

# ACTION PLAN



**Alba Iulia Municipality**

September 2018

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## A. Strategic approach

### Background

Energy efficiency is the key and central element of all sustainable energy strategies. There is a growing need to design and implement large-scale energy efficiency projects to reduce fossil fuel consumption, reduce greenhouse gas emissions. Energy performance of Center Region's buildings is very low, placing them among the largest energy consumers.

According to the strategy for mobilizing investment in the renovation fund for residential and commercial buildings (both in public and private sector), existing energy consumption in buildings (housing, tertiary sector, incl. public buildings) represent almost half of total energy consumption. From the total energy consumption for buildings during the 2005-2010 period, an average of 84% is used by residential buildings and about 16% is used by tertiary sector, incl. public buildings. Most of the buildings are built between 1960-1990 and have low thermal insulation, because of the prior lack of regulations on thermal protection elements and perimeter sealing. Consequently, savings potential is significant in buildings, hovering in the range of about 40-50% in public buildings through energy rehabilitation policies promoting deep renovation with innovative technologies and more than 40% for residential buildings.

The consumption of electricity for public lighting is high and it is estimated that the potential for energy saving in public lighting is up to 60% according to national and regional research.

Further data shows that initiatives to generate energy (heat and electricity) from local RES have a much greater impact in reducing dependence on traditional energy sources, as well as improving energy performance in private and public buildings.

At the moment, natural gas is the main energy source and is mainly used for space heating, while electricity consumption is expected to grow especially as the usage of air conditioning in the tertiary sector increases.

In addition to the funds provided through the selected policy instrument there should also be other incentives for the encouragement of EE and the usage of clean energy sources in the private and public sectors by creating the necessary infrastructure and providing different amenities like tax deductions.

### **Main objectives and the expected impacts of AP implementation**

The main objective of the Alba Iulia Municipality through implementing the present Action Plan is to improve the energy efficiency, smart energy management and renewable energy use in public infrastructures.

This main objective could be divided into two specific objectives:

#### Specific Objective 1

Promotion of best practices in the green public buildings and inform and engage the population to participate actively

#### Specific Objective 2

Embed low-carbon into decision-making processes at city/regional level, related to green public buildings

### **LOCARBO Thematic Pillars**

LOCARBO is unique in focusing its activities on bottomup initiatives and mainly because of the approach to handle 3 thematic pillars (services, organizational structures and technological solutions) in a fully integrated way.

- 1) Supplementary services and products offered by authorities
- 2) Innovative cooperation models
- 3) Innovative smart technologies

### **Involved stakeholders and their responsibility in the AP**

The role of the stakeholders in relation to the policy instrument is that they are part of the process of implementation of the measures proposed by the policy instrument and also beneficiaries of the instrument.

The main stakeholders involved are:

- Regional organisation responsible for the policies implementation: “Center Regional Development Agency”
- Local associations and NGOs which aim to contribute to the sustainable development of the city:
- “PAEM ALBA FOUNDATION”
- “Alba Agency for Local Energy ALEA”
- Private architecture/construction companies and firms:
- “Enerom Sebes”
- Architectural Office “STRAJAN”

- Decisionmakers:
- “Agency for Environment Protection”
- Actors involved in the refurbishment process, namely associations or other references working with the municipalities for the refurbishment activities of buildings:
- “Energy Auditorium Body – Alba County”
- Other public institutions:
- “1 Decembrie 1918 University Alba Iulia”
- “Technical University of Cluj Napoca” (Alba Iulia Branch)

### **Beneficiaries targeted by the AP**

It is important to invest from now on for to create a sustainable society for generations future and help speed up the process transformation of the current economy through promotion rational use of resources and reduction emissions of greenhouse gases. The beneficiaries, therefore would be, relevant groups of stakeholders including local groups of citizens, ROP Managing authority, public/private agencies operating on energy and climate change sector. This group of beneficiaries were already involved in LLL meeting during LOCARBO implementation and will continue to be consulted and involved on a permanent basis in order to ensure the success of the Action Plan.

