



PROJECT

PRO-ENERGY

D5.6.5 Follow-up plan for the sustainability of project results

Work Package:	5 Pilot Actions & Sustainability
Work Package Leader:	Region of Epirus - Regional Unit of Thesprotia
Deliverable:	D5.5 Follow-up plan for the sustainability of project results

Version:	V.01	Date:	29/10/2022
Type:	Guidelines		
Availability:	Project Level		
Responsible Partner:	Region of Epirus - Regional Unit of Thesprotia		
Editor:	Roalb Studio shpk 		



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SECTION 1 Project Overview

1.1 General Information

PRO-ENERGY is a transnational cooperation project, co-financed by the Cooperation Programme “Interreg V-B Balkan Mediterranean 2014-2020”, under Priority Axis 2, Specific Objective 2.2 Sustainable Territories. The project aims at promoting Energy Efficiency in public buildings in the Balkan Mediterranean territory and to create a practical framework of modelling and implementing energy investments interventions, through specific ICT monitoring and control systems, as well as through energy performance contracting (EPC). The specific objective of PRO-ENERGY is to reduce **by more than 20%** the energy spending in public buildings of the participating entities in one year after the implementation of pilot actions.

The common challenge of PRO-ENERGY is to improve energy efficiency of public buildings (municipal/provincial/regional buildings, schools, universities, health centres, hospitals, museums, sports facilities etc.). This is a common problem faced by the territories participating in the project characterized by old facilities, outdated/degraded building façades, materials & equipment (insulation, electrical appliances, cooling/heating systems etc.), low energy consciousness & awareness, lack of skilled civil servants, etc. all leading to high energy consumption & CO2 emissions.

In this direction, **WP5 (Pilot Actions & Sustainability)** includes the implementation of pilot actions designed & specified in the Joint Strategy (WP3) & the drafting of a follow-up plan for sustainability of results (pilot actions, trainings) & its consultation with stakeholders.

Sustainability will be addressed in the **Follow-up Plan for the sustainability of project results** which will be drafted in WP5. It will outline the strategy for ensuring durability/sustainability of outputs/results in institutional/financial/political terms after the project end & propose specific actions with timetable, milestones, funding sources & indicators for monitoring the implementation.

SECTION 2	Description of the PRO-ENERGY project - current achievements

2.1 Introduction

The PRO-ENERGY project was launched as a very ambitious intervention aimed at improving energy efficiency of public buildings (municipal/provincial/regional buildings, schools, universities, health centers, hospitals, museums, sports facilities etc.).

At the same time, the project is focused to create a practical framework of modelling & implementing energy investment interventions through specific ICT monitoring & control systems.

The project kicked off in February 2019 and is expected to last until July 2022. The project partners are:

- [Region of Epirus - Regional Unit of Thesprotia - Greece](#)
- [Development Agency of Evia SA - Greece](#)
- [Cyprus Energy Agency - Cyprus](#)
- [Department of Electrical and Mechanical Services - Ministry of Transport, Communications and Works - Cyprus](#)
- [Regional Development Agency with Business Support Centre for Small and Medium-sized Enterprises - Bulgaria](#)
- [National Agency of Natural Resources - Albania](#)

Region of Epirus - Regional Unit of Thesprotia
Development Agency of Evia SA
Cyprus Energy Agency
Department of Electrical and Mechanical Services – Ministry of Transport, Communications and Works
Regional Development Agency with Business Support Centre for Small and Medium-sized Enterprises

