



## Action Plan – Province of Potenza

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September 2018

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## Strategic approach

Starting from the “ambitions” to be addressed in the AP, a clear identification of strategic framework for the operation should be defined through the statement of “overall objectives” and main achievement strategies to be implemented. A strategy should identify a homogeneous field of application (i.e. training people; CO2 reduction investments; etc.) aggregating specific objectives, outcomes and effects to which we look at in order to face main troubles.

The strategic reference framework is based on the Structural Territorial Plan (PSP) of the Province of Potenza. It is the Policy Instrument addressed by LOCARBO activities and this Action Plan contributes to define an operative framework to influence PSP implementation.

Other relevant references that define the strategic framework of the Action Plan comes from the RAIS delivered by the Province of Potenza and from the “Quadro di indirizzo strategico per il contrasto ai cambiamenti climatici della Provincia di Potenza e azioni conseguenti” approved by presidential decree n. 76 - 31 luglio 2015.

The strategic framework includes a wide range of general objectives declared in the above-mentioned programming documents and consider the following methodological criteria selected in order to ensure the feasibility of envisaged actions for the second phase of LOCARBO project implementation:

- **integrated approach**  
According with the institutional role and competences of the Province of Potenza the criteria to promote “integration” among proposed activities represents a way to maximise institutional commitment and effectiveness in contributing to achieve low carbon economy targets. In particular the focus of proposed actions is to connect current policies, mainstream programs, investments and soft action to the Policy Instrument implementation: PSP. Such approach looks mainly to the subsidiary connection between the Province of Potenza and Municipalities in Basilicata Region.
- **feasibility**  
The proposed actions have to be feasible in the current institutional framework, considering financial availabilities and resources, the implementation timeframe of LOCARBO Phase 2.
- **effectiveness in Policy Instrument implementation**  
The actions included in the AP define an operational component of PSP implementation oriented to targeted issues and groups. Not the whole PSP implementation will be connected with Locarbo AP but selected

relevant issues are expected to be promoted in an effective framework of action.

The strategic framework of the Action Plan is based on the objectives declared by the Province of Potenza in 2015 that in this document are grouped in systems of actions. The following table represents systems and objectives identified by the Province of Potenza as relevant in the scope of LOCARBO implementation.

<b>Systems of Actions</b>	<b>Strategic objectives</b>
Sustainable energy and climate mitigation and adaptation	– To promote a higher sustainability degree for the urban systems, through plans of integrated management for the urban services, with a special attention to the set of ecologic lifecycles and related issues of CO2 emission reduction and concrete actions for mitigation and adaptation to climate change;
Sustainable energy and climate mitigation and adaptation	– To promote sustainable mobility and transports; especially through the development and implementation of mobility plans, integrated to the urban planning and the health plan, with the greatest possible involvement of the local communities in order to promote more aware lifestyles;
Sustainable energy and climate mitigation and adaptation	– To promote, in the urban systems, the safe use of transport means reducing emissions for the urban mobility, promoting safe house-school and house-work mobility projects;
Natural resources preservation and risk management	– To preserve the conservation of biodiversity, the carbon and water storage, through a sustainable planning;
Integrated territorial planning	– To recognise the rural territory as an integrated system of values and functions: not only agricultural, but also landscape protection, defence of biodiversity and cultural identity; promoting the policy transition from an exclusive “agricultural development” approach to a “rural development” one;
Integrated territorial planning	– To promote the establishment, in urban planning tools, of actions aimed to improve the energy efficiency in the residential, productive and service buildings, starting from the public ones, looking at the European Parliament and Council guideline 2010/31/UE, of the 19 of May 2010, on the energy supply in buildings. In particular, this goal would be pursued through institutional and awareness-rising actions aimed to the implementation of the following ambitions raised from municipalities, citizens groups, local communities and the local actors involved by the Province of Potenza:
Knowledge sharing	To Combine the minimal mandatory energy efficiency standards with incentive measures to achieve the most ambitious goals, by promoting the use of the best technologies to reduce the emissions of the new buildings and forms of compensation for the emissions that we are unable to eliminate;
Integrated territorial planning	To include, in the urban plans, rules which oblige all the new urbanizations to satisfy their own energy needs through renewable resources, including the use of district heating and high energy efficiency solution;
Community empowerment	To promote the awareness-rising, information and training for citizens, economic operators, designers, researchers, illustrators, technicians for local authorities, condominium manager, etc.;
Sustainable energy and climate mitigation and adaptation	To submit to audit and energy certification the building, firstly the public property ones;
Sustainable energy and climate mitigation and adaptation	To encourage the production/distribution of energy from renewable resources, according to the European Union; especially including in the Urbanistic Building Regulation rules that, progressively, oblige all the new buildings and the restructurings to meet their own energy needs through the use of renewable resources;
Sustainable energy and climate mitigation and adaptation	To encourage the realisation of plants, also the small scale ones, for the production of energy from renewable resources (photovoltaic, solar thermal, wind-power, biomass, geothermal,...) which reconcile the impact on the landscape with the need for a production of energy at a local territory scale;
Community empowerment	To implement informative and training actions addressed to the citizens and demonstrative actions for schools;

