MARIE
INFORMATION
AND TRAINING

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

F1 | BEST PRACTICES COLLECTION

Best Practice Name:	ECO.AP
Code:	PO_TE_US_08

Best Practice Description:

Type:	X	Action for improvement in the EE		Training experience (*)

Description:

The ECO.AP program aims to achieve a level of energy efficiency of around 30% by 2020 in the government agencies and departments (direct and indirect), including public companies, universities and public foundations and associations.

The energy efficiency improvement should be achieved without increasing the public budget.

This program will allow the State to reduce the energy bill in the departments and agencies, reduce the emission of greenhouse gases and stimulate the economy through the creation of a legal framework of energy service companies (ESCOs) and public procurement management of energy services, contributing to the achievement of the goals set in the National Program for Energy Efficiency (PNAEE).

ECO.AP is an evolving program that translates on a set of energy efficiency measures for short, medium and long term implementation on services, agencies, and public facilities and aims to change behaviors and promote a rational management of the energy services.

It will proceed with the hiring of ESCOs that will provide energy services and other measures to improve the energy efficiency in the facilities.
The ESCOs assume a certain degree of financial risk, and their remuneration is based, in whole or in part, on the achievement degree of the energy efficiency improvement and the satisfaction of other criteria for energy performance, which may be contractually fixed.
The contract period typically may vary between 6 and 16 years, and the savings are considered based on all the existing energy vectors compared to a base period previously defined. For specific situations, those limits can be adjusted, if necessary.

A minimum of 10% of the contractual savings reverts to the institution, even if the savings are not obtained. Minimum 10% of the annual bill is shared between the ESE and the Institution. If the ESCO shares more than the minimum of 10% of the savings, that fact as a positive valuation in the final evaluation of the different tenders.
The additional energy savings, not contracted, are shared between the parties (75% for the ESE and 25% for the Institution.

In order to achieve the objectives proposed by ECO.AP, the Barometer of Energy Efficiency was created aiming to disseminate and compare the energy performance of the public administration. This Barometer,

	through a mechanism of evaluation and ranking of entities, based on a battery of energy efficiency indicators, promotes competition between public authorities, comparing the energy performance of the public institutions. This barometer encourages energy efficiency, conveying the state as a reference for energy consumption and disseminator of best practices, while providing important data about the entities setting targets for action plans for energy efficiency. During the implementation of ECO.AP each public entity shall appoint a local energy manager (GLE) responsible for supporting the implementation of the Energy Efficiency Program in Public Administration, promoting a constant articulation of the entity with the ESCO. At this moment, were appointed around 500 local energy managers.
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Type of building:	X	Tertiary			Residential			Mixed
Property:	X	Public			Private			Mixed
Management:	X	Public			Private			Mixed
Fields of action:		Construction			Maintenance	X		Use
		Energy generation and distribution				X		Other
		Replacement or implementation of renewable energies						All the fields mentioned above

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	X	
Communication and awareness processes have been developed to disseminate this practice	X	
Training actions have been provided	X	
Product and services have been improved	X	
Jobs have been created	X	
Sustainable financial models have been applied	X	
Agreements or **collaboration models** have been defined between parties	X	

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

ENERGY EFFICIENCY IMPROVEMENT (EE)	This first phase of the program (2012-2015) is expected to cover about 300 buildings with 700 GWh of energy consumed annually and 75 M € of annual energy bill. During this period, the potential savings is around 14 M € per year.

	The program aims to achieve a 30% reduction in energy consumption by 2020, compared with current values.
FINANCIAL COVERAGE	For entities that formalize a management contract with ESCOs, all investments in equipment and solutions for improving the energy efficiency will be provided by the ESCOs. Various incentive systems are being evaluated in order to make this program more operational, although projects should be valid without any incentive.
EMPLOYABILITY POTENTIAL	Alongside the energy savings, this program aims to boost the development of energy services companys, resulting in an increase in recruitment of professionals in this particular area. This goal is already being achieved, as in 2012, it was observed an increasing number of ESCOs, driven by the ECO.AP program.
OTHER	
DIFFICULTIES	Regulatory framework for public contracting imposed the development of a specific framework for performance contracting.

Agents involved in this experience:

X	Legislation agencies
X	Public promoters
X	Private promoters
X	Technical public institutions
X	Technicians of the private sphere (professional associations ...)
	Builders
X	Industrial
	Facility Managers (property managers, cleaning companies ...)
	Energy supply companies
X	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…***