

## DELIVERABLE T3.2.2

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D.T3.2.2 – Pilot action reports

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## D.T3.2.2: Pilot action reports

### A.T3.2 Evaluation of pilot actions for EE improvement

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## 1. Introduction and aims

This document is a description of the pilot action. This determines the results of the activities. The aim of this document is to present the achievements of the implemented measures and their usefulness.

## 2. PA report

This chapter presents in tabular form all interesting information about the pilot action. The table below is the business card of the pilot. It contains attractive information that not only shows the course and achievements of the pilot action but can also be a tip for people interested in similar tools.

<b>Name of the pilot action</b>	Testing the project platform (PA8) in PL/CZ cross-border regions
<b>Type of the pilot action</b>	Non-investment
<b>Location</b>	Municipality of Lubawka, Poland and Město Žacléř, the Czech Republic
<b>Number of the buildings</b>	5
<b>PA goals</b>	<ol style="list-style-type: none"> <li>1. demonstration and evaluation of the OnePlace Platform for planning future EE investments</li> <li>2. easier operation of the buildings by using 3D city models</li> <li>3. promoting and disseminating knowledge about energy efficiency measures in buildings</li> </ol>
<b>Pilot action duration</b>	05.2018-05.2020
<b>Partners involved</b>	EUWT NOVUM
<b>People number involved to implement the PA</b>	3
<b>Description/Details of the PA</b>	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 in Lubawka / Poland and Žacléř / Czech Republic. 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, heating source type, heating consumption, 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.
<b>Type and number of the stakeholders reached</b>	<p>Number of reached target groups in the framework of pilot action:</p> <p><b>General public</b> – 85 (pilot action was presented many times during the other events)</p> <p><b>Local public authority</b> - 10</p> <p><b>Regional public authority</b> - 5</p> <p><b>Sectoral agency</b> - 1</p> <p><b>Higher education and research</b> - 2</p>



<b>Achieved effects/results</b>	<ol style="list-style-type: none"> <li>1. The use of the OnePlace platform allows access to the visualization of the entire area along with information about the buildings, can help in the development of new planning documents, can give inspiration and examples from the best practices available and teach how to carry out various types of investments in the field of EE, as well as allow easy access to expert database and energy-saving devices that you can use when planning your own initiatives.</li> <li>2. Promoting and disseminating knowledge about energy efficiency measures in buildings.</li> <li>3. Improving, sharing and expanding local and regional experiences in case of energy efficiency actions and use of the 3D webGIS solutions to better manage and analyse energy data.</li> <li>4. The possibilities to convince stakeholders to change energy behaviour.</li> </ol>
<b>Satisfaction of users</b>	The users and as well public opinions were very positive on the performed pilot action. The most interesting issue was the elaborated 3DEMS tool because it provides quick access to energy-related information and as well as performed thermal imagines to assess the heating losses in specific public buildings.
<b>Possibility of replication</b>	The results of Pilot Action 8 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. The pilot action will be replicated within the TARGET-CE project on two new cross-border municipalities.
<b>Distinctive feature of the pilot action</b>	The distinctive feature of the pilot action its the use of 3D tools, GIS software and spatial information to encourage public authorities to more widely used GIS tools in order to perform an energy audit in the municipalities in a more efficient way.
<b>Number of promotional meetings – focus group meetings, seminars</b>	5

*Table 1: Pilot action business card*

The summary of pilot action description presented above shows that it has brought many good results and met expectations.

### 3. Conclusions

This study is a summary of the pilot action in PL/CZ cross-border regions. It showed that the OnePlace platform is useful for preparing, conducting and monitoring EE investments as a tool supporting the entire investment process and which can be used anywhere in Europe because it has a universal approach and it can be adapted and operated in all building conditions.

The information contained in this document is based on Output 3.1 and PA8 fact sheet.