## B. Vision, goals and results

The vision of Alba Iulia Municipality is to improve the energy efficiency, smart energy management and renewable energy use in public infrastructures of Alba Iulia, until 2023

This vision was formulated by the municipality after the consultation of the stakeholders, reflecting the unique desire of everyone, from leading politicians to citizens and all other stakeholders. The vision is compatible also with other strategies formulated by the local authority and other commitments assumed by the city and its representatives, like, for example, the Covenant of Mayors.

The specific objectives of this Action Plan that will be implemented by Alba Iulia Municipality in green buildings area are the following:

### **Specific Objective 1**

#### **Promotion of best practices in the green public buildings and inform and engage the population to participate actively.**

The complex issue of energy efficiency requires government and citizens to work together. From both perspectives, of the government and public there are benefits to engagement: the citizen's participation can ensure that public values are taken into account in the framing of energy-efficiency future measures. It can develop a better understanding of the complex choices that need to be made. It can also create greater ownership for the decisions. All in all, it's not just about what's technologically feasible, it is also important to take into account if a decision is socially (and politically) acceptable. Therefore, citizen involvement can be a powerful means for agreeing and delivering local objectives

### **Specific Objective 2**

#### **Embed low-carbon into decision-making processes at city/regional level, related to green public buildings**

This objective was defined due to the local public administration ambition to subscribe at European trend, but also to answer to the needs of community to protect the local environment.

This two objectives will lead to five important results of the Action Plan implementation as shown in the table below.

Program structure	Description
Strategic objective	To improve the energy efficiency, smart energy management and renewable energy use in public infrastructures of Alba Iulia, until 2023
Specific Objective 1	Promotion of best practices in the green public buildings and inform and engage the population to participate actively
Specific Objective 2	Embed low-carbon into decision-making processes at city/regional level, related to green public buildings
Result 1.1	Exemplary study cases of green public buildings promoted
Result 1.2	“Improving behaviour” Campaigns
Result 2.1	Public buildings refurbished in an energy efficient way
Result 2.2	New ideas for improving POR Axis 3.1
Result 2.3	New Plan for Energy Efficiency Improvement of Alba Iulia Municipality

The implementation of the Action Plan is also based on the proposed transnational Pilot Action that was submitted in the framework of LOCARBO Phase 2 implementation together with Province of Potenza, Mi6, Durham County Council.

The Pilot Action is included in this report.



## C. Implementation procedure

### **Activity 1.1.1 - Publication of exemplary public buildings on periodicals.**

#### **Background**

This initiative arises with the scope of spreading the latest news on lesson learned during the study visits and project meetings.

#### **Description**

Promote dissemination of case studies of sustainable buildings that are demonstrative, in periodicals of the AIM, social media or even external publications. Case studies can be allocated in Alba County or abroad and they must include examples of works already performed and economic data about execution and cost savings achieved with the measures taken.

#### **Players involved**

The main responsible body will be Alba Iulia Municipality but also, some stakeholders that could provide good practices to be disseminated.

#### **Timeframe**

This action is planned to be implemented between September 2018 and May 2019

#### **Costs**

No specially designated funds are needed and if necessary but, if necessary the costs will be supported through the Local Budget.

#### **Funding sources**

Not applicable



## **Activity 1.1.2 - Sharing findings on new sources of fundings for greening the public sector**

### **Background**

It is important to inform the relevant actors about the opportunities related to financing the greening of the existing building stock and how they can be implemented successfully in the context of the national market in Romania.

### **Description**

Greening the public sector theme includes the technical, management and behavioural interventions that improve the resource performance of new and existing buildings during their entire lifecycle; from design and construction to operation, renovation and deconstruction of buildings. Therefore, sharing the findings on new sources for fundings could be a good starting point in rising the percentage of green public buildings.

### **Players involved**

The main responsible body will be Alba Iulia Municipality

### **Timeframe**

This action is planned to be implemented between September 2018 and May 2019

### **Costs**

No specially designated funds are needed and if necessary but, if necessary the costs will be supported through the Local Budget.

### **Funding sources**

Not applicable

## **Activity 1.2.1 - Perform campaigns relating to the green building and outreach projects and activities based on Pilot Action results**

### **Background**

Awareness and education campaigns for building owners and administrators are decisive for the success of renovation programs. It is essential that energy to become an accessible good to all Romanian consumers, and the energy efficiency is a first step in this direction.

