

O.T3.2

Pilot actions_PP2 Bydgoszcz

Version 1

Project index number and acronym	CE 496 - CitiEnGov
Lead partner	Sipro Development Agency - Ferrara
Output number and title	O.T3.2 Design and launch of One Stop Shop Energy Service Centre in Bydgoszcz
Responsible partner (PP name and number)	PP2 City Bydgoszcz
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov.html
Delivery date	04.2019

Summary description of the pilot action explaining its experimental nature and demonstration character

The Energy Management Office is located at „aleje Wojska Polskiego 65a” in the suburbs of Bydgoszcz (industrial part of the City without good public transport infrastructure). Because of the current location of the Energy Management Office we strongly believe that it would be very inconvenient and time consuming for citizens to travel such long distances to meet face to face with our energy experts at the office. This is the reason why we came up with the idea of an online service of One Stop Shop platform.

At the beginning we had One Stop Shop service center but we decided to create an online service which will provide useful information for stakeholders regarding energy issues. As it happened from 25.04.2019 the portal is dedicated for the Energy Management Office in Bydgoszcz. It provides all the information about the Energy Unit, its actions, tasks, projects, news, upcoming events etc. Moreover the platform is also providing a list of local utility companies, governmental organizations and energy agencies. The platform has a simple built-in calculator to show energy efficiency of buildings (comparison of different heat sources their price and environmental impact for a standard house) and transport (comparison energy consumption of different means of transport and their environmental impact). Moreover the website has FAQ and advice regarding RES/EE issues. Guests of the platform also have a possibility to contact the Energy Management Office via email in any case. In the future we might consider implementing a real time chat tool. Additionally the One Stop Shop provides information about the upcoming pilot actions with the use of dedicated demonstrative equipment such as thermographic checks, e-bike rides for citizens and municipality as well. For providing a high quality of these services, know-how and best practices will be transferred from other Pilot Action 2 partners.

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

ITH5 Emilia-Romagna
PL6 REGION PÓLNOCNY
AT2 Südösterreich
HR0 Hrvatska
PL1 REGION CENTRALNY
SI0 Slovenija
HU3 Észak és Alföld
DE1 Baden-Württemberg

Expected impact and benefits of the pilot action for the concerned territory and target groups

In Bydgoszcz taking into consideration main group of people on which we have been focus like general public we have reach positive effect.

At the beginning of creation One Stop Shop service canter we wanted to have place of people to visit us and online platform we shown people problems such as, air pollution and opportunities how to change this state of affairs. Measures and Programs regarding energy efficiency and clean energy has been implemented in Bydgoszcz. As result people started to ask more about possibilities to use in households and in transport more environmental friendly fuels.

Raising awareness was actively worked on also with parallel implementation of national Program "Czyste powietrze" (clean air).

In our case awareness-raising measures have huge impact on general public and we are continue with it along with promotion of finance opportunities which are enabling people switch to more environmental friendly solutions at our online platform.

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

All approach strategies National and International are focus on similar programs and initiatives.

As results of pilot action we raise awareness now we are using National and local programs to meet sustainability in our actions toward reducing co2 emission.

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

In most cases to accelerate implantation of pilot actions we would need more financial resources and simpler programs which could allow to perform investments easier in our target group.

Added value of transnational cooperation is in our case we could learned approach to change on example of households form other country.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

Action, opportunities best practice

City of Bydgoszcz: <http://www.energiabydgoszcz.pl>

Deliverable D.T3.3.5. Launch of One Stop Shop Energy Service Centre in Weiz, Bydgoszcz and Grodzisk: RES and EE solutions

Deliverable D.T3.3.7: Launch of One Stop Shop Energy Information Portal in Bydgoszcz and advisory services



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CitiEnGov 

HOME PAGE ABOUT US LEGAL ACTS ABOUT THE PROJECT CONTACT INTERNATIONAL ASPECT 

ECOLOGICAL BYDGOSZCZ AND FRIENDLY FOR YOU

Planned and our activities

ENERGY NEWS
more information >

POLLUTION AIR
more information >

ENERGY
more information >

CALCULATOR ENERGY CONSUMPTION IN HOUSEHOLDS
more information >

ENERGY CONSUMPTION IN TRANSPORT
more information >

Created by MEDWAY © 2019 Urząd Miasta w Bydgoszczy - Wszelkie prawa zastrzeżone

Calculator of household energy consumption

Check how much it costs to install and use different fuels



Type of building



Insulation



Size of the building



Residents



Fuel type



Calculation

Select the type of building

(Heat losses were assumed on the basis of average values based on development projects in a given country)

