

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	CasaClima training course for artisans and small enterprises
Code:	IT_MX_CO_03

Best Practice Description:

Type:	<input type="checkbox"/> Action for improvement in the EE	<input checked="" type="checkbox"/> Training experience (*)	
Description:	The course is built on 2 or 3 training modules (depending on the sector) for a total of 48 hours of training.		
Location:	Regione Friuli Venezia Giulia	Country: Italy	
Contact (team):	APE – Agenzia per l’energia del Friuli Venezia Giulia Via Santa Lucia, 19 – 33013 Gemona del Friuli (UD) www.ape.fvg.it – info@ape.fvg.it		
Type of building:	<input type="checkbox"/> Tertiary	<input type="checkbox"/> Residential	<input checked="" type="checkbox"/> Mixed
Property:	<input type="checkbox"/> Public	<input type="checkbox"/> Private	<input checked="" type="checkbox"/> Mixed
Management:	<input type="checkbox"/> Public	<input type="checkbox"/> Private	<input checked="" 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 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 type="checkbox"/>	<input type="checkbox"/>
Communication and awareness processes have been developed to disseminate this practice	<input type="checkbox"/>	<input type="checkbox"/>
Training actions have been provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Product and services have been improved	<input type="checkbox"/>	<input type="checkbox"/>
Jobs have been created	<input type="checkbox"/>	<input type="checkbox"/>
Sustainable financial models have been applied	<input type="checkbox"/>	<input type="checkbox"/>
Agreements or collaboration models have been defined between parties	<input type="checkbox"/>	<input type="checkbox"/>

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

ENERGY EFFICIENCY IMPROVEMENT (EE)	
FINANCIAL COVERAGE	
EMPLOYABILITY POTENTIAL	

OTHER	
DIFFICULTIES	

Agents involved in this experience:

<input type="checkbox"/>	Legislation agencies
<input type="checkbox"/>	Public promoters
<input type="checkbox"/>	Private promoters
<input type="checkbox"/>	Technical public institutions
<input type="checkbox"/>	Technicians of the private sphere (professional associations ...)
<input checked="" type="checkbox"/>	Builders
<input type="checkbox"/>	Industrial
<input type="checkbox"/>	Facility Managers (property managers, cleaning companies ...)
<input type="checkbox"/>	Energy supply companies
<input type="checkbox"/>	Users/owners (homeowners association, schools ...)
<input checked="" type="checkbox"/>	Other:installers
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...**

(*)IN CASE OF A TRAINING EXPERIENCE:

Course name:	<i>CasaClima training course for artisans and small enterprises</i>
Duration:	<i>48 hours</i>
Web:	<i>www.ape.fvg.it</i>
Director/a:	<i>APE – Agenzia per l’energia del Friuli Venezia Giulia</i>
Who is it aimed:	Artisans, enterprises, and workers in the following areas: - Construction - Layers of thermal insulation (external coating systems) - Installers of windows and main doors - Installers of thermo-hydraulic and electrical plant
Objectives:	Increase the skills necessary to ensure the quality of the works performed in buildings to reach high energy efficiency.
Program:	Topics covered include: - Principles of physics and energy efficiency - Certification CasaClima and regulations related to building construction systems, materials and installation techniques of thermal insulation - Installation techniques of wall thermal insulation (coating systems) - Characteristics and installation of doors and windows - Materials and strategies for the air tightness of the building - Issues with moisture and steam, measurement techniques and testing - Installations in buildings with high efficiency (winter heating and summer conditioning, mechanical ventilation, plumbing systems, electrical systems, power generation from renewable sources, home automation system) - Sizing and equipment installation problems
Methodology:	The academic program includes: - a basic introductory module cross-cutting; - an advanced specific module to address a reference sector; - a training on the job in collaboration with enterprises working in the EE field. The lessons are always more technical-practical than theoretical.

X I agree to bring this experience to the database of the MARIE project, which will create a comprehensive training program for improving the energy efficiency of buildings in the area of the Mediterranean.