Community empowerment	– To promote “resilience” as a cultural dimension concerning the adaptation, the mitigation and the fight against climate change. Considering environmental risks as a concrete evidence to be taken into account. On the operational level, main actions regard:
inter-Institutional partnership	The diffusion of “contractual” tools among institutions, bodies and companies that have expertise in the management of the territories aimed to re-establish the frame on attribution of responsibilities and improve the levels of collaboration between them;
inter-Institutional partnership	The promotion of eco-friendly and environmental networks that protect, enhance the value of and interconnect the territory with a particular environmental and landscape value (for example, the suggestion of a Provincial Eco-friendly Network explained in the Provincial Structural Plan);
inter-Institutional partnership	The promotion of policies and interventions to set the hydrogeological order of the territory and the natural requalification of the river areas, for both the prevention of hydraulic risk and landslides, to be achieved, preferably, through naturalistic engineering techniques;
Natural resources preservation and risk management	The promotion of the maintenance spread in the territory, through the diffusion of good cultivation practices, the prevention of the abandonment of countryside, the constant monitoring and the prevention of the disruption problems, of fires of plants and of the desertification, the enhancement of mountainous regions and the increase in the quality of life beyond the traditional urban areas;
Natural resources preservation and risk management	The promotion of interventions to optimise the water consumption, distribution, collection and diversion;
Sustainable energy and climate mitigation and adaptation	The promotion of intervention concerning the climate and the urban environment governance, aimed to improve the quality of life through the planning of urban green, water, waste and spaces for socialisation;
Sustainable energy and climate mitigation and adaptation	The promotion of the reduction of waste production, the consumption of water and non-renewable raw materials, including through the support to the actions aimed to stimulate permanent changes in the daily habits and in the lifestyles in favour of a conscious consumption;
Knowledge sharing	The promotion of the introduction of technical and organizational innovations to reduce the CO2 emissions in the network services supply as the waste collection, the distribution of drinking and irrigation water, the sewage, etc.;
inter-Institutional partnership	The enhancement of the municipalities and territories networks in their action to promote good practices, information circulation, facilitation of the relationships between local territories and global institutional levels;
Knowledge sharing	– To promote the transfers of good practices among virtuous territorial realities in order to balance the environmental sustainability target and the quality of life standards within homogeneous territorial areas;
inter-Institutional partnership	– To build international cooperation projects aimed to exchange experiences among political and technical actors belonging to different European contexts;
Sustainable energy and climate mitigation and adaptation	– Promote the optimisation of systems for the production, distribution and use of energy for big infrastructures (for example: projects of cogeneration plants combined with the heating plants at neighbourhood level, as already currently being experimented in the projects of the Citadels of Knowledges in Melfi and Potenza, etc.) and also for small plants (for example: by favouring the substitution of less efficient heating generators, as currently being experimented in the provincial property buildings);
Sustainable energy and climate mitigation and adaptation	– To define and facilitate programmes for the promotion of the effective energy use;
Knowledge sharing	– To realise cognitive platforms (including the IT and SMART ones) which facilitate the processes of knowledge transfer, awareness-rising and networking of the territorial realities;
Integrated territorial planning	– To provide for the updating of the provincial planning (Transports Plan, Waste Management Plan, etc., connected with energy-environmental aspects);
Sustainable energy and climate mitigation and adaptation	– To define special projects for the widespread use of renewable energy resources and non-climate-altering solutions;