A++

Zero-energy

5 kWh/m²/year / currently under construction

A+

Passive

12.5 kWh/m²/year / currently under construction

A

Low energy

30 kWh/m²/year / currently under construction

B

Energy-efficient

62.5 kWh/m²/year / currently under construction

C

Medium energy-efficient

90 kWh/m²/year / currently under construction

D

Medium-energy-intensive

125 kWh/m²/year / currently under construction

E

Energy-intensive

200 kWh/m²/year / currently under construction

F

Highly energy-intensive

300 kWh/m²/year / currently under construction



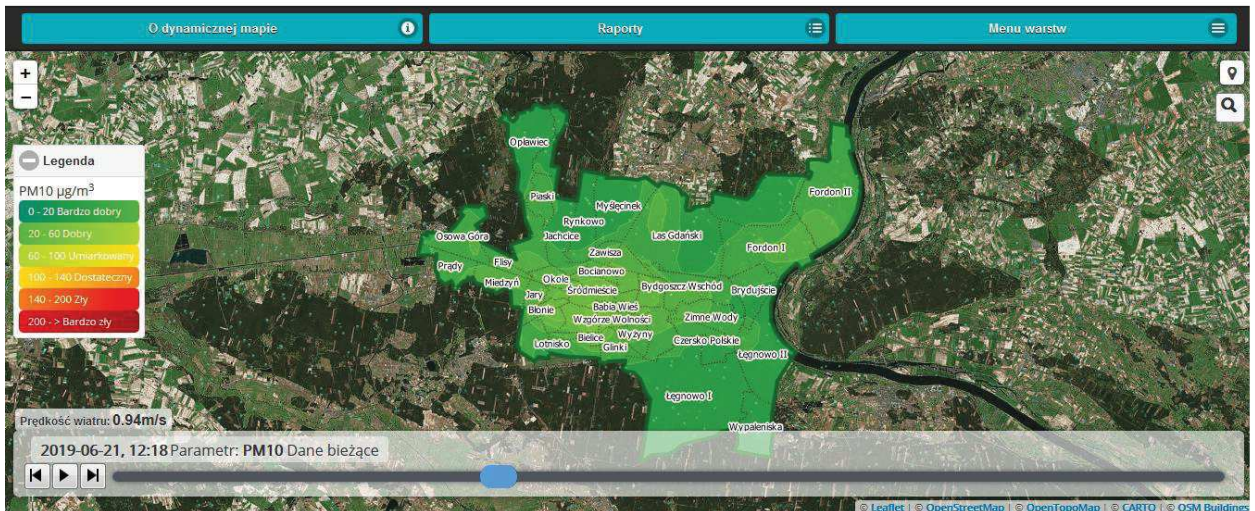
COMMENTS

The above values were averaged on the basis of the classification defined by the Association for Sustainable Development.

Energy class	Energy assessment	Utility energy demand indicator (kWh/m ² *year)	Construction period
A++	Zero-energy	to 10	Currently
A+	Passive	to 15	Currently
A	Low energy	from 15 to 45	Currently
B	Energy-efficient	from 45 to 80	Currently
C	Medium energy-efficient	from 80 to 100	Currently
D	Medium-energy-intensive	from 100 to 150	since 1999
E	Energy-intensive	from 150 to 250	until 1998
F	Highly energy-intensive	more than 250	until 1982

Calculation methodology

Next



Poznaj projekt AIRLY

Airly.eu

Zużycie energii w Europie

Platforma informacyjno – edukacyjna

*Dane przedstawione na mapie zanieczyszczeń nie stanowią źródła o ogłoszeniu alarmu smogowego.

Informacje o dofinansowaniu programów ograniczających zanieczyszczenie powietrza

Edukacja proekologiczna

Zanieczyszczenia powietrza

O.T3.2

Pilot actions - City of Split

Project index number and acronym	CE496 CitiEnGov
Lead partner	SIPRO Development Agency - Ferrara
Output number and title	O.T3.2 description of the Pilot action 3 / Pilot solution for innovative public lighting in Split
Responsible partner (PP name and number)	PP3 - W.E.I.Z.
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov
Delivery date	04.2019

Summary description of the pilot action explaining its experimental nature and demonstration character

The Pilot action is related with an innovative public lighting solution. In Croatia the public lighting systems needs relevant actions in order to be optimized and upgraded. City of Split re-organized the public lighting system starting from a pilot urban neighborhood, chosen among the others as presenting a standard situation, similar to most of the other urban parts of the city, covering an area of about 18.000 sq.m. The Pilot action is represented by thematic equipment which allowed the improvement of the urban public lighting system, a more effective centralized management and collection of real energy data for each lamp (including lamp functioning, failures, electric energy consumption..). It consist of 80 lighting points improved with 82 LED lamps for road lighting and 82 addressable controllers for central management and data collection through GSM signal. It enabled better management and strategic planning for the public lighting, assuring better EE, better comfort and safety in the streets. A baseline was outlined before the pilot to evaluate the results of the pilot action. Outline of a business plan focused on the definition of the payback period to assess the extension of the system to the whole city.

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

Country (NUTS 0): HR, Hrvatska
Region (NUTS 2): HR03, Jadranska Hrvatska
Sub-region (NUTS 3): HR035, Splitsko-dalmatinska županija

Expected impact and benefits of the pilot action for the concerned territory and target groups

The contribution of the Pilot action is related with lowering energy consumption in the public lighting sector in Split and gaining savings in electric energy, decreasing lighting dispersion, allowing better lighting of the pilot area, lowering emission of CO₂. Moreover the Pilot action give us possibility to collect and govern energy data for public lighting and inclusion in the already existing energy GIS system, adding an additional layer of currently lacking information; therefore a more efficient coordination and planning of the local energy policies is secured. The benefit for the City of Split is improvement of local traffic infrastructure security since a more efficient public lighting assures better safety of end-users of the pilot area. End users (citizens) have a safer urban area, better visibility of the roads and crossings. The Pilot action allowed us to test state of the art solution which, adopting the most updated technologies on the market, which could easily be adapted it to the need and requirements of a small to average size town, requiring an energy efficient project envisaging entire renovation of the system and an increase of the lighting quality level. The Pilot action is surely linked with project results dealing with the improvement of PA capacities to define and implement strategies for low carbon energy.