National Agency of Natural Resources

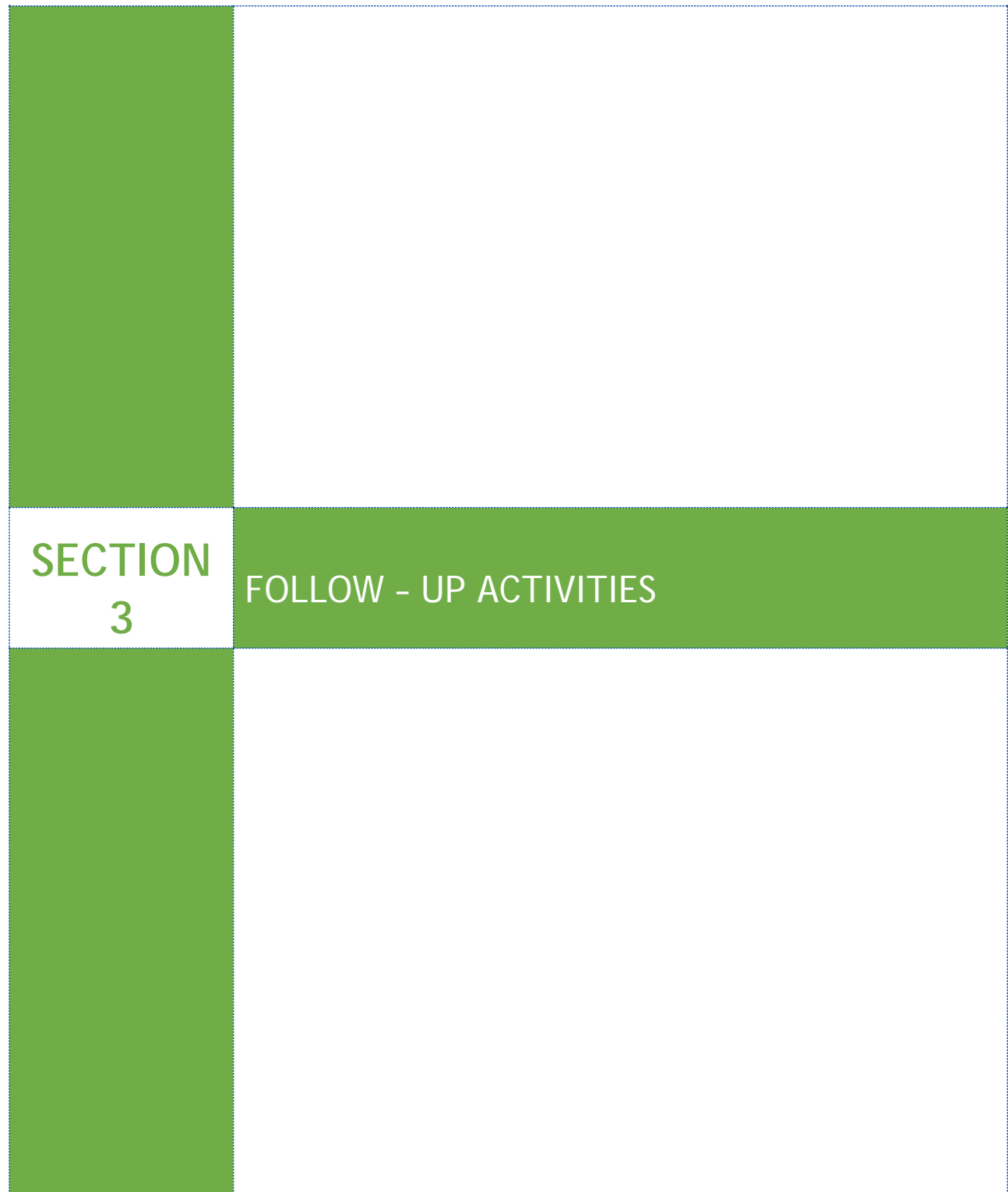
2.2. Overview of the Objectives

Project Objectives					
To promote Energy Efficiency in public buildings in the Balkan Mediterranean territory& to create a practical framework of modelling& implementing energy investment interventions, through specific ICT monitoring& control systems, as well as through energy performance contracting (EPC)					
Specific Objectives					
To reduce by more than 20% the energy spending in public buildings of the participating entities in one year after the implementation of pilot actions					
Programme Outputs Indicators & Project Main Outputs					
1 open-source Joint ICT Platform guiding energy consumers behaviour to energy saving actions contributing to the achievement of 20% reduced energy spending in public buildings & to increased energy efficiency	1 Joint Strategy & Action Plan contributing to developing effective energy efficiency policies & measures & to defining pilot actions for the reduction of energy spending in public buildings	1 Joint Cost-Benefit Analysis Modeller (open to all) supporting decision-making for retrofits, renovations etc. which lead to increased energy efficiency.	1 Framework for energy-related interventions in public buildings which includes the implementation of Energy Audits in selected public buildings enabling through smart sensor systems the recording of energy consumption	15 Training sessions (seminars, study visits, eLearning etc.) on energy-related topics (energy management process, monitoring, targeting, energy auditing, regulations & standards, development of energy projects, financial tools & techniques with emphasis	1 Benchmarking Tool for the benchmarking of participating authorities regarding energy performance & the promotion of energy efficiency & savings in public buildings.

				on energy performance contracting etc.) contributing to increased capacities of energy managers & other stakeholders leading to medium-term & long-term energy efficiency.	
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Operational Objectives (connected with the respective Work Packages)	
WP1: PM & Coordination	WP1 aims to ensure timely & proper implementation of project activities & coordination of all partners, & includes project management & reporting activities, project meetings (also kick-off), evaluation & monitoring performance activities (indicators & mid-term evaluation), quality assurance (manual & procedures) & participation to program events.
WP2: Communication & Dissemination	WP2 aims to disseminate & diffuse project results, to involve stakeholders in project activities & to ensure replicability & multiplier effects of the project; it includes the drafting of the Communication Plan (definition of stakeholders strategy, messages, channels, action plan, assessment), the implementation of the Action Plan (project identity, website, social media, brochures, events, eNewsletters, videos), monitoring of action's plan implementation, & the design of the PRO-ENERGY roadmap for replicability of results/multiplier effects & the roadmap's consultation with local/regional/national/European stakeholders.