Knowledge sharing	– To carry out the definition of guide lines and technical requirements within the planning tools (implementing technical standards, environmentally sustainable building regulations, etc.) promoting energy efficiency at urban scale (for example: rationalisation of public illumination plants, including plants review and programmed replacement of the lamps, energy certification of the buildings, etc.);
Community empowerment	– To develop information campaigns aimed at increasing awareness towards an optimal and sustainable use of the resources, including the implementation of demonstrative initiatives and projects.

A list of six Systems of Actions emerged. In the next table are defined the thematic connection between such systems and the Thematic pillars of LOCARBO project.

Systems of Actions	TP1	TP2	TP3
Sustainable energy and climate mitigation and adaptation	X	X	X
Natural resources preservation and risk management			X
Integrated territorial planning	X	X	
Knowledge sharing	X	X	
Community empowerment	X	X	
inter-Institutional partnership		X	

In particular TP1, TP2 and TP3 are defined as follow<sup>1</sup>:

1. Supplementary services and products offered by authorities

*Local authorities can play an active role in providing services and products in addressing energy issues that affect their local communities and are often looked to by local businesses and local residents for guidance and support on energy related issues. By identifying the energy products and supplementary services currently being offered by the local authority, and where practicable, making them more widely available, simple interventions and technologies can be introduced that have a great influence in behavioural change that contributes effectively towards a constantly improving ‘energy aware’ community. Dramatic savings can be made from simple internal or consultant lead energy awareness campaigns that can not only reduce energy consumption and cost, but prove significant in encouraging behavioural change in management and staff. The identification of these services can be transferred and implemented into local policies and grouped into cost and manageability sectors by partners in such a way that best fits their organisation.*

2. Innovative cooperation models

<sup>1</sup> Source: LOCARBO report RAIS methodology, An ex- ante clarification



*Penetration of smart technologies and requirements of energy efficiency could be the leading factors when implementing the Policy instruments in particular region. The current state and future trends on smart technologies penetration in the everyday life requires for the new cooperation models in order to empower those technologies in managing energy flows in order to increase energy efficiency.*

*The proactive role of energy consumers is based on the energy awareness of local communities' and the ability to influence the way of policy instruments' implementation to the demand oriented direction.*

*Therefore, the role of local authorities and all the stakeholders of energy sector should be oriented to finding the most appropriate cooperation models, which would be based on sustainability principles: economic, social and environmental ones through the whole value chain of energy supply.*

*Sustainable value chain management is driven by the values of the final consumers. The evaluation of the existent cooperation models and simulation of the future perspectives would be as the connecting component between (TP1) the supplementary services and products offered by authorities and (TP3) Innovative Smart Technologies. Value chain approach helps to integrate the different aspects through the whole supply chain of the energy (from the physical to the information ones) and to identify important values, which could drive the purposeful activities taken by all stakeholders.*

### 3. Innovative smart technologies

*In a general view the concept of "innovative technologies" in the sector of Energy Efficiency concern with a huge variety of technological solutions, equipment, procedures delivered both at hard (i.e. plants and infrastructure) and soft (i.e. software, web, and "smart" application) level of application. Considering the LOCARBO main objective we intend to restrict the scope of TP3 according to an operative criterion oriented to the potential results of such technological applications: LOCARBO is focussed on those "innovative technologies" providing community engagement in achieving EE results in the built environment.*

*So we will not consider, present and discuss the technology of itself but as a driver to enhance citizens' and communities' commitment in EE shared strategy.*