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

Implementing the new public lighting system regarding sustainable procurement within the PA led to huge financial and ecological savings. More efficient structures help to implement this topic in a sustainable way. This kind of concept can be used in other cities or territories as well. Different stakeholders could copy the idea of an ordinance for sustainable procurement and energy savings. Other local governments now have insight in our experience and real example, which is transferable and applicable in other areas as well. Most of PA faces problems linked with a public lighting consumption, an incomplete energy data management, also problems linked with light pollution and malfunctioning of the public lighting system.

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

It is important to implement structures for a better cooperation, for more efficiency and for sufficient awareness rising - also within the PA. International standards and State of the art technology have been relevant to the definition of the future public lighting modernization plan in Split. The ordinance for sustainable procurement has been quite difficult to develop. Therefore international cooperation on this field can be very helpful to implement international standards about sustainable procurement more quickly and to exchange experience on real example results.

References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

Relevant deliverables:

- Deliverables: D.T3.4.1; D.T3.4.2; D.T3.4.3; D.T3.4.4; D.T3.4.5; D.T3.4.6
- Deliverables titles: Baseline scenario of the public lighting in Split; Public procurement procedure-best EE solution for public lighting (equipment purchase); Implementation and personalization of the system (incl. maintenance); System monitoring; Business plan outline; Report on pilot action 3: Green public lighting system in Split
- Description of deliverables: Study for Pilot project area definition with AS-IS situation and modernization plan; Main technical project for Pilot project implementation; Green public lighting system; Study of analysis Green public lighting system

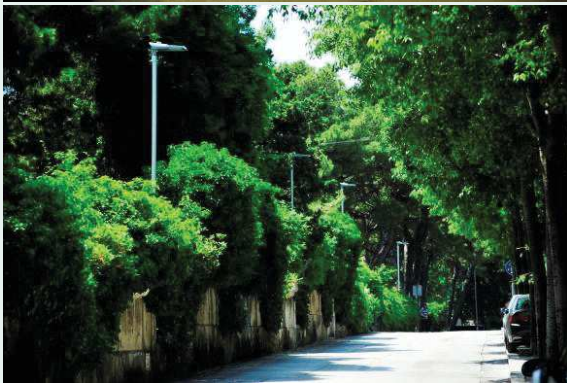
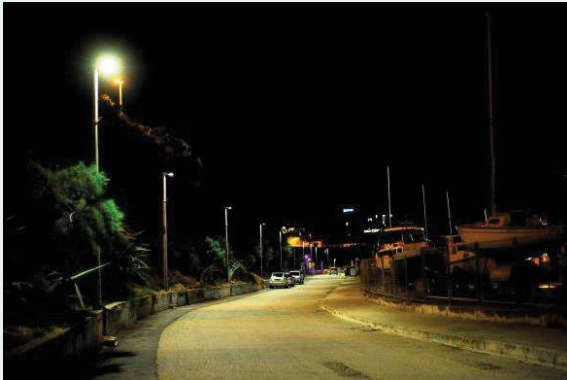
Web-links:

http://toolkit.citiengov.eu/index.php?title=Pilot_projekt_%E2%80%93_Sistem_pametne_zelene_javne_rasvjete_u_Gradu_Splitu
<http://www.split.hr/Default.aspx?art=9995>
<http://www.split.hr/Default.aspx?art=10068>
<https://www.ekovjesnik.hr/clanak/721/grad-split-kroz-eu-projekt-citiengov-postavio-pametnu-javnu-rasvjetu>
<https://www.dalmacijadanas.hr/pametniji-split-nova-rasvjeta-od-bacvica-do-zente-godisnje-ce-ustedjeti-60-tisuca-kuna>
<https://splitskidnevnik.rtl.hr/vijesti/grad/splitske-bacvice-dobile-pametnu-javnu-rasvjetu/>
<https://dalmatinskiportal.hr/vijesti/pametna-javna-rasvjeta-od-sutra-navecer-na-bacvicama/33266>
<https://dalmatinskiportal.hr/energija-i-ekologija/mozda-je-ovo-mali-korak-za-grad-split-kao-instituciju--ali-je-veliki-za-gradane-jer-ulazimo-duboko-u-sferu-smart-cityja/33316>
<http://www.dalmacijanews.hr/clanak/e59l-pametnom-rasvjetom-u-nastavak-razvoja-splita-kao-smart-cityja>
<https://lokalni.vecernji.hr/gradovi/splitske-bacvice-dobile-pametnu-javnu-rasvjetu-9969>
<https://lider.media/aktualno/splitske-bacvice-dobile-pametnu-javnu-rasvjetu-29509>

Deliverables photos:



Pilot action photos:



O.T3.2

Pilot actions_PP5 Grodzisk

Version 1

Project index number and acronym	CE496 CitiEnGov
Lead partner	Sipro Development Agency Ferrara
Output number and title	O.T3.2 Pilot actions for improving local/regional energy performance in 6 countries
Responsible partner (PP name and number)	PP05 Municipality of Grodzisk Mazowiecki
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov.html
Delivery date	04.2019

Summary description of the pilot action explaining its experimental nature and demonstration character

The general concept of the One Stop Shop Energy Centre in Weiz, Bydgoszcz and Grodzisk was to create a single service (real and/or virtual) where all the stakeholders (citizens, public institutions such as schools, libraries, hospitals etc., private companies, local industry etc.) could approach public administration with all energy-related issues. The specific local concept for the One Stop Shop in Grodzisk Mazowiecki consisted in the development of one contact point for all energy-related issues in the Municipality. This contact point was the Energy Unit, which undertook a number of activities, including: (i) walk-in energy counseling service for citizens ("Eco Info Point"), (ii) the organization of Energy Days for the promotion of energy efficiency, (iii) the organization of transnational workshops on energy issues with Project Partner Weiz, (iv) the establishment of a dedicated Energy Awareness Space, where energy-related problems could be easily demonstrated and explained to both adults and children.

