

REPORTING FORM WITH ANNEXES

Training session reporting form	
Title of the event	EPC model in Spain
Location	Municipal Councils of Huelva Province (11)
Date and duration of the event	May-July 2019
Number of participants	20
Typology of participants (e.g. Local/Regional/National Authority; Development/Energy Agency; ESCO; Financial Institution; Professional Association (buildings, chambers of commerce, business clusters); SME; Other (please specify))	Local Authority (mayors and town councillors) and technicians
Key note speakers	Jesús Carrillo and Ana Díaz
Interactive tools used (simulation tools, web-games, quiz, etc.)	EPC simulation tool developed by STEPPING project
Number of project posters displayed	1 per municipality
Number of project flyers disseminated	5 per municipality
Number of satisfaction questionnaires distributed/received	16
Media representatives	0
List of press releases or articles in newspapers, magazines and on websites – parent institution, STEPPING, Interreg MED Programme. *Scan (pdf) – upload in Gdrive folder; Online links (www) – paste here	



Detailed description of the event (min 2000 characters)

Based on the agenda (lectures, interactive tools, round table discussion, site visits).

By request of the interested municipalities it is decided to hold 11 training sessions aimed at local authority (politicians) and municipal technicians. This format was agreed in order to provide a flexible training adapted to the agenda of the political representatives.

Finally, 9 training sessions have been held in the following dates and municipalities of the Province of Huelva:

- Manzanilla, 2 May 2019
- Paterna del Campo, 3 May 2019
- Puebla de Guzmán, 27 May 2019
- El Almendro, 11 June 2019
- Chucena, 26 June 2019
- Moguer, 28 June 2018
- Zalamea la Real, 3 July 2019
- Gibraleón, 4 July 2019
- Beas, 8 July 2019

The agenda has the same index and context in all the training sessions.

In the first section, an introduction and the preliminary phase of the EPC contract has been addressed. The main content of this module is: analysis of the legislative framework, when an EPC model could be carried out and its benefits, different types of contracts and energetic services and the fundamental steps for the development of this contract model.

In the second section, it is explained what an energetic audit is and its content. The relevance and importance of the audits are explained too, since it is a key element to be able to determine the future savings and the objectives to reach.

The importance of coordination among participating parties (banks, ESCOs and is also reported.



The third section addressed the economic-financial plan and the necessary investment, as well as the different approaches to carry it out and the importance of risk assessment.

The fourth phase of the training analyzes the options of the EPC tender process, the award criteria, contractual clauses and the minimum investments for its profitability.

The "Contract for energy services and maintenance in public buildings of the Public Administration of the IDAE Agency" (Institute for Energy Diversification and Saving under the Ministry of Industry, Commerce and Tourism of the Government of Spain) is delivered and used as an example).

Finally, STEPPING EPC simulation tool is shown, to perform tests and examples by changing consumptions and other variables and observing the results.

General remarks and conclusions (min 2000 characters)

Based on the participants' feedback (minutes + satisfaction questionnaires), e.g. areas or procedures where target groups are lacking of knowledge or practical experiences in adapting EPC; identified obstacles, inhibitors and opportunities that are preventing or enabling the uptake of EPC; regional peculiarities + anything that can be useful as an additional input for the realization of MED EPC Guidelines.

The main conclusions obtained from training sessions, round tables and the satisfaction questionnaires are:

- There is still a significant lack of knowledge of this type of contract by both politicians and municipal technicians.
- The EPC model is mainly associated with public lighting contracts. In this cases, the model is recognized by many people that attend the training sessions, but they did not know how the EPC model works in municipal public buildings.
- There is a generalized consensus among the participants regarding to the previous Spanish Energy Standards, which does not encourage the use of EPC scheme and, in general, the energetic savings. The new standard of April 2019 changes the previous situation noticeably, but almost 100% of the attendans say that they do not know the content of the



new Royal Decree, based on self-consumption, that allows to discharge the surpluses of energy production from solar panels into the general electric net.

- The audience is interested on the energy audit results carried out in public buildings in the framework of the project, and there is interest in the installation of photovoltaic panels in public buildings (this is the star energy saving measure for the case of southern Spain), but not for the holding of an EPC in their buildings. In any case, it should be noted that the aforementioned audits indicated that this type of buildings in southern Spain, and in small municipalities (it is our case) are not intensive enough in the use of energy for the conclusion of a bundled EPC contract.

- The larger municipalities are more receptive to the EPC model, since they usually have technicians with specialized knowledge in the subject.

- It could be said that the general perception is that this kind of contracts is not applicable in municipal buildings of the South of Spain, although it remains doubtful whether it would be implemented in sport facilities with greater activity and, therefore, in the use of energy, since on the hand, do not seem to be sufficiently intensive in the schedule and daily use.

- The lack of public subsidies for buildings refurbishment do not make up for the implementation of the model and its economic profitability.

Annexes – upload in G-Drive folder:

- Agenda (local language): 9 agendas
- Presentations (local language): 4 ppt + simulation tool+EPC model contract
- Photos
- STEPPING Roll up and flyer
- Lists of participants (scanned original): 9 list