*The LOCARBO focus will be on "perceived benefits", "availability of risk sharing", "trust building process among stakeholders and local actors", "users' empowerment" considered as expected impact deriving from the adoption of technological plants or solutions.*

*Best Practice analysis will be oriented to select cases in which the technological investment started a general process of community involvement where citizens are active actors in the process.*

*The eventual transferability of selected BPs in the Action Plans will include not only the selection of appropriate/effective technological solutions but also the clear description of the actions and procedures to be implemented in order to maximize the effects on local communities and groups.*

*Such perspective appears to be "impacts oriented" more than "technological investments oriented".*

*Concerning SMART implication of technological innovations wide attention will be paid on those experiences in which the integration of web information*

*system with EE project on built environment delivered open access for the citizens/users to energy information according with OPEN DATA and OPEN GOVERNMENT approach.*



## Vision, goals and results

From this complex strategy framework, the operative vision of the Action Plan is oriented to focus on three domains of intervention. The overall objective for each domain are stated as following:

- **Young people in actions**  
To recognize the investments on young generation as a driver of change toward a low carbon future. It includes to support and stimulate innovative processes in schools in order to enhance young students' capacity to understand current issues and policies in EE sector, to provide them up-to-date knowledge and competences, to stimulate innovations and proposals as a creative process of knowledge application.
- **The Province of Potenza network of municipalities**  
To reinforce the institutional dialogue with local municipalities reinforcing the already existing network on thematic issues related to EE and Low carbon local development. The PSP, as a framework development plan, includes objectives and recommendation that has to be included in daily practice of territorial management under the responsibility of each municipality. This is a complex process requiring technical specifications, smart tools and institutional dialogue.
- **Communities for change: the new Covenant of Mayors as a driver for territorial innovation on energy and climate**  
To enhance the role of the Province of Potenza in the new Covenant of Majors in order to deliver knowledge flows towards local communities based on selected GPs (European and worldwide) in order to stimulate effective experimentation of territorial planning combining EE with climate adaptation & mitigation.

The reference framework of Good Practices included in those strategic objectives are:

- **Gaiurb Technical Training and Awareness Sessions (PP3 )**  
Gaiurb in collaboration with external entities organizes technical training and awareness sessions open to the general public (citizens and technicians), related with buildings sustainability and energy performance. The sessions are mainly related with the dissemination of the latest technical solutions for buildings energy rehabilitation, namely actions and incentives to improve the energy performance and buildings sustainability, and the principles and requirements of the latest energy performance concepts –nZEB and Passive House.
- **Durham County Council ‘Big Switch Off’ (PP4 Durham County Council)**  
Durham County Council as part of its Carbon Management Plan identified an opportunity to reduce electricity and gas consumption through an energy saving campaign entitled ‘The Big Switch Off’. With a €14,646,715 annual energy bill, a saving of 5-10% by switching off unused lights and computers and reducing out of hour’s gas consumption could amount to a significant financial saving, as well as reducing DCC’s carbon emissions.
- **SCHOOL CARBON REDUCTION PROGRAMME (PP4 Durham County Council)**  
The programme is coordinated by Durham County Council for all of the schools that buy into their Energy Service Level Agreement. The programme began in 2010 and provided for the first time a coordinated strategic approach to improving energy use and energy efficiency in schools across the County and enables schools to access their energy data through the Systems link online portal. In addition schools receive billing and technical support from the Low Carbon Team based centrally in Durham. Furthermore, they receive in-school support from a team of Education Specialists who provide educational sessions with pupils and teaching staff as well as working with school caretakers and business managers to look at whole school or budget saving opportunities.
- **Virtual Power Plant Programme (PP6 Mi6)**  
The general aim of the program is to: Collect experience and best energy efficiency practices of successful companies; Transform them into transferable knowledge and forward them to Hungarian companies especially SMEs, who lack energy managers internally; Motivate the management of the SMEs to invest time and energy in EE; Award the best companies showing results and use them as a role model for the others; Cooperate with the relevant authorities in order to create a legislation, support and grant framework supporting energy efficiency. The Virtual Power Plan Program is the largest company EE movement in the CEE region. In 2015 they contacted 120.000 SMEs over the phone, and 20,000 via an online questionnaire, interviewed 1500 and visited and conducted EE audit at 300 companies. There are over 2000 additional companies who filled in our proprietary self-survey. There are

150+companies who received their prestigious award on their annual gala ceremony in the Parliament. Their cumulated knowledge about technologies, investment rationalities, motivation factors are unparalleled in the region.

