



The "crRescendo" Local Action Plan in Misterbianco

- Action A - Realisation of PV and Thermal solar plants in public structures
- Action B - Citizens' sensitisation
- Action C - Interventions towards families
- Action D - Interventions for saving energy in public lighting

Concerto is co-funded by the European Commission. crRescendo is a project of the concerto initiative co-funded by the European Commission under the Sixth Framework Programme.

Action A - Realisation of PV and Thermal solar plants in public structures

The Municipality of Misterbianco has co-financed, together with the Sicilian Region and the Italian Ministry for the Environment, the **instalment of N° 9 solar plants in school buildings** (4 Photo-Voltaic and 5 Thermal Solar Plants): the annual CO₂ reduction in the 9 school buildings considered, is equal to kg. 161,240.00.

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Action B - Citizens' sensitisation

- **Young Citizens' sensitisation: N° 1 special training course** on alternative energy sources aimed at teachers in local schools for the launching of a special information activity towards schools.
- **N° 2,000 Booklets "New energies for the community moving forward"**: during the feast of Our Lady of the Sick, it has been installed **N° 1 special pavilion** near the sanctuary, for the **dissemination of N° 200 brochures** and to provide information to citizens.
- **N° 1 "Exhibition of local enterprises" participation** and set up of **N° 1 stand** for the **dissemination of N° 400 booklets**, also useful to actively raise awareness of families and other citizens. In the stand, it was also hosted a **local radio station** that broadcasted their programs on live, allowing to better promote our initiative.

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Action B - Citizens' sensitisation

End of January 2011 it was enhanced the **Energy Information Desk** opened in May 2008, with the aim to get informed citizens upon different themes, mainly concerning:


- *energy saving for dwellings and offices;*
- *accession to incentives for the realisation of renewable energy plants;*
- *sustainable lifestyles and mobility;*
- *re-using and differentiated waste collection;*
- *courses, events and fairs;*
- *help in the bureaucratic route that is necessary for the release of authorisations and anything else useful for the achievement of their projects.*

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Action B - Citizens' sensitisation


- **N° 1 Event** named "**Solar Days**" by promoting a competition for graphic and written papers on the topic of renewable energy at local schools: all the solar plants were opened during the event to make them better known to the visitors. In May 2011 has been held **N° 1 crRescendo public lecture** with the students' works exhibition during the meeting with the project partners. *On that occasion, were presented prizes to the students winners of the Solar Days competition.*
- **N° 4 publications** on the monthly local newspaper "**Misterbianco in Comune**" of a page dedicated to renewable energies.
- **N° 2 radio transmissions** made on the crRescendo project.
- **N° 1 Insertion on the Municipality Web portail** of a specific section dedicated to the crRescendo project.

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Action C - Interventions towards families

- N° 1 Analysis of the energetic behaviour of both structures and family habits: in the target area it has been focussed a cabin for the transformation of electric energy which supplies about 150 families and through its monitoring we have been able to calculate the energy saving at the moment when the use of electric energy will have been rationalised.
- Positioning N° 2 special information panels and N° 200 posters in the target area.
- N° 1 Detection of families to be concerned with the questionnaire and energy consumption.
- N° 1 Information kiosk at Palatenda during the event "Misterbianco in fair" with dissemination of N° 800 brochures upon renewable energy.
- More than N° 50 visits made to families for the survey and for raising the local awareness about the use of renewable energy. During the visits, the interns from the University of Catania drew up and delivered N° 30 special "Certificates of Energy Qualification" and prized the same families with N° 300 energy saving lamps.




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Action C - Interventions towards families

- N° 1 Survey collecting data on household energy consumption of the target area.
- N° 1 Data collection on solar thermal and photovoltaic plants made by individuals and on those systems made by the Municipality in the target area.
- N° 1 Drafting and publication of the survey and data collection edited by the Municipality.
- N° 1 Involvement of Confcommercio (National Confederation of Traders) for the dissemination of the brochure on energy which was distributed to operators in the commercial area of Misterbianco.
- Creation of N° 1 Memorandum of Understanding among PV and solar thermal operators of the territory to ensure competitive prices and quality facilities for families in the area.



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Action D - Interventions for saving energy in public lighting

In the target area it has been made N° 1 specific audit upon quantity, quality and state of using of electric power centres of the public lighting plants through a collection of the electric parameters. Detected supports, refractors and lamps and achieved interventions to change mercury steam lamps with ones working with sodium steam, to insert flow and re-phasing regulators, and proceeding in a second moment to the calculation of the obtained energy and money saving.

Through the current action, it has been demonstrated as the cost of the adequacy intervention is recovered in a timing of three years (action completed in July 2011).



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... It's already tomorrow!

The following projects were presented to the Sicilian Region to obtain financing within the ERDF fund :

- Photovoltaic and solar thermal plants on all municipal facilities;
- Completion of solar thermal and photovoltaic systems on all school facilities;
- Cycling paths;
- Multi-storey car parks to handle a bike sharing system powered by solar plants.

Examples of investment – 1 - 2



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Municipality of Misterbianco

Thanks for your kind attention!

Dr. Sergio CAMPANELLA – Eng. Giuseppe D'ANGELO



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