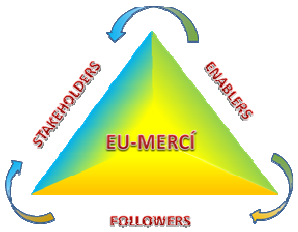


The project EU-MERCI

Reference call: H2020-EE-2015-3-MarketUptake

Topic: EE-09-2015: "*Empowering stakeholders to assist public authorities in the definition and implementation of sustainable energy policies and measures*"

Coordination and Support Action

Reference priority element:

"providing large-scale capacity building or engagement activities to those specific groups playing a key role in the definition and/or implementation of sustainable energy policies and measures initiated by public authorities"

Project Coordinator: Ricerca sul Sistema Energetico - RSE SpA (Italy) – www.rse-web.it

Abstract and Objectives

The overarching objective of EU-MERCI is to grow the energy efficiency in the European industry, by exploiting and expanding the opportunity offered by the Efficiency Obligation Schemes and/or Alternative measures imposed to the Member States (MSs) by the 2012/27/EU Directive and, specifically, by the Art. 7 of the EED: "Energy efficiency obligation schemes".

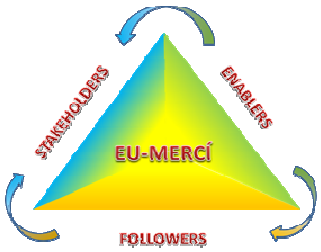
To this extent, EU-MERCI will identify best practices of implementation of energy efficiency projects, drawing from the experience of thousands of real cases of application of Energy Efficiency Schemes (EESs) in Europe. The project will propose exemplary energy efficiency projects, common procedures and shared methods to assess and demonstrate the achieved energy savings and supporting tools to assist industries in effectively putting into practice energy efficiency improvements of the processes and in the technical/economic reporting of the savings, in application of the obligation schemes and/or alternative measures adopted in the respective MS.

EU-MERCI will help industry actors, who want to improve the energy efficiency of a process, to overcome experienced barriers; to maximize the technical and economic benefits; to simplify their burden in the preparation of possibly associated access-to-incentive demands. The goal is to answer questions like:

what are the most effective actions improving the efficiency in a particular process or industry sector? How to specifically implement them? What are the most promising technologies? What is the efficiency improvement attainable with each action? How to measure, monitor and report the savings? What are the associated costs?

EU-MERCI, with recommendation and specific dissemination actions, will also assist policy makers and public authorities in the assessment of the effectiveness and transparency of the mechanisms, giving them also a picture of the technologies and efficiency improvements to incentive.

Lessons learned from countries with consolidated energy efficiency schemes in place will be transferred to countries less advanced.



The outputs of EU-MERCI will be specifically validated for the agrifood industry at a pan-European level.

Finally, it is expected that, as a result of the assistance to industry, the number and effectiveness of energy efficiency improvements will greatly increase, thus contributing to the attainment of the EU

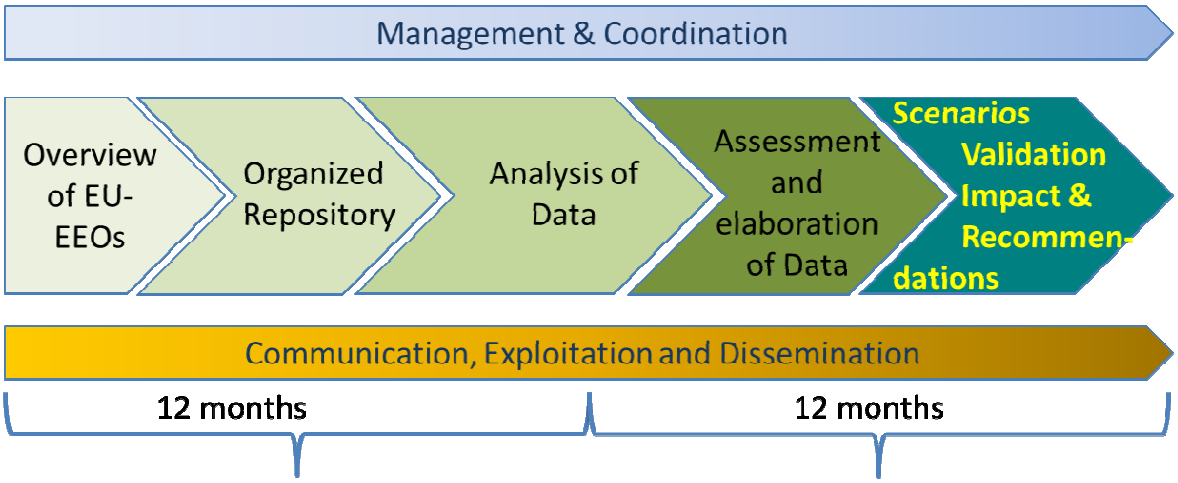
Outcomes

The expected main outcomes of this project will be:

- Selected exemplary cases and best practices that, in a specific industry sector, may lead to the most effective and efficient EE solutions, considering both the technical and economic aspects.
- For selected specific industry sectors, production of methods of evaluation of savings and algorithms, common procedures (e.g. concerning the needed measurements) and working tools (guidelines and fact sheets) allowing a more correct, objective, clear and transparent assessment of the efficiency achieved with the adopted technical solution.
- Recommendations on improvements of the EES towards efficiency, effectiveness and transparency goals.
- Capacity Building initiatives towards the Stakeholders, through transfer of knowledge by means of workshops, dissemination and seminar material.