- **Energy Conscious School Programme (Active students –passive house) (PP6 Mi6)**

The general aim of the program is: awareness raising for students in the topic of sustainable development with a focus on energy efficiency; motivate both schools and students to participate; award the most motivated and most engaged schools showing results and use them as a role model for the others and also providing them with energy efficient products The Energy Conscious School Programme aims at providing knowledge transfer to students and schools on sustainability and energy efficiency. The programme aims at student and schools at the same time.

- **County-level Climate Protection Platforms (CCPP)**

The general aim of the program is to:

- Establish county-level platforms with the involvement of local stakeholders(creating a local climate-cautious eco-system)
- Elaborate climate protection action plans (focusing on energy efficiency of local built infrastructure and citizen awareness raising)
- Motivate the management of other stakeholders to invest time and energy in energy efficiency and climate change
- Act as a knowledge-sharing and preparation platform on EU funds opportunities on climate protection and climate change mitigation
- Cooperate with the relevant central authorities in order to create a legislation, support and grant framework supporting energy efficiency.

- **ANERGO –Alba Energy Observatory (PP7 Alba Iulia)**

Alba Energy Observatory -ANERGO was established in the framework of a European project, as a structure within Alba Energy Agency -ALEA. The role of the Energy Observatory is to fulfil the need for aggregate energy consumption data at local and regional level, per sectors for territorial-administrative units.

Municipalities and energy data providers have signed partnership agreements with ANERGO to facilitate the exchange of energy data between municipalities and energy services providers, public transport, and other sectors. The creation of the Observatory was supported by the Intelligent Energy Europe DATA4ACTION project, which provided the necessary financial resources for its establishment and operation. Under the EU-funded DATA4ACTION project, ALEA benefited from the guidance provided by the Rhône-Alpes Regional Energy Agency. ALEA and ANERGO are currently supporting more than 15 Covenant of Mayors

signatories from Romania in the development and implementation of their SEAPs.

On the operative level the implementation of the Actin Plan is also based on the proposal of a transnational Pilot Action that the Province of Potenza, Mi6, Durham County Council and Alba Iulia Municipality submitted in the framework of LOCARBO Phase 2 implementation. The Pilot Action is included in this report.

<b>Young people in actions</b>				
	<b>Objectives</b>		<b>Actions</b>	<b>Results</b>
0.1	To support and stimulate innovative processes in schools in order to enhance young students capacity to understand current issues and policies in EE sector, to provide them up-to-date knowledge and competences, to stimulate innovations and proposals as a creative process of knowledge application.	A1.1	Annual award for students innovations in sustainable vision	To realize an organizational framework promoting school programs and competition among schools in the Province of Potenza for the elaboration of original products concerning “place based” sustainable development perspective and case study.
		A1.2	Province of Potenza Network of RESILIECE and SUSTAINABLE Schools	Permanent network of schools coordinating innovative actions and programs on Territorial Resilience and LOW CARBON Development
		A1.3	Disseminating excellence	Agenda of workshop promoting dissemination of innovative knowledge, GPs, examples etc in the “Province of Potenza Network of RESILIECE Schools” for students and/or teachers

<b>The Province of Potenza network of municipalities</b>				
	<b>Objectives</b>		<b>Actions</b>	<b>Results</b>
02	To reinforce the institutional dialogue with local municipalities strengthening the existing network on thematic issues related to EE and Low carbon local development.	A2.1	Opportunities for territorial investments	To provide information and partnership for the development of territorial investment projects to be financed in the framework of Regional Structural Funds mainstream Programs
		A2.2	Innovative tools and guidelines for municipal territorial management	Technical support by a selection of effective information and supports for the implementation of PSP strategic framework
		A2.3	Thematic territorial investigation	To deliver, in a framework of collaboration with research institute, the most advantage thematic territorial studies for the assessment of ongoing process