WP3: Joint Regional Analysis, Strategy & Framework	WP3 aims at formulating a Joint Strategy & Action Plan for the whole Balkan Med area regarding energy efficiency through behavioural change based on the analysis of the existing situation regarding energy efficiency in participating territories incorporating mapping of policies, initiatives & interventions & the selection of good practices & benchmarking of participating authorities, at building know-how which will be used in trainings of WP4 & at establishing the framework for the pilot actions of WP5 through the establishment of joint criteria for selecting pilot public buildings, the identification/selection of pilot buildings from all territories & the implementation of energy audits (smart metering) in these buildings.
WP4: Capacity Building for Energy Managers	WP4 capitalizes on knowledge & results of WP3 & includes the identification/selection of trainees (energy managers), the assessment of their training needs, the design & development of training curricula on topics such as energy management process, monitoring, targeting, energy auditing, solution development, regulations & standards, development & management of energy projects, financial tools & techniques with emphasis on energy performance

	contracting etc., the organisation of training sessions (eLearning, study visits, seminars etc.) as well as the evaluation of training sessions
WP5: Pilot Actions & Sustainability	WP5 includes the implementation of pilot actions designed & specified in the Joint Strategy (WP3) & the drafting of a follow-up plan for sustainability of results (pilot actions, trainings) & its consultation with stakeholders.



**SECTION
3**

FOLLOW - UP ACTIVITIES

3.1. General Overview

This part will give an overview of the key points of the future strategic plan that the partnership has prepared for the sustainability of the PRO-ENERGY project, in an attempt to capitalize the acquired knowledge and experience and to formulate the best follow-up strategy for the project. The Follow-Up Activities formulated by the partnership have been based on a common, simple methodology: initially, the mission and goals of each of the partners as regards PRO-ENERGY in general and the specific Output (i.e., the strategic plan, the platform etc.) developed are analyzed. Then, a specific activity that builds on the Output is proposed with a short description. The Activity is then supported by listing the Actions Required in order to implement the Activity and by listing the Required Resources.