The experimental nature of the action consisted in the fact that Grodzisk Mazowiecki, before the pilot action, did not have any energy management unit at all. From that point, within 2 years it established a new unit responsible not only for energy management, but also for public education in terms of energy, which immediately started functioning in an international environment of partners. Thus the case of Grodzisk Mazowiecki demonstrates how a new multi-functional energy unit can be established from scratch in small Municipalities. It has to be underlined that in Poland it is unusual for Municipalities of that size (up to 50.000 residents) to have any energy management units, not to mention units with such scope of competences.

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

PL12A Warszawski-zachodni

Expected impact and benefits of the pilot action for the concerned territory and target groups

The example of Grodzisk Mazowiecki can be used as a model for small Municipalities at least in all Poland how to establish a modern, fully functional energy unit with a wide scope of competences, including not only energy management, but also energy education. It serves as an example how energy can and should be managed in a coherent way, a topic still treated with disregard in many Polish Municipalities. The Energy Unit's activities have gained a wide attention, including such national institutions as the National Fund for Environment Protection or the Polish National Energy Conservation Agency (KAPE).

Grodzisk's model is especially interesting and can have a strong impact on other municipalities, as the Municipality has actually earned money - the establishment costs and salary of the energy manager have been far less than the energy savings he could bring about through his activities. This would be true even without the funding through the Interreg programme (but then, probably, the unit would not have been created).

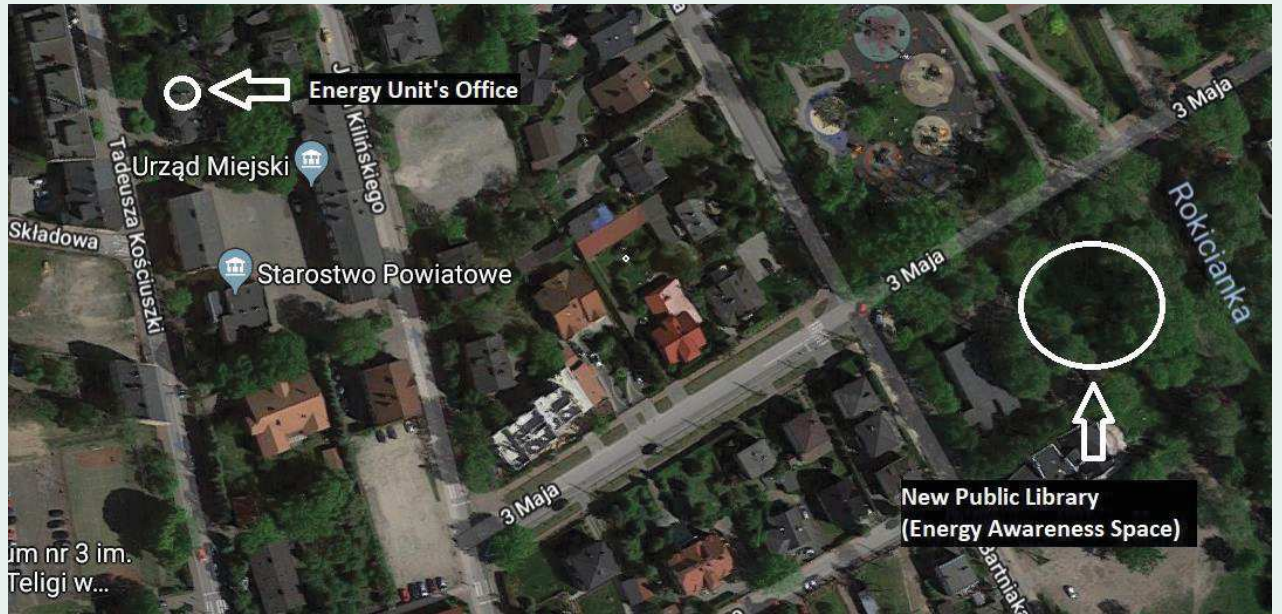
Sustainability of the pilot action results and transferability to other territories and stakeholders

The Unit remains full operational as One Stop Shop after the project closure. The model by which it was created is transferable to other Municipalities in Poland and other CE regions. The model for energy savings that such a unit can bring about is also transferable at least within Poland.