<b>Communities for change: the new Covenant of Mayors as a driver for territorial innovation on energy and climate</b>				
	<b>Objectives</b>		<b>Actions</b>	<b>Results</b>
03	To enhance the role of the Province of Potenza in the new Covenant of Majors	A3.1	Coordinating SECAP on territorial level	Municipal SECAPs coordinated in the strategic perspective of PSP (enhancing territorial specializations in projects design and elaboration)
		A3.2	Promoting New COM	Increase of the number of municipalities applying in the framework of the New Covenant of Majors
		A3.3	Technical support for SECAP design and monitoring	Coordinating unit in the Province of Potenza providing technical support for municipalities in SECAP design and implementation
		A3.4	EE and CC efforts internationalization	Dissemination of the most effective practices and achievements from territorial experiences in transnational cooperation programs at EU and worldwide level



On those three domains the Province of Potenza may have an active role of promoter and developer of specific actions. The implementation approach will be based on “partnership” bases (see next paragraph for details) and specific territorial multi-stakeholders partnership will be established for the implementation of specific actions.

<b>Young people in actions</b>			
<b>Objective</b>		<b>Actions</b>	<b>Resources/INPUTS</b>
O.1	A1.1	Annual award for students’ innovations in sustainable vision	<ul style="list-style-type: none"> <li>• Internal Staff.</li> <li>• Capitalization of internal resources also achieved through National and EU direct funding or transnational programs.</li> <li>• LOCARBO Pilot Action financial resources.</li> <li>• Local institutional partnership</li> </ul>
	A1.2	Province of Potenza Network of RESILIECE and SUSTAINABLE Schools	
	A1.3	Disseminating excellence	

<b>The Province of Potenza network of municipalities</b>			
<b>Objective</b>		<b>Actions</b>	<b>Resources/INPUTS</b>
O2	A2.1	Opportunities for territorial investments	<ul style="list-style-type: none"> <li>• Internal Staff.</li> <li>• Capitalization of internal resources also achieved through National and EU direct funding or transnational programs.</li> <li>• LOCARBO Pilot Action financial resources.</li> <li>• Local institutional partnership</li> </ul>
	A2.2	Innovative tools and guidelines for municipal territorial management	
	A2.3	Thematic territorial investigation	

<b>Communities for change: the new Covenant of Mayors as a driver for territorial innovation on energy and climate</b>			
<b>Objective</b>		<b>Actions</b>	<b>Resources/INPUTS</b>
O3	A3.1	Coordinating SECAP on territorial level	<ul style="list-style-type: none"> <li>• Internal Staff.</li> </ul>
	A3.2	Promoting New COM	

	A3.3	Technical support for SECAP design and monitoring	<ul style="list-style-type: none"> <li>• Capitalization of internal resources also achieved through National and EU direct funding or transnational programs.</li> <li>• LOCARBO Pilot Action financial resources.</li> <li>• Local institutional partnership</li> </ul>
	A3.4	EE and CC efforts internationalization	

## Implementation procedure

The implementation procedure represents an overall integrated process in which the Province of Potenza will realize specific contribution oriented to achieve envisaged results but, mainly, it will promote inter-institutional interactions in order to reinforce institutional networks based on a wider partnership involving Public Administrations and Public Agencies, the relevant operators of the Regional Research and innovation System, SMEs and market operators, citizens' groups and NGOs.

