

MARIE TRAINING PROGRAM FOR IMPROVEMENT IN ENERGY EFFICIENCY (EE) OF EXISTING BUILDINGS

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	Refurbishment of a rural existing building
Code:	IT_RE_CO_09

Best Practice Description:

Type:	<input checked="" type="checkbox"/> Action for improvement in the EE	<input type="checkbox"/> Training experience (*)	
Description:	Restructuring of rural building with the following features: - Outer peripheral wall of brick insulated with a cover in panels of rock wool, thick 16 cm - Wooden roof insulated with 22cm of mineral wool panels - Triple glazed windows with low-emissivity - Geothermal system for heating and DHW COP> 4.8 - Heating with underfloor heating system - Forced ventilation with heat recovery - System of constructed wetlands - PV (power 5.65 kWp)		
Location:	San Secondo di Pinerolo (TO)	Country: Italy	
Contact (team):	Studi Erredi		
Type of building:	<input type="checkbox"/> Tertiary	<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Mixed
Property:	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Mixed
Management:	<input type="checkbox"/> Public	<input checked="" type="checkbox"/> Private	<input type="checkbox"/> Mixed
Fields of action:	<input checked="" type="checkbox"/> Construction	<input checked="" type="checkbox"/> Maintenance	<input type="checkbox"/> Use
	<input type="checkbox"/> Energy generation and distribution		<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Replacement or implementation of renewable energies	<i>Which ones?</i>	

Please, evaluate if the following processes take place in the Best Practice that you are describing in this form:

	Yes	No
The data collection has been complete and rigorous	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Communication and awareness processes have been developed to disseminate this practice	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Training actions have been provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Product and services have been improved	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Jobs have been created	<input type="checkbox"/>	<input type="checkbox"/>
Sustainable financial models have been applied	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Agreements or collaboration models have been defined between parties	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Positive impact tested in the following fields (add quantitative data if you have):

ENERGY EFFICIENCY IMPROVEMENT	Epi=15 kWh/mq year >>> A ⁺ Class Gross heated volume 1079.15 mc
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(EE)	<p>Net area 203.52 sq.m. Gross surface dispersant (S) 667.25 sq.m. S / V 0.62 Average value of the coefficient of transmission of opaque surfaces 0.21 W / m² K Heat requirement for heating in the winter 3005.00 5.25 kW heating capacity building</p>
FINANCIAL COVERAGE	<p>The project has benefited from the following incentives: - Public co-financing regional - Tax deduction (national law) for upgrading the energy efficiency; - Energy account for the production of electricity (national law).</p>
EMPLOYABILITY POTENTIAL	
OTHER	<p>The 15% of the costs of the building is due to the energy efficiency improvement interventions applied with a supposed ROI in 6 years</p>
DIFFICULTIES	

Agents involved in this experience:

	Legislation agencies
x	Public promoters
	Private promoters
x	Technical public institutions
x	Technicians of the private sphere (professional associations ...)
x	Builders
	Industrial
	Facility Managers (property managers, cleaning companies ...)
	Energy supply companies
	Users/owners (homeowners association, schools ...)
	Other
GAPS	

(*) RR_BB_FF_NN

RR Country: *CY* (Cyprus), *FR* (France), *GR* (Greece), *IT* (Italy), *MA* (Macedonia), *MT* (Malta), *PO* (Portugal), *SL* (Slovenia), *SP* (Spain)

BB Type of building: *RE* (residential), *TE* (tertiary), *MX* (mixed)

FF Field of action: *CO* (construction), *MA* (maintenance), *US* (use), *EN* (energy generation and distribution), *OT* (other)
(in case of affecting more than one field of action choose the most relevant)

NN Number of the practice: *01, 02, 03...*