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

- The establishment of a new Energy Unit is an investment for a municipality, with which it can earn money even within a short period, considering the initial costs and the salaries. In Grodzisk's case the energy savings brought about by the activities of the Energy Unit transcended its full operation costs (administration, salaries) after about 2 years of operation.
- the establishment of a wholly new department at a municipality is an activity, in which a lot of attention should also be dedicated to internal communication of the new responsibilities of the unit. We partly focused too much on external communication, which led to misunderstandings regarding our competences within the Municipal structure.
- Energy management is a topic difficult to communicate, as energy cannot be seen as objects. Thus, most of energy management activities in fact consist in calculations and activities which are politically not spectacular and at times it is difficult to gain the political attention needed for some issues. Videos about the activities provide an excellent way of overcoming this problem.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex







O.T3.2

Pilot action 1_PP7 HBMO

Version 1

Project index number and acronym	CitiEnGov CE496
Lead partner	S.I.PRO. Agenzia Provinciale per lo Sviluppo
Output number and title	O.T3.2
Responsible partner (PP name and number)	PP 3, Energy and Innovation Centre of Weiz
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov.html
Delivery date	04.2019.

Summary description of the pilot action explaining its experimental nature and demonstration character

The town concerned in the pilot action is Hajdúböszörmény, where participants were invited to join the “Eco-citizens Program: Domestic behavioral change in energy consumption”. Those families who agreed to support our activity took on the challenge of not only saving energy in their own households but changing their attitude towards energy consumption and carbon emission.

Among participating households there were various kind of inhabitats: houses, flat - and various kind of inhabitants: single, couple, large family with 3 children, pensioners.

At the beginning of pilot period energy audit was carried out at the participants’ household to compare and contrast with the same kind of energy audit repeated several month later. In between the two audits there were Energy Café events held, where the participants had the opportunity to rise their questions regarding energy consumption, energy saving, new technology and many more. Besides the answers to their questions they could also get first hand information on the most up-to-date financial bank-loan constructions supporting energy efficient related upgrading of private buildings, national/EU funded financial support for changing old fashioned household equipment to energy efficient ones, the hottest trends in environmentally and energy friendly building constructions of new houses and smart home systems.

During the discussions the pilot participants mentioned that cautious consumption helps saving energy a lot. It triggered a kind of chain reaction and they paid more attention to their shopping and consumer awareness, selective litter collection.

The pilot action and the energy price reduction program of the Hungarian Government provided the households with considerable saving and their energy, climate and environmental friendly awareness was raised.

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

Hajdú-Bihar County NUTS level is 321, where Hajdúböszörmény HU32105 is situated. The town has app. 30.000 inhabitants, whereas the county has 540.000 inhabitants altogether.

Expected impact and benefits of the pilot action for the concerned territory and target groups

Energy saving, carbon emission reduction and cautious consumption are very important topics today. They are affecting our life day-by-day, we can feel the effect of the climate change continuously. Hajdú-Bihar County informs the settlements about the results of the project on its website and during the General Assembly of the County. At open communication events the pilot action was introduced at several settlements of the county. Hajdúböszörmény, the town participating in the pilot action is a devoted settlement towards environmentally friendly energy consumption and saving. The mayor of the town supported the pilot action along its lifetime and participated at several Energy Cafés. Moreover the town itself implemented several energy related upgradings, like the energy modernization of the Municipal building and the Social Service Center. The pilot action was a great addition to the general attitude of the governing municipality both at local, county and national level.

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

Since the theme of the pilot action absolutely coincides with the goals of the local, county and national government they reinforce each other in achieving their aim. The behavior of the citizens (not only of the participating households) change for the long run in a sustainable way. Those citizens who participated in the pilot action have a first-hand experience in active, conscious implementation of saving actions. They pass on their experience and serve as multipliers and good practice for others to do the same, consequently they support raising the others' attention. The topics of the Energy Cafés and open communication events can be used at further events as well to keep the sustainability of the topic of energy saving, carbon emission reduction and conscious consumption for the long run.

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

National approach towards conscious energy saving, carbon emission reduction and conscious consumption is well backed up if citizens are involved in a project where they actively have to participate in the given theme. Having a first-hand experience support the formulation of personal commitment towards this approach. The commitment contribute to the long-term effect and raised the attention of the wider public as well. The transnational cooperation contributed new ideas of getting people involved and keep their attention effectively and made it easier to compare the results of the behavioural change of the involve citizens. Positive stimulation helped to be result oriented and productive at the same time.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex











O.T3.2

Pilot action 1_PP10 Ludwigsburg

Version 1

Project index number and acronym	CE 496 - CitiEnGov
Lead partner	Sipro Development Agency Ferrara
Output number and title	O.T3.2 Pilot actions
Responsible partner (PP name and number)	PP 3, Energy and Innovation Centre of Weiz
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov.html
Delivery date	04/2019

Summary description of the pilot action explaining its experimental nature and demonstration character

The Pilot Action 1 referred to an output that did not have been conducted in a similar way before. The Eco Citizenship Award attended local citizens on their way to lower their carbon emissions, to save energy and to behave more sustainable. After finalizing the concept and choosing the partners the households could apply. Criteria for selecting the households have been: different family units, some household living in a flat, some household living in house, some households who are tenants, some households who are owners, households with/without children, different ages of the participants. The professionals in charge of the audits had been found by a public tender. The professionals of the three countries where the Pilot Action was conducted had a skype conference in order to form the transnational energy team. Several intermediary meetings which have been evolved for the project took place. Their topics: climate change, correct heating/airing, energy saving, sustainable mobility, sustainable consumption, water saving and waste avoidance. The audits took place: An engineer of the Energy Agency outlined the initial state of art of each of the ten households about their heating and cooling system and their behaviour regarding heating and cooling. As well the initial state of art about their domestic equipment had been analysed. Home-actions to reduce consumption have been discussed. He visited every household in order to motivate them to reduce their consumption by several measures. The schedule of the audits can be re-used. There has been a newspaper article about the audits which gave a great opportunity to demonstrate possible changes to a wider audience. A re-audit has been conducted as a follow up in order to check the improvements of the households after adopting the suggested changes. This was also based on the evidence of the energy bills.

