



penelope • bacchus

Promoting Energy efficiency to Local Organisations
through dissemination Partnerships in Europe
Best Actions for Collaboration in Countries
for a High efficient Use of energy in Structural funds

- [Print](#) - [Close](#) -

Energy Audits in Manor Houses - Ponte de Lima - Portugal

The energy audits performed in selected Manor Houses, allowed to analyse the energy consumption conditions according to the energy sources and final uses

This project contributed with energy rationalisation measures, to improve the comfort without compromising their architectural identity

Target Groups	Sector	Field
<ul style="list-style-type: none"> - Regional authorities - Decision makers - Domestic consumers 	<ul style="list-style-type: none"> - Buildings (including municipal properties) 	<ul style="list-style-type: none"> - RES - Equipment / appliances - Information

ANALYSIS

On October 1999, the Regional Energy and Environment Agency of Lima Valley (AREALIMA) submitted a proposal, called "Energy Audits in Solares de Portugal", to the LEADER II Community Initiative. Approved under this Initiative by the end of that year, this project would be integrated in the general rural development policy for Lima Valley, and particularly as a contribution for the improvement of the rural tourism quality in the region.

The project itself was considered as an important step for the confirmation of AREALIMA's regional rule for the Community Energy objectives established under the SAVE II Programme: the promotion of the rational use of energy (RUE) and the use of renewable energy sources (RES).

The project target was the analysis of energy condition in 20 tourist manor houses in Lima Valley and the identification of RUE and RES opportunities, in each one of them, compatibles with their architecture characteristics. The manor houses in the Lima Valley are, in general, old buildings, most of them from the XVIII and XIX centuries, integrated in rural properties. The main construction characteristics found were: large granite walls; wood structure in the roof and floor; wood windows and door frames; simples windows glass; open fires; lighting mostly with standard lightbulbs.



AREALIMA - Agência Regional de Energia e Ambiente do Vale do Lima



Paço de Calheiros

COST AND BENEFITS

The RUE and RES measures proposed for the 20 manor houses selected were grouped on the following categories:

- Insulation - loft insulation, external wall insulation, draft proofing windows and doors, floor insulation;
- Heating systems - boilers, heating controls, hot water storage, open fires, solar collectors;
- Lighting - energy saving lightbulbs;
- Electric appliances - energy efficient labelling, management practices;
- Electric bill.

The implementation of these measures will contribute significantly to the reinforcement of the hospitality quality that characterise the manor houses, as well as a marketing opportunity for the rural tourism sector regarding the grows environmental awareness of the tourist.

PARTNERSHIP

The partnerships established under the project "Energy Audits in Solares de Portugal" were:

- TURIHAB - Solares de Portugal, the national rural tourism association, that selected the 20 manor houses;
- ADENE - Agência para a Energia, former CCE - Centro de Conservação de Energia, the Portuguese Energy Agency, that performed the analysis of the energy condition in the 20 manor houses;
- AO SOL - Energias Renováveis, Lda, a solar collector manufacture, that performed the technical and economical viability study for the use of solar energy in 6 manor houses.

The conclusions of this project were published in a brochure, called "Energy Efficiency in Manor Houses", presented in a workshop, with the same name, hold in Arcos de Valdevez, on January 2001.

RECOMMENDATIONS

The follow-up of this project is being prepared by AREALIMA for the LEADER + Community Initiative, on which the implementation of the RUE and RES measures will be proposed to all manor houses located in Lima Valley.

TO KNOW MORE

Name organisation [AREALIMA - Agência Regional de Energia e](#)

: [Ambiente do Vale do Lima](#)

Phone number : [+351 258 909340](#)

E-mail : arealima@valima.pt

Website : <http://www.valima.pt/arealima>

USEFUL INFORMATION

List of Publications

[BROCHURE "ENERGY EFFICIENCY IN MANOR HOUSES" / AREALIMA, ADENE and AREALIMA / ALSOL / Portuguese / 2000](#)

THIS CASE HAS BEEN REALISED BY

Organisation : [AREALIMA](#) E-mail : Mr. Jose Oliveira Internet : <http://www.valima.pt/arealima> Published : [11/9/2002](#)

[back to top](#) ▲

Penelope Project Good Practice Database

© Energie-Cités 2001 - 2002 / [Webmaster](#)