### **Description**

Disseminate sustainable building concepts between different sectors of the population activating in public buildings, with special attention to campaigns and training activities to ensure understanding and commitment to these concepts in society. Information campaigns should be actively contributed, which involves, for example, schools, outreach activities as exhibitions in municipalities, schools, etc.

The dissemination of information related to green building and energy efficiency in buildings among youths and children is vital to achieve a population aware and committed to the issue in the future. It is essential that children and young people to understand the concept in its entirety, in such a way they can develop attitudes of interest and involvement, as well as be aware of the importance of active participation in the fight against it. The Pilot Action will provide a support tool for the municipality to communicate the results and benefits of the ESIF projects to the general public

### **Players involved**

This activity will be implemented by the Alba Iulia Municipality in cooperation with schools administrators, other public buildings administrators.

### **Timeframe**

This action is planned to be implemented between January 2019 and December 2019

### **Costs**

No specially designated funds are needed and if necessary but, if necessary the costs will be supported through the Local Budget.

### **Funding sources**

Not applicable

### **Activity 2.1.1 – Energy rehabilitation of public buildings**

#### **Background**

In order to stimulate programs thermal rehabilitation of residential buildings and buildings public sector, it is necessary to increase the degree absorption of European funds.

#### **Description**

The policy instrument (Regional Operational Program -ROP, Priority axes 3: Supporting transition towards a low CO2 emissions economy; Investment priority: 3.1 Supporting energy efficiency, smart energy management and use of energy from renewable sources in public infrastructure, including public buildings and housing) is very relevant for the rehabilitation and modernization of the existent building stock and represents a strong support for the municipality to improve the energy efficiency of the buildings in a modern and sustainable way.

During the implementation of this action, direct effects of ROP financing will be seen in practice, Alba Iulia Municipality will submit funds requests for renovation works to be done.

The renovation works will be supported partially through ERDF funds and the rest, through the local budget funds.

#### **Players involved**

The main responsible body will be Alba Iulia Municipality for the presentation of specific applications to the calls for proposals.

After the approval of the applications, Alba Iulia Municipality will be responsible for preparing the technical project, contracting the construction related experts (construction company, site master, advertising company), supervising the renovation works and reception of work.

#### **Timeframe**

This action is planned to be implemented between September 2018 and August 2020.

### **Funding sources**

The costs will be supported through ERDF Funds through Regional Operational Program (ROP), Priority axes 3: Supporting transition towards a low CO2 emissions economy; Investment priority: 3.1 Supporting energy efficiency, smart energy management and use of energy from renewable sources in public infrastructure, including public buildings and housing.

The renovation works will be supported partially through ERDF funds and the rest, through the local budget funds.

**Activity 2.2.1 - Initiate and transmit to the Regional Development Agency ideas for improving POR Axis 3.1, based on Pilot Action results.**

**Background**

This initiative arises with the scope of spreading the latest news on lesson learned during the study visits and project meetings.

**Description**

Alba Iulia Municipality as a member of the Regional Legislative Council of Center Regional Development Agency (Policy Instrument responsible body), which (1) analyzes and approves the strategy and regional dev. programs, (2) approves regional development projects, (3) approves criteria, priorities, allocation of resources and destinations of the Regional Development Fund and monitors hem, (4) coordinates the coverage of regional policies and objectives may propose amendments that the agency must consider and transmit to the Ministry.

During the campaigns and workshops, ideas for this amendments will be collected. The Pilot Action will provide relevant data to be communicated to the Managing Authority in order to consider new eligible activities to be included in future calls.

**Players involved:**

The main responsible body will be Alba Iulia Municipality but also, relevant actors from the public buildings sector, citizens.

**Timeframe**

This action is planned to be implemented between January 2019 and December 2019.

**Costs**

No specially designated funds are needed and if necessary but, if necessary the costs will be supported through the Local Budget.

**Funding sources**

Not applicable.