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

DE115 (NUTS level 3)

Expected impact and benefits of the pilot action for the concerned territory and target groups

The very personal approach by having a defined group of people handling with the topic energy consumption over a long time has been a quite new idea and had great positive effects on the public attention for these themes. Several newspaper articles and social media video clips have been produced and are used on several occasions which means that the work of the Energy Unit and the related topics get great attention on a national level. The citizens of Ludwigsburg had role models with whom they could identify themselves. The Eco Citizenship Award had made some great strides in the awareness rising for the topics carbon emissions, energy saving and sustainable behavior. The ten household who participated have made concrete advantage in their every-day behavior. The City of Ludwigsburg could test incentives which are planned to implement. E.g. as a follow-up of the results of Pilot Action 1 and within WP 3 (Adopted Energy Incentive Programme) Ludwigsburg is now working on the implementation of a generalized incentive regarding the possibility of testing e-bikes for inhabitants in order to push the topic sustainable and energy-saving mobility.

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

The Pilot Action raised awareness of the topics carbon emissions, energy saving and sustainable behavior. This will have an effect on the local public over a long time. The periodically released newspaper articles had a great effectiveness. The participants of the Pilot Action will act as multipliers in the future. For this Ludwigsburg will repeat the Eco Citizenship Award in regular intervals. The Pilot Action can be copied in other cities or regions as the project content is clearly defined and the criteria are developed. Besides, the programmes of the intermediary meetings can be reused as schedules for a workshop or a lecture - in Ludwigsburg or in other cities. The relationships to important stakeholders have been strengthened which will have a positive effect on the work of the Energy Unit beyond the project end.

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

If the behavior of citizens shall change in a sustainable way, it is necessary to get the related themes in the mind of the people. Therefore it is good to have a project which is long-terming and regional at the same time. The personal approach by having a group of people which are all citizens of the region in which the project has been implemented was very successful and had great positive effects on the public attention.

The partnership with the local newspaper was very winning.

Incentives like the possibility to hire an e-bike or to get grants for tickets for the public transport have been effective.

The dynamic of a defined group has been productive as they could compare their behavior as well as the effects of the changes they carried out.

The exchange with other partners stimulated a result-oriented manner of planning the project.

References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

Max. 1.000 characters

The relevant deliverables related to this Pilot Action are:

D.T3.2.1, D.T3.2.2, D.T3.2.3, D.T3.2.4, D.T3.2.5, D.T3.2.6, D.T3.2.7, D.T3.5.1, D.C.2.2, D.C.3.2, D.C.3.3, D.C.5.2, D.C.5.3, D.C.5.4, D.C.6.1, D.C.6.2

Web-link: www.ludwigsburg.de/energiehelden



O.T3.2

Pilot action 1_LP Sipro

Version 1

Project index number and acronym	CE 496 - CitiEnGov
Lead partner	Sipro Development Agency Ferrara
Output number and title	O.T3.2 Pilot actions
Responsible partner (PP name and number)	PP 3, Energy and Innovation Centre of Weiz
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov.html
Delivery date	04/2019

Summary description of the pilot action explaining its experimental nature and demonstration character

The pilot action included the following activities:

- definition of a shared approach with the experts selected by the other project partners involved
- performance of energy audits at the homes of 30 families and subsequent monitoring through follow-up audits in the following year
- three training meetings were organized, open to families involved in audits and to all citizens, to illustrate the procedures for performing audits, the results and the possibilities for actions to improve energy efficiency in homes
- support to the promotion of the project and the organization of the awarding of the most virtuous families after the follow-up audits

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

ITH56 Ferrara

Expected impact and benefits of the pilot action for the concerned territory and target groups

The action allows to acquire information on the behavior of families regarding the management of energy consumption, highlighting any structural, plant or behavioral deficiencies and identifying the most appropriate measures for reducing and controlling energy needs: communicating the results to the citizens involved allows us to provide information about changing behavioral habits to reduce energy waste and the possibility of economically sustainable investments in energy efficiency

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

The energy audits were conducted according to the method prescribed by the EN 16247 standards and the results evaluated according to the EN 16231 standard: the method is therefore shared at European level and the results can be used to provide benchmarking values valid for the residential sector and educate the Central European citizens for more efficient use of energy

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

The effectiveness of shared technical standards at European level has been demonstrated both to conduct local activities and to transfer the results to other countries, therefore it is considered appropriate to strengthen their adoption among all the partners involved in the projects

References to relevant deliverables and web-links If applicable, pictures or images to be provided as annex

All deliverables of A.T3.2 - Pilot Action 1 - Eco citizens Programme

Pictures of intermediary meetings and final award (period 2017-2018-2019)







O.T3.2

Pilot actions - City of Weiz

Version 1

Project index number and acronym	CE496 CitiEnGov
Lead partner	SIPRO Development Agency-Ferrara
Output number and title	Output O.T3.2 Pilot actions for improving local/regional Energy performance in 6 Countries
Responsible partner (PP name and number)	PP 3 - Weizer Energie-Innovations-Zentrum GmbH
Project website	https://www.interreg-central.eu/Content.Node/CitiEnGov.html
Delivery date	04/2019

Summary description of the pilot action explaining its experimental nature and demonstration character

One of the project objectives was to implement a local One Stop Shop Energy Service Centre in each of the three cities Bydgoszcz, Grodzisk and Weiz in close cooperation. The overall objective of the implementation was to create a single point of contact in each of the three cities for energy and related issues, whether on-site (Grodzisk and Weiz) or digital (Bydgoszcz).