<b>Young people in actions</b>					
<b>Objective</b>	<b>Actions</b>	<b>Semester I</b>	<b>Semester II</b>	<b>Semester III</b>	<b>Semester IV</b>
O.1	A1.1		M		M
	A1.2		M		
	A1.3			M	M
<b>The Province of Potenza network of municipalities</b>					
<b>Objective</b>	<b>Actions</b>	<b>Semester I</b>	<b>Semester II</b>	<b>Semester III</b>	<b>Semester IV</b>
O.2	A2.1				
	A2.2				M
	A2.3				M
<b>Communities for change: the new Covenant of Mayors as a driver for territorial innovation on energy and climate</b>					
<b>Objective</b>	<b>Actions</b>	<b>Semester I</b>	<b>Semester II</b>	<b>Semester III</b>	<b>Semester IV</b>
O3	A3.1				
	A3.2				
	A3.3				
	A3.4				

**M:** Milestone connected with the achievement of main results for each action

## Indicators and sources of verification

The monitoring of activities implementation will be based on the following table of indicators connected with the specific domain of intervention:

INTERVENTION DOMAINS	INDICATORS
<ul style="list-style-type: none"> <li><b>Young people in actions</b></li> </ul>	Number of Schools involved in the territorial partnership
	Number of training activities promoted in the schools
	Number of students and teachers involved
<ul style="list-style-type: none"> <li><b>The Province of Potenza network of municipalities</b></li> </ul>	<b>% of stakeholders directly involved in LOCARBO benefitting from SF financing for realizing implementation projects under Province of Potenza Action Plan</b>
	Number of networking activities involving the Province of Potenza network of municipalities on specific issues (knowledge sharing, community empowerment, local-national-transnational partnership etc.)
<ul style="list-style-type: none"> <li><b>Communities for change: the new Covenant of Mayors as a driver for territorial innovation on energy and climate</b></li> </ul>	<b>% of stakeholders (Municipalities and private operators) directly involved in LOCARBO benefitting from SF financing for realizing implementation projects under Province of Potenza Action Plan</b>
	Number of municipalities applying in the framework of New Covenant of Mayors
	Number of SECAP approved

In the table we highlighted those indicators that represents also a LOCARBO Project “Self-defined performance indicators” which represents a compulsory target to be achieved (ref. section C.6.2 of the approved Application Form).

## External conditions assessment

In this section the external condition assessment is synthetically represented per each actions.

The analysis is based on the direct experience by the province of Potenza in interinstitutional dialogue management and the level of awareness of territorial system in the specific intervention domain.

The following table describes the main external factors to be controlled in order to facilitate the implementation of the whole Action Plan ensuring efficacy and effectiveness for envisaged results.

<b>Young people in actions</b>			
<b>Objective</b>	<b>Actions</b>		<b>External conditions</b>
O.1	A1.1	Annual award for students innovations in sustainable vision	<b>Coherence between political will and AP' priorities in medium long term</b>  <b>Motivation of institutional stakeholders (schools, municipalities and territorial agencies) to participate in Province of Potenza networks.</b>
	A1.2	Province of Potenza Network of RESILIECE and SUSTAINABLE Schools	
	A1.3	Disseminating excellence	
<b>The Province of Potenza network of municipalities</b>			
<b>Objective</b>	<b>Actions</b>		<b>External conditions</b>
O.2	A2.1	Opportunities for territorial investments	<b>Coherence between political will and AP' priorities in medium long term</b>  <b>Motivation of institutional stakeholders (schools, municipalities and territorial agencies) to participate in Province of Potenza networks.</b>
	A2.2	Innovative tools and guidelines for municipal territorial management	
	A2.3	Thematic territorial investigation	
<b>Communities for change: the new Covenant of Mayors as a driver for territorial innovation on energy and climate</b>			
<b>Objective</b>	<b>Actions</b>		<b>External conditions</b>
O3	A3.1	Coordinating SECAP on territorial level	<b>Coherence between political will and AP' priorities in medium long term</b>  <b>Motivation of institutional stakeholders (schools, municipalities</b>
	A3.2	Promoting New COM	

	A3.3	Technical support for SECAP design and monitoring	<b>and territorial agencies) to participate in Province of Potenza networks.</b>
	A3.4	EE and CC efforts internationalization	