### **Activity 2.3.1 - Updating the Plan for Energy Efficiency Improvement of Alba Iulia Municipality and promoting the document to the stakeholders from public institutions**

#### **Background**

This initiative arises with the scope of updating the specific Plan for Energy Efficiency Improvement of Alba Iulia Municipality.

#### **Description**

Within the Local Development Strategy, one of the specific objectives is the policy on energy issues; therefore, the Plan for Energy Efficiency Improvement of Alba Iulia Municipality (PIEE) is an important tool in developing a vision of at least 3-6 years that defines the future evolution of the community, the focus on the entire energy planning process.

Setting goals for at least 3-6 years contributes to increasing the capability of the departments and executive structures under the authority of the City Council of the municipality to manage energy issues and, at the same time, to adopt a flexible, market- to energy consumers in order to ensure the economic development of the municipality and to ensure the proper protection of the environment.

To highlight the need to integrate strategic objectives and measures of the Plan for Energy Efficiency Improvement of Alba Iulia Municipality - PEEIs those set by the Action Plan for Sustainable Energy - SEAP (resulting from the assumption of Alba Iulia commitments in joining the Convention Mayors - the largest European initiative of municipalities engaged in combating the effects of climate change on their own territory. PAED Alba Iulia, approved by Local Council decision in 2011, is already under implementation, in 2015 being made the first monitoring report implementation of PAED, this report notes notable results in the evolution of Alba Iulia Municipality to reduce the impact of energy consumption on the environment.

The Plan for Energy Efficiency Improvement of Alba Iulia Municipality was elaborated in 2015, under Coordination and technical assistance of the Local Energy Agency of Alba – ALEA, one of the Alba Iulia Municipality’s stakeholder under the Locarbo project.

The Pilot Action will provide a support tool for the municipality for the Sustainable Energy Action Plan (PAED) and the Energy Efficiency Improvement Plan (PIEE) updating and implementation according with transnational approach deriving from LOCARBO.

**Players involved:**

Alba Iulia Municipality in cooperation with relevant actors in the sector.

**Timeframe**

This action is planned to be implemented between September 2018 and December 2019.

**Costs**

No specially designated funds are needed and if necessary but, if necessary the costs will be supported through the Local Budget.

**Funding sources**

Not applicable.

A summary of the estimated timing is shown in the table below:

Activities		Estimated Timing
1.1.1	Publication of exemplary public buildings on periodicals..	Sept.2018 – May 2019
1.1.2	Sharing findings on new sources of fundings for greening the public sector	Sept.2018 – May 2019
1.2.1	Perform campaigns relating to the green building and outreach projects and activities based on Pilot Action results	Jan.2019 – Dec. 2019
2.1.1	Energy rehabilitation of public buildings	Sept.2018 – Aug. 2020
2.2.1	Initiate and transmit to the Regional Development Agency ideas for improving POR Axis 3.1	Oct. 2018 – Dec. 2019
2.3.1	Updating the Plan for Energy Efficiency Improvement of Alba Iulia Municipality and promoting the document to the stakeholders from public institutions	Jan.2019 – Dec. 2019



## INPUTS analysis

Activities	Resources	INTERNAL	EXTERNAL
Activity 1.1.1 Publication of exemplary public buildings on periodicals	Financial : No specially designated funds are needed and if necessary- Local Budget	x	
	Human : Alba Iulia Municipality staff	x	
	Environmental : the municipality offices	x	
Activity 1.1.2 Sharing findings on new sources of fundings for greening the public sector	Financial: No specially designated funds are needed.	x	
	Human ; Alba Iulia Municipality staff, Regional Development Agency-Center Regiona staff, ALEA staff	x	x
	Environmental : public spaces, the municipality offices	x	x
Activity 1.2.1 Perform campaigns relating to the green building and outreach projects and activities based on Pilot Action results	Financial : No specially designated funds are needed for campaigns; funds for Pilot Action	x	
	Human: Alba Iulia Municipality staff, Regional Development Agency-Center Region staff, AIEEA staff, University staff	x	x
	Environmental : on-site, the municipality offices	x	x
Activity 2.1.1 Energy rehabilitation of public buildings	Financial : ERDF Funds through Regional Operational Program (ROP), Priority axes 3: Supporting transition towards a low CO2 emissions economy; Investment priority: 3.1 Supporting energy efficiency, smart energy management and use of energy from renewable sources in public infrastructure, including public buildings and housing. The renovation works will be supported partially through ERDF funds and the rest, through the local budget funds.	x	x
	Human: Alba Iulia Municipality staff, construction companies	x	
	Environmental ; on site, the municipality offices	x	