Important goals in the context of implementation were therefore to involve public and private actors in the process, but also to work on solutions for Energy Efficiency (EE) and Renewable Energy Sources (RES). In Weiz, in order to deal with these issues and to work on a sustainable and environmentally friendly city in the interest of the citizens, five energy units have been installed step by step at three locations distributed throughout the city in recent years. These five energy units, but also a mobile Energy Café in the city of Weiz, have made an important contribution to raising awareness in the city over the years. However, it is often unclear to external parties as well as to the general public who is the contact person for which topic.

The One Stop Shop, as the only point of contact for energy issues, is intended to change these problems and contribute in the long term to reducing energy consumption and CO2 emissions in the city, with the aim to strengthen the five energy units by developing a common energy strategy for the city of Weiz (SECAP) and by promoting the exchange of knowledge and information. The One Stop Shop itself is a place where potential target and interest groups can easily find general and specific information on energy-related topics of all five energy units. Further it aims to strengthen local and transnational cooperation and partnerships. Particular emphasis was placed on the cooperation of the five energy units and the transnational cooperation with the project partners Bydgoszcz and Grodzisk.

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

AT2 Südösterreich
AT22 Steiermark
AT224 Oststeiermark

Expected impact and benefits of the pilot action for the concerned territory and target groups

The permanent OSS combines energy management services (e.g. local data management), demonstration and awareness raising at one centralized location in addition to comprehensive energy consultancies. The following impacts and benefits could be realized through the pilot action and are now centralized at one single place in the city:

- The long-term strengthening of the existing Energy Units (En4PA).
- The One Stop Shop serves as information and submission point, also for the new eco-subsidies.
- The new public-private partnership: KISS Blackout protection (subsidies for energy storage in single-family and multi-family houses)
- Organization of the established Energy City Tours
- Kids and school-students are a special target group when it comes to raising awareness in connection with energy.
- (Training Centre "Gemini House" is to be implemented for the youngest in the future)
- Deepened cooperation and partnerships (local and international (Grodzisk & Bydgoszcz))

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

The results of the pilot action will be used in long-term, to increase the quality of life of citizens and to reduce CO2 emissions and energy consumption in Weiz. As mentioned above, the permanent OSS in Weiz combines comprehensive energy consultancies and other energy management services (e.g. local data management), demonstration and awareness raising at one centralized location. They can also be transferred to other regions easily. Nevertheless, the local implementation of an OSS must be adapted to the local conditions. While this approach was taken into account at the beginning of the project, the OSS in Bydgoszcz (online), Grodzisk and Weiz (both on-site) were adapted to these local conditions and needs. Important components of an OSS in this context, whether online or on-site, are the following:

- General information
- Specific information
- Energy services
- Demonstrative equipment
- Energy showroom (also online)
- Consulting on-demand

Lessons learned from the implementation of the pilot action and added value of transnational cooperation

In the context of the installation of an OSS, it is of central importance to address local needs. It does not make sense to transfer a locally functional concept from one city to another one by one. However, it is important that all energy units are integrated and that all energy units are combined at one location, thus creating a single contact point for all citizens. It is also important to provide best-practice showcases and to inform the population within the framework of energy consultations (How much does a PV system cost, Is it profitable? What about external costs?).

Within the framework of transnational cooperation, it has also been shown that the different partners are at different stages in terms energy units, soft mobility offers, other energy-related topics, but also in terms of digitalization. For this purpose, the study visits within the project were of advantage to learn from each other. The OSS web platform of the partner Ludwigsburg should also be mentioned here.

References to relevant deliverables and web-links
If applicable, pictures or images to be provided as annex

WEB-LINKS:

Online info text as part of the award for the safest municipality in Austria:

<https://kommunal-impuls.at/projekte/nachhaltigkeit-fuer-soziales-klima-umwelt/weiz/weiz-wir-leben-energie>

Website City of Weiz with reference to One-Stop-Shop:

<http://www.weiz.at/umwelt/projekte/citiengov>

Website City of Weiz with reference to One-Stop-Shop opening press conference:

<http://www.weiz.at/aktuelles/detail/alias/oeko-projekte-steigern-die-lebensqualitaet>

Online News in local newspaper to One-Stop-Shop opening press conference:

https://www.meinbezirk.at/weiz/c-lokales/weiz-kaempft-gemeinsam-gegen-den-klimawandel_a3406197

Website W.E.I.Z - PP3 with reference to Opening One-Stop-Shop:

<http://www.innovationszentrum-weiz.at/veranstaltungen-aktuelles/detail/neuer-energieschauraum-im-innovationszentrum-w-e-i-z>

Deliverable D.T3.3.1: Transnational concept for One Stop Shop Energy Service outline

