

# OUTPUT FACT SHEET

## Pilot actions (including investment, if applicable)

Version 2

Project index number and acronym	CE906 BOOSTEE-CE
Lead partner	Bruno Kessler Foundation
Output number and title	O.T3.1 Pilot actions for EE upgrade in public buildings
Investment number and title (if applicable)	
Responsible partner (PP name and number)	European Grouping of Territorial Cooperation NOVUM (PP12)
Project website	<a href="https://www.interreg-central.eu/Content.Node/BOOSTEE-CE.html">https://www.interreg-central.eu/Content.Node/BOOSTEE-CE.html</a>
Delivery date	10.2019

### Summary description of the pilot action (including investment, if applicable) explaining its experimental nature and demonstration character

The pilot action focuses on the use and test the OnePlace platform - the tool which is developed under the project framework. The OnePlace modules 3D Energy Management System (EMS), Energy Efficient Cities, Living Energy Marketplace and Financing Energy Efficiency are tested PL/CZ cross-border cities in particular in Lubawka/PL and Žacléř/CZ. Within the 3D Energy Management System (EMS) module, which is an innovative tool for a better assessment of energy use within a building and sharing energy-related information to citizens and public authorities, the 3D building models were developed and connected with non-spatial information such as: type of the building, year of construction, typology, energy source type (heat), energy consumption (heating), estimated photovoltaic potential of building roofs and etc. The tool allows users to virtual walk-through buildings, select a building of interest and retrieve energy and other cadastral/building information and analyze the solar maps and energy maps (heating loss), visualized as additional building texture. The OnePlace platform is demonstrated among stakeholders from the region, including regional authorities.

### NUTS region(s) concerned by the pilot action (relevant NUTS level)

Czech Republic:  
NUTS 3 - CZ052 Hradec Králové Region  
Poland:  
NUTS 3 - PL515 Jeleniogórski

### Investment costs (EUR), if applicable

### Expected impact and benefits of the pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

- regional authorities have free access to the 3D visualization of their area along with information about the relevant buildings. Beside this they have access to the database of energy experts and devices, which may be useful in implementation further EE investments and gathered best practices that can be an inspiration to better implement EE activities;
- spatial planners receive simple but useful ICT tool which integrates heterogeneous energy-related information and 3D city models with GIS environments;
- energy experts obtain information about buildings that they can use in their work, e.g. when developing energy audits;
- residents can take inspiration and examples from available best practices and learn how to carry out about various types of investments in the field of EE, they also receive free access to a database of experts and energy-saving devices that they can use when planning their own initiatives.

### Sustainability of the pilot action results and transferability to other territories and stakeholders.

The results of Pilot Action 8 can be regarded as sustainable, as their impact on all related stakeholders will definitely last beyond project lifetime. PAs testing gave the opportunity to improve, share and extend local and regional experiences in case of energy efficiency actions and use of the 3D webGIS solutions to better manage and analyse energy data.

The developed OnePlace platform, which is the main core of the presented pilot action, can be easily replicated by other stakeholders and as well transfer to other territories.

### Lessons learned and added value of transnational cooperation of the pilot action implementation (including investment, if applicable)

The lessons learnt in Pilot Action are related to possibilities to convince stakeholders to change behaviour. The (2D) GIS are almost common in public administrations, while the use of 3D city models is still confined and mainly applied to visualization purposes. Spatial and non-spatial energy-related data integrated with 3D city models into GIS environments have been already adopted in some cities, but we are very far away from their widespread utilization and daily use. Although on-going initiatives have demonstrated the potential of geospatial data, 3D city models and webGIS for better planning and management of energy efficient buildings, there is still a gap between a “nice to have” attitude and a “need to have” one.

**Contribution to/ compliance with:**

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

All of the regulatory requirements, sustainable development and horizontal principles were taken into consideration and was not violated.

Both men and women are involved in the project.

The activities implemented in the project equalize the chances of the region in the country by implementing energy efficiency improvement measures and modern tools.

The pilot action has an impact on raising ecological awareness and changing the society's bad energy habits.

**References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links**

**If applicable, additional documentation, pictures or images to be provided as annex**

Deliverables: D.T3.3.1 Pilot actions preparation, D.T3.3.2 Pilot actions guidelines, D.T3.1.9 Testing the project platform (PA8) in PL/CZ cross-border regions, D.T3.2.1 Evaluation report on pilot actions implementation, D.T3.2.2 Pilot action reports, PA8 fact sheet

Web-link: <https://www.interreg-central.eu/Content.Node/PA/PA8.html>