellent application in a Tuscan town.



Thanks for your attention!