Activity 2.2.1 Initiate and transmit to the Regional Development Agency ideas for improving POR Axis 3.1	Financial : No specially designated funds are needed.	x	
	Human: Alba Iulia Municipality staff, Locarbo stakeholdes	x	x
	Environmental; the municipality offices	x	
Activity 2.3.1 Updating the Plan for Energy Efficiency Improvement of Alba Iulia Municipality and promoting the document to the stakeholders from public institutions	Financial (including Pilot Action)		
	Human: Alba Iulia Municipality staff, relevant actors	x	x
	Environmental ; the municipality offices, relevant actors	x	x

## D. Indicators and sources of verification

According to the Locarbo project, Alba Iulia Municipality has defined a Self Performance Indicator. This was defined as *Policy 7 - Number of public buildings refurbished in an energy efficient way (8)* with the target - 8

For the Action Plan monitoring indicators, the following indicators were considered:

Policy Indicator	Activities	Indicators	Source of verification
Policy 7 Number of public buildings refurbished in an energy efficient way (8)	1.1.1	Number of green public buildings promoted  Number of publication	The municipality official site and social pagesmedia
	1.1.2	Number of articles/posts about sources of fundings	The municipality official site and social pages
	1.2.1	Number of campaigns  Number of participants per sesion	The municipality official site and social pages
	2.1.1	Number of approved projects  Number of public buildings refurbished	Regional Development Agency periodical raports
	2.2.1	Number of papers produced	Regional Development Agency records
	2.3.1	1 Plan for Energy Efficiency Improvement of Alba Iulia Municipality updated	

## E. External conditions assessment

The ambition of the Alba Iulia Municipality is to overcome all obstacles and to successfully implement the proposed Action Plan.

An important step in realizing this ambition is to correctly set out the possible risks and the corresponding measures.

Activities		External conditions	Assumptions
1.1.1	Publication of exemplary public buildings on periodicals.	Lack of interest regarding the proposed theme	Good communication Targeted audience
1.1.2	Sharing findings on new sources of fundings for greening the public sector	Lack of interest regarding the proposed theme	Good communication, exploring alternative channels
1.2.1	Perform campaigns relating to the green building and outreach projects and activities	Low participation from the target groups	Promotion of importance of action Good advertising for the action
2.1.1	Energy rehabilitation of public buildings	Unsuccessful financing applications Public financing delays	Re-apply in the next coming calls Assuming the funds from the Local Budget to cover the period
2.2.1	Initiate and transmit to the Regional Development Agency ideas for improving POR Axis 3.1	Lack of communication Lack of interest for the proposals	Good communication and understanding the common goal
2.3.1	Updating the Plan for Energy Efficiency Improvement of Alba Iulia Municipality and promoting the document to the stakeholders from public institutions	Low municipal funding capacity	Cooperation between relevant actors in the field including the municipality experts

## F. Annexes

# PILOT ACTION

<b>Project Acronym:</b>	LOCARBO
<b>Project Index (PGI):</b>	PGI 01568
<b>Title of the pilot action</b>	Managing innovation in Low Carbon Economy transition: From the Hungarian Virtual Power Plant methodology in the service of GHG emission collection, monitoring and visualisation to local tools for Durham County Council, Potenza Province and Alba Iulia municipality
<b>Policy instrument(s) addressed:</b>	2014 to 2020 ERDF UK Operational Programme – Investment Priority 4: Supporting the shift towards a low carbon economy in all sectors Province of Potenza Territorial Coordination Plan (#weResilient, TCP, 2013) Province of Potenza PI Alba Iulia PI ROP Priority Axis 3, IP 3.1, Operation B - PUBLIC BUILDINGS
<b>Partner(s) concerned</b>	MI6, Durham County Council, Province of Potenza, Alba Iulia Municipality
<b>Country</b>	United Kingdom, Italy, Hungary, Romania
<b>Date of request:</b>	27 <sup>th</sup> September 2018

