



# BOOSTEE-CE PILOT ACTION PA1-ITALY

**Interreg**   
CENTRAL EUROPE European Union  
European Regional  
Development Fund

**BOOSTEE-CE**

 **Regione Emilia-Romagna**



# ITALY

## PA1. Testing 3DEMS in a dense urban area of Emilia Romagna Region



### Introduction

The **BOOSTEE-CE** (*Boosting Energy Efficiency in Central European Cities through Smart Energy Management*) project will develop and implement technical solutions, strategies, management approaches & financing schemes to achieve higher Energy Efficiency (EE) in public buildings. This will be achieved through a transnational cooperation and using geospatial data, smart energy management tools and energy audit to facilitate the implementation of EE buildings. The final aim is to improve the governance of EE in existing public buildings (within Pilot Actions) and ultimately reduce energy consumption.

### Aims

The pilot action is implemented in 3 buildings. Emilia Romagna region is the owner of the building and will retain ownership and management responsibilities after the project lifetime.

The following objectives have been agreed as part of the pilot:

- creating a universal approach to modeling, visualization and presentation of buildings without dependence on a European region
- easier operation of the buildings
- promoting and disseminating knowledge about energy efficiency measures in buildings

### Solutions

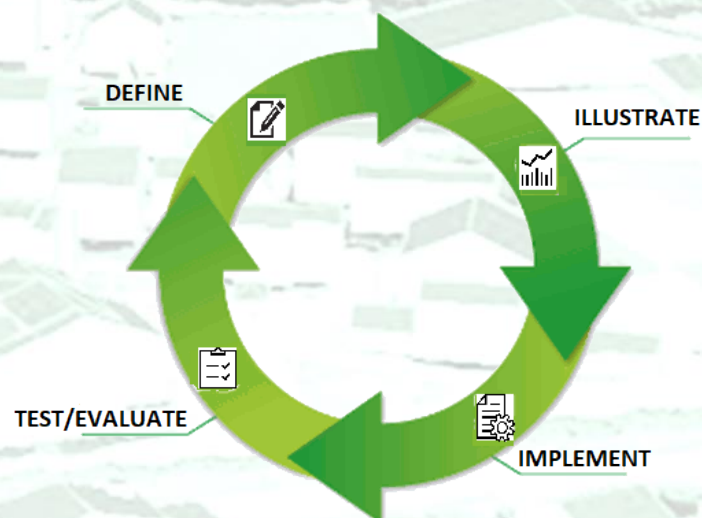
The pilot action includes the use test of the OnePlace platform and its component modules: **3D Energy Management System (EMS)**, **Energy Efficient Cities**, **Living Energy Marketplace** and **Financing Energy Efficiency**. The models of three regional residential buildings were implemented in the 3D EMS module with non-spatial information, such as: type of building, year of construction, type and requirements of the energy carriers and data regarding the reduction in energy needs.





## PA idea (DEFINE -> ILLUSTRATE -> IMPLEMENT -> TEST/EVALUATE)

First you **define** of the set of usable data. The collected data is used to monitor energy flows using the developed tool which **illustrates** the tool's potential and **implements** its operation on pilot buildings. **Testing and evaluation** of the tool involves monitoring energy to provide knowledge about energy flows in the building.



### PA indicators & results

- 10.2018-05.2020 activities period
- 1 tool used - the OnePlace platform
- trainings, meetings, seminars
- improving awareness of the characteristics and state of conservation of public goods and the potential for improving energy efficiency

### Added values for replication and dissemination

The activities can be transferable and replicated in other cases and regions due to the fact that the OnePlace platform can be implemented and find application in any region and in all conditions. Information about the pilot action is promoted and disseminated in the region and beyond.

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Emilia Romagna Region

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## Contact us!

 **Project website:** [www.interreg-central.eu/Content.Node/BOOSTEE-CE.html](http://www.interreg-central.eu/Content.Node/BOOSTEE-CE.html)

 **Project on Facebook:** [www.facebook.com/BOOSTEECE/](http://www.facebook.com/BOOSTEECE/)

**OnePlace**  **Platform OnePlace website:** [oneplace.fbk.eu/](http://oneplace.fbk.eu/)