Deliverable D.T3.3.2: One Stop Shop Energy Service Centre in Weiz, Bydgoszcz & Grodzisk. Concept elaboration

Deliverable D.T3.3.4: Launch of One Stop Shop Energy Service Centre in Weiz & Grodzisk: transnational info & training

Deliverable D.T3.3.5: Launch of One Stop Shop Energy Service Centre in Weiz, Bydgoszcz & Grodzisk: RES and EE solutions

Deliverable D.T3.3.8: Report on pilot action 2: One Stop Shop Energy Service Centre in Weiz, Bydgoszcz, Grodzisk

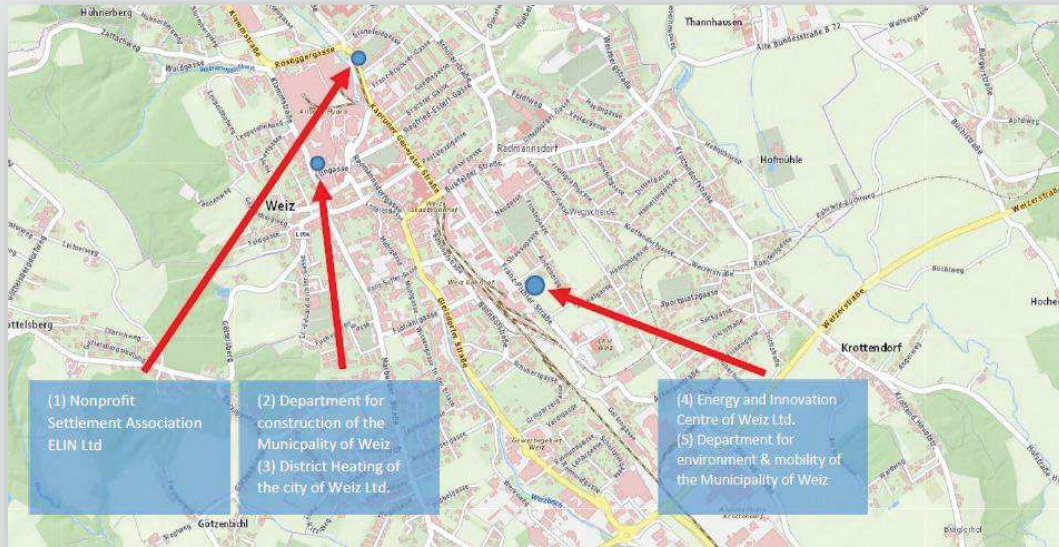


Figure 1. Location of the Energy Units at the city map of Weiz

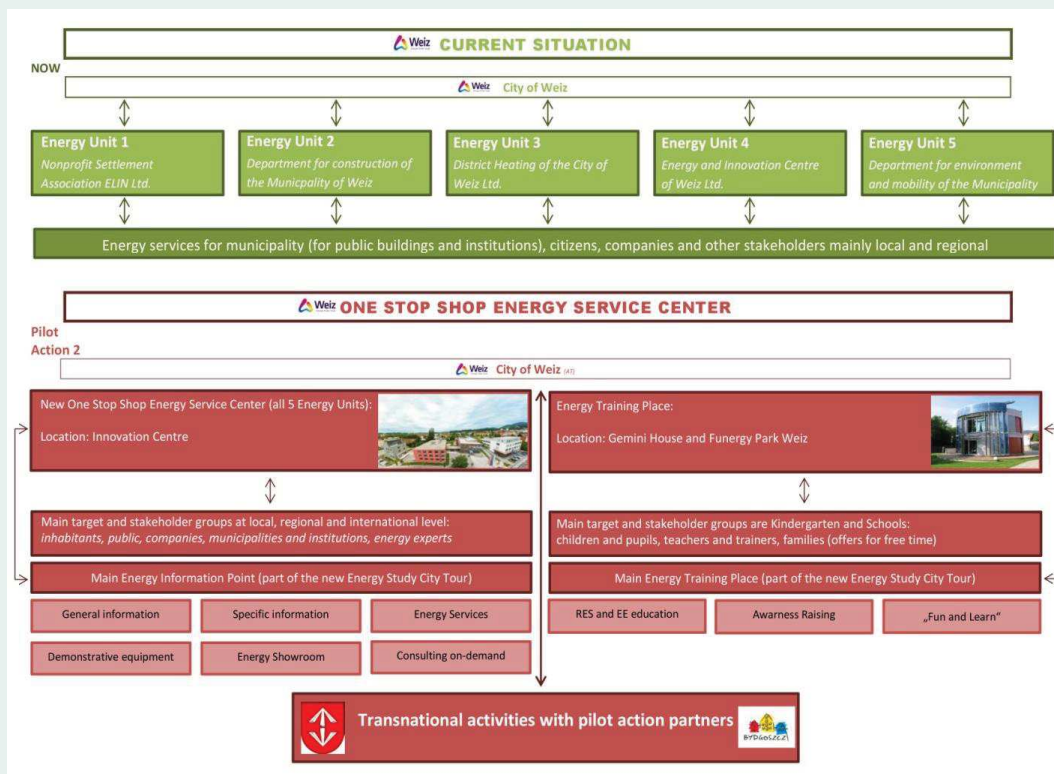


Figure 2. State of the art and implementation plan for Pilot Action 2 in the city of Weiz



Figure 3. Demonstration Equipment & Energys showroom