### Overall pilot action context

**Partners recognise that the EU needs to improve the promotion of its benefits, such as low carbon economic development. We have identified an opportunity to develop this with this pilot action, which proposes an EU wide visualisation tool that presents complex energy data in an accessible format.**

The Hungarian Virtual Power Plant Program (VPPP) collects and visualizes energy savings, and supports, recognizes and awards their contributors. The Program (1) closely links a non-profit scheme and motivational system with for-profit activities and market network building, (2) allows entry for stakeholders at several levels, (3) uses social innovation and gamification methods and (4) has scaled up from 0 to becoming the 7th largest power plant in Hungary in 8 years, also selected by the EU Commission and EASME among the top3 energy efficiency programs in Europe in 2015. For more information, visit: [www.mi6.hu/english](http://www.mi6.hu/english)

The VPPP methodology has been recognised by Interreg Europe as well, highlighting it as a good practice that have been presented at many Interreg events this year (Sofia Experience Fair, Florence Workshop, etc.)

The VPPP is well-known by LOCARBO partners as well and based on several internal discussions, three partners are positive that its methodology – after certain adaptation and localisation – could provide solutions for issues in the local context.

Therefore, it is the mutual intention of three Project Partners of the LOCARBO project to develop and carry out a joint pilot action plan, using available synergies and efficiency of coordination, and relying on the VPPP methodology to address local partner issues. Therefore, partner roles are planned as follows:

- (1) **VPPP and MI6 (PP6)** as the IP and methodology owner Project Partner provides the baseline methodological umbrella, context and support for VPPP adaptation piloting,
- (2) **Durham County Council (PP4)** would expand and this methodology and support to collect and visualise CO2 savings and potentially other benefits coming from ESIF co-funded projects
- (3) **Province of Potenza (PP1)** would use this methodology and support to collect and visualise CO2 savings coming from SECAPs that it is coordinating among its #weResilient strategy
- (4) Alba Iulia Municipality (PP7) would use this methodology and support SECAP design and implementation according with transnational approach deriving from LOCARBO and #weResilient approach.

For simple and transparent coordination, we have defined two work packages (WP1 for Durham and WP2 for Province of Potenza and Alba Iulia) that are complemented by overall project management, knowledge sharing and communication activities. The overall coordination of the Pilot Action rests under the responsibility of the Lead Partner (Province of Potenza) while the technical supervision is on charge of Mi6 . In terms of financing pilot activities, each partner would use its own budget remaining from Phase1 of the LOCARBO project to finance their pilot activities.

Our proposed pilot action embodies what we perceive to be expected from a pilot action. It relies on the close cooperation of project partners, aims at the interregional transfer of previously identified and validated good practice, actively involves the good practice owner, and create added value not only to adapting project partners, but in a wider context, at the European scale as well.

## **Alba Iulia Municipality specific context (WP2)**

To develop innovative services and technical supporting tools for the new covenant of major for the evaluation of the energy savings achieved by the public administrations in the implementation of the Sustainable Energy Action Plan (PAED) and the Energy Efficiency Improvement Plan (PIEE) updating and implementation according with transnational approach deriving from LOCARBO and #weResilient approach. This objective is connected with the role of the Alba Iulia Municipality as a direct beneficiary and developer of the above strategies, in line with the objectives assumed as a signatory of the Covenant of mayors.

### **Nature**

There is a lack of tools supporting EE actions at the Municipality level and also at the national level. During the exchange of good practices in the LOCARBO project we identified the one presented by m6 as a viable tool to be adopted by our Municipality in order to achieve an energy behaviour change in our end users.

This will also support the good implementation of our Action plan, activities, especially Activity 1.2.1 - Perform campaigns relating to the green building and outreach projects and activities, Activity 2.2.1 - Initiate and transmit to the Regional Development Agency ideas for improving POR Axis 3.1, Activity 2.3.1 - Updating the Plan for Energy Efficiency Improvement of Alba Iulia Municipality and promoting the document to the stakeholders from public institutions.