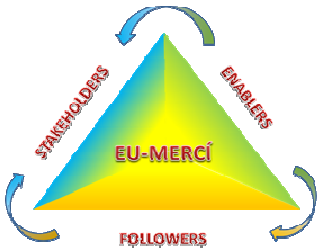
Project Layout

The project is organized around sequential phases, that have an equilibrated role within the two-year development of the project activities.



Chronological phases of the project

In order to develop the sequence of activities shown above, the following work packages are planned:



WP1: Review of EEOs/Alternative Measures in EU

Main objective: to carry out a comparative analysis of EESs (EEOSs and alternative measures) in the various MSs in terms of their functionality and their implementation in the market.

Outcomes: Input to following WPs: description of operative implementation aspects of EEOs and AM in EU; Approaches, barriers, common and complementary aspects.

Collection of the information from country repositories integrated by all information that may come from industry and other sources (e.g. through research, enquiry, questionnaire, etc.). Implementation costs and market impact.

WP2: Implementation of the Data Base/Repository

Main objective: to organise and store the available information in a way that ensures the traceability of the data and simple access to it while providing functionality for further analysis and elaboration.

Outcomes: set-up of a dedicated DataBase/Repository. Main features:

- the protection of the information and of the property rights of the data whenever their use is subjected to legal restrictions.
- the flexibility, i.e. able of receiving information from different and heterogeneous sources.

WP3: Analysis of the information

Main objective: to go deep into the projects documentation, exploring how the requirements of the EED and of the local regulations are transposed in practice.

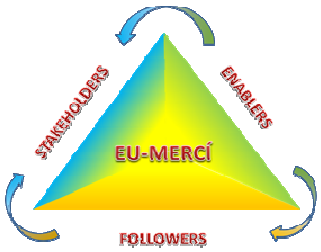
Outcomes: Analysis and extraction of data and information related to energy efficiency projects implemented in the industry. Main questions:

- How obligations and measures are really implemented?
- What technologies or combination of technologies were applied?
- How were the savings measured in practice?
- What algorithms were applied to estimate the efficiency?

WP4: Elaboration and assessment of data

Main objective: To extract, from the data base efficiency-oriented projects, which may constitute reference best practices towards efficiency, effectiveness, profitability, environment-benefit and transparency goals and to propose those solutions in the more standardized way as possible.

Outcomes: Definition of Key performance indicators for the efficiency projects against the above mentioned goals; Classification of the projects according with the proposed KPIs; Selection of best practices; Definition of standardized modalities to assess the performances of the selected best practices; Elaboration of supporting tools enabling design, implementation and reporting of the efficiency improvement.



WP5: Scenarios, validation, impact and recommendations

Main objective: Demonstrating the effectiveness of the EU-MERCI approach towards its ultimate goal: the growth of energy efficiency in industry.

Outcomes: scenarios on the adoption of improved methodologies and procedures; validation of EU-MERCI outputs in the agrifood industry sector; assessment of energy saving and economic impact of the approach against the elaborated scenarios; recommendations for the adoption of the improved methodologies and procedures in industry.

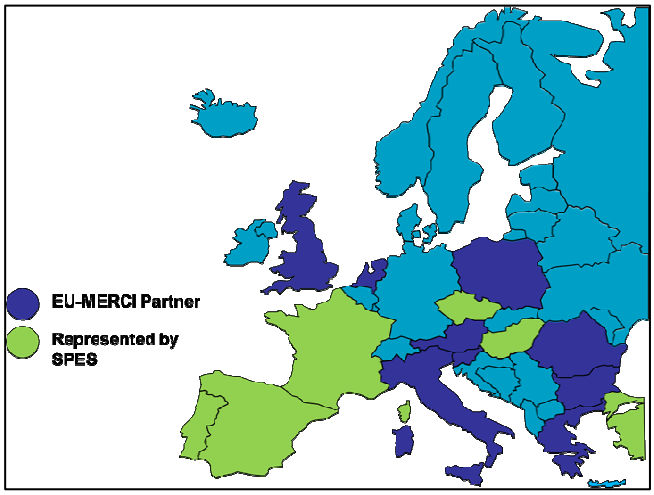
WP6: Communication, Exploitation and Dissemination

Main objective: Ensure the effective communication within the consortium and the interaction with the concerned external environment. Design and implement information actions and capacity building actions (e.g. seminars, workshops) to engage the concerned stakeholders. Ensure the maximum exploitation of the project achievements in terms of validation of the project results by stakeholders and building the capacity of efficiency projects through the active involvement of the Followers in the respective countries. Disseminate the outcomes of the project.

Outcomes: Communication; Exploitation, that includes Engagement of Stakeholders and Capacity Building ; Dissemination.

Consortium

Nr	Participant organisation name	Country
1	Ricerca sul Sistema Energetico - RSE SpA (RSE) (Coordinator)	IT
2	Joint Implementation Network (JIN)	NL
3	Centre for Renewable Energy Sources and Saving (CRES)	GR
4	Krajowa Agencja Poszanowania Energii S.A. (KAPE)	PL
5	Austrian Energy Agency (AEA)	AT
6	Federazione Italiana per l'uso Razionale dell'Energia (FIRE)	IT
7	Carbon Trust (CBT)	UK
8	Black Sea Energy Research Centre (BSERC)	BG
9	Agencija za prestrukturiranje energetike, d.o.o. (APE)	SI
10	Spread European Safety SPES GEIE (SPES)	IT
11	Centre for the Promotion of Clean and Efficient Energy in Romania (ENERO)	RO



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