## ANNEX: PILOT ACTION

<b>Project Acronym:</b>	LOCARBO
<b>Project Index (PGI):</b>	PGI 01568
<b>Title of the pilot action</b>	<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>
<b>Policy instrument(s) addressed:</b>	<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</b>
<b>Partner(s) concerned</b>	<b>MI6, Durham County Council, Province of Potenza, Alba Iulia Municipality</b>
<b>Country</b>	<b>United Kingdom, Italy, Hungary, Romania</b>
<b>Date of request:</b>	<b>27<sup>th</sup> September 2018</b>

### 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.

### **Province of Potenza 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 SECAP.

Such objective is strictly connected with the role of the Province of Potenza as territorial Coordinator of the Covenant of Mayors for Energy and Climate.

### *Nature*

As a result of LOCARBO interaction with local stakeholders a common critical barrier to push a local and regional effective process of transition toward low carbon economy is connected with the technical capacity of local administrations (especially the level of municipal ones) to support the promotion of innovation in daily practices. Such remark refers to normative and procedural level but also to the lack of tools supporting EE actions at local level. On this second point no regional or national funds are available at present in order to reinforce the institutional capacity. Therefore, the Action Plan and the Pilot Action (specifically) intend to cover this lack through the concrete process of capitalization of experiences learned at international level through LOCARBO.

Especially Virtual Power Plant Program (VPPP) was identified as an effective tool to be customized toward local needs and specification in the Province of Potenza. The basis of Mi6 and Province of Potenza collaboration is based also to the common effort in transferring and promoting the GP #WERESILIENT by the Province of Potenza in order to combine operation solution in Low Carbon innovation and political and citizens commitment towards global shared objectives on territorial resilience.

*Outputs*

Innovative tools connected with the process of the Covenant of Mayors for Energy and Climate implementation in the Province of Potenza as a tool to integrate Energy Transition and Climate change policies with a structure process of raising awareness at citizens and political level.

*Beneficiaries*

Local Municipalities, thematic public/private agencies operating on energy and climate change sector, relevant groups of stakeholders including local groups of citizens already engage in #WeResilient network.

This group of beneficiaries were involved in LLL meeting during LOCARBO implementation and will be included in a permanent territorial network in order to ensure a robust approach for Pilot Action

*Planned activities*

Please describe precisely the different activities to be implemented for the pilot action during each semester of phase 2.

PHASE 2
<b>Semester 1 (i.e. October 2018 – March 2019)</b>
<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 will work with MHCLG and ESIF Priority 4 project managers from across the UK to scope out what we want to do, and how it would need to work. We will procure an appropriately skilled and experienced contractor to work with us 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>
<b>Semester 2 (i.e. April – September 2019)</b>

#### 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. Our 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.

#### 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).

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)**

#### WP1

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.

#### WP2

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.

## Partnership

Partner name:	Country:	Role in the pilot:
MI6	HU	MI6 will support Durham and Potenza and their external contractors through using its IP, establishing a baseline understanding of the VPP in the team and supporting the localisation of the relevant aspects of the Hungarian methodology to the pilot objective and UK context. MI6 plans to acquire additional on-field information concerning #WERESILIENT GP by the Province of Potenza and its potential in promoting New COM innovation, and also experience and practice from Durham.
Durham	UK	Durham will lead the WP1 of the pilot activity. This will involve organising the work, procuring and overseeing the required tenders, liaising with MHCLG and coordinating ESIF PA4b partners, and collating and reporting pilot project findings within WP1. Durham will host the transnational workshop .
Potenza	I	Potenza will lead the whole Pilot Action as Project Lead Partner. Potenza will lead the thematic implementation of WP2 of the pilot activity. This will involve organising the work, procuring and overseeing the required tenders, liaising with and coordinating partners and stakeholders, and collating and reporting pilot project findings within WP2.
Alba Iulia	RO	Alba Iulia will be actively involved on WP2 implementation according with specific local needs deriving from the focus on the Municipal Scale. This will involve organising the work, procuring and overseeing the required tenders, liaising with and coordinating partners and stakeholders, and collating and reporting pilot project findings within WP2.