We discussed our pilot action proposal with our Local Living Lab and with our Regional Development Agency.

Regarding this kind of activities, no regional or national funds are available at present in order to reinforce the institutional capacity.

### **Outputs**

Innovative tools connected with the process of the Covenant of Mayors for Energy and Climate implementation in the Alba Iulia Municipality (Municipal Scale) as a tool to integrate Energy Transition and Climate change policies with a structure process of raising awareness at citizens and political level.

The VPP will function as a way to accurately aggregate data from funded programmes in the field of CO2 reduction and in order to encourage end users to increase energy efficiency.

We will benefit from the support and experience of MI6 and LOCARBO project partners in the implementation of the Hungarian Virtual Power Plant's concept in accordance with the objective and context of the current pilot action.



## Beneficiaries

Relevant groups of stakeholders including local groups of citizens, ROP Managing authority, public/private agencies operating on energy and climate change sector. This group of beneficiaries were already involved in LLL meeting during LOCARBO implementation and will continue to be consulted and involved on a permanent basis in order to ensure the success of the Pilot Action.

PHASE 2
<p><b>Semester 1 (i.e. October 2018 – March 2019)</b></p> <p>Transnational Workshop (to be held in Durham (UK), participants: Mi6, Province of Potenza, Alba Iulia and Durham)            Deepening through international workshop details in transferring Mi6 VPPP for specific purposes defined locally by Durham, Province of Potenza and Alba Iulia.</p> <p>WP1            Durham (DCC) will work with MHCLG and ESIF Priority 4 project managers from across the UK to scope out what DCC wants to do, and how it would need to work. DCC will procure an appropriately skilled and experienced contractor to work with them to define and test a workable Virtual Power Station methodology that could be applicable across the UK. The contractor will need to be familiar with UK ERDF processes and have a good appreciation of UK Government departments, regions, and the relationships between them as well as understanding the European Union context. MI6 will be helping Durham and the contractor to establish a baseline knowledge about the Hungarian programme, and will support the entire process.</p> <p>WP2            Local resources analysis (human, knowledge, networks and specific context conditions) of the implementation completing the framework already described in the RAIS.</p>
<p><b>Semester 2 (i.e. April – September 2019)</b></p> <p>WP1            A detailed technical programme will be undertaken by the procured contractor, working in partnership with Durham County Council, MHCLG, and the ESIF Priority 4 project managers from across the UK, as well as MI6 in Hungary, leading to the development and testing of a model, which can be applied across the PA4 programme in the UK. DCC's contractor will also work with European partners to explore the potential application of the Virtual Power station model at the EU level and MI6 will support this process considering and using its IP and expertise.</p> <p>WP2            Preliminary design of Province of Potenza and Alba Iulia SMART TOOLS including guides and methodologies for Municipality in order to connect and integrate SECAPS' options in the framework of territorial policies defined in the TCP (Policy Instrument).</p>

Stakeholders Workshop for bottom-up identification of the needs and criticalities by Municipalities in New COM application.

LOCARBO sharing session:

To be realized within the agenda of Project Meeting (Phase 2)

Partners involved in Pilot Action will report the results and discuss the outcome of Pilot Action Implementation with all LOCARBO Project Partners as a collective knowledge exchange platform.

**Semester 3 (i.e. October 2019 – March 2020)**

WP<sub>1</sub>

The contractor will undertake detailed technical work to consider the potential replicability of the UK model, and how it could potentially be adapted as appropriate to meet EU ESIF programme needs and provide additionality. Their work will **not** involve the actual development and testing of the model. They will merely make recommendations for appropriate EU departments to consider and develop further at a future date, as they deem appropriate.

WP<sub>2</sub>

Operational implementation at local level (Alba Iulia Municipality and the Province of Potenza) and distribution of SMART TOOL and Stakeholders involvement campaign based on the established networks of LLLs ILP and Province of Potenza #WeResilient. Localizing priorities and Typologies of interventions as an integrated catalogue of models and procedure for SECAP design, implementation and monitoring.