Finally, for each activity a short Opportunities & Challenges matrix is created, along with an initial timeframe for implementation.

Once all partners have submitted their Sustainability Plans, the LP - Region of Epirus will create a united consolidated Plan.

Note: Towards the fruitful and most purposeful completion of the Sustainability Plans, every partner is instructed to conduct their own alongside a careful consultation with their respective stakeholders (Annex I) and include the feedback received inside their Sustainability Plans. The main purpose behind this action, is that consultation with stakeholders within all participating areas shall help gain insights & ensure commitment & consensus.

3.2. Sustainability Plan for the “Joint ICT Platform”

Output: Joint ICT Platform	
Institutional Mission & Goals	<p><i>[Describe how your institution's mission and goal fits/can be related with the Output]</i></p> <p>The National Agency of Natural Resources (AKBN) supports all EU Directive, all EU countries are required to use energy more efficiently at all stages of the energy chain, from production to final consumption.</p>
Proposed / Planned Sustainability Activities	<p><i>[Describe briefly how you plan to sustain the Output]</i></p> <p>Plan sustainability activities thought the ICT platform can play a leading role in transforming the our energy market, by transforming it into amore decentralized, renewable-based, interconnected and variable system that maximizes efficiency and ensures that all resources are used in an optimal way.</p>
Actions Required	<p><i>[Describe briefly any steps required to implement the proposed/ planned sustainability activities]</i></p> <p>An MoU between the National Agency of Natural Resources and a selected Operator for the platform.</p>
Resources Required (Human Recourses / External Expertise / Equipment)	<p><i>[List briefly the resources required]</i></p> <p>Green found, donor and Government budget.</p>
Opportunities & Challenges	<p><i>[Briefly Describe the opportunities & challenges facing the implementation of your plan]</i></p> <p>AKBN, having hands-on experience on the design & development of complex ICT platforms, will capitalize upon the opportunity that the operation of this platform offers. Due to the already pervasive nature and presence of ICT, in many cases energy efficiency is not the main objective pursued; however, understanding the additional energy efficiency and sustainability benefits of using ICT will help to increase the uptake at the local and regional levels.</p>
Timeframe of implementation	<p><i>[Provide the timeframe of implementing the activities]</i></p> <p>2023</p>
Comments	N/A

3.3. Sustainability Plan for the “Joint Strategy & Action Plan”

Output: Joint Strategy & Action Plan	
Institutional Mission & Goals	<p><i>[Describe how your institution's mission and goal fits/can be related with the Output]</i></p> <p>National Agency of Natural Resources (AKBN) has an experience 20 years in management of natural resources and environment protection of the nature. We our technical staff is more 190 persons, where part of this staff are the Energy specialists. Its main duties and responsibilities of AKBN are related with the: monitoring of the state of energy in all the country based on the main energy indicators and components. Our resources have capacity for the created Joint Strategy & Action Plan fulfils this purpose.</p>
Proposed / Planned Sustainability Activities	<p><i>[Describe briefly how you plan to sustain the Output]</i></p> <p>The National Agency of Natural Resources (AKBN) monitoring Action Plan of Energy Efficiency, part of this plan is and the Joint Strategy & Action Plan of public building and household sector.</p>
Actions Required	<p><i>[Describe briefly any steps required to implement the proposed/ planned sustainability activities]</i></p> <p>Joint Strategy is a part of implementation plan of EE. Action of implementation is responsibility of AKBN and Agency of Energy efficiency</p>
Resources Required (Human Recourses / External Expertise / Equipment)	<p><i>[List briefly the resources required]</i></p> <p>National Agency of Natural Resources (AKBN) has a good expertise for preparation and monitoring EE implementation</p>
Opportunities & Challenges	<p><i>[Briefly Describe the opportunities & challenges facing the implementation of your plan]</i></p> <p>Policy makers are encouraged to complement the best practice policies offered here by researching any policy or technology option that makes sense in the settings that they are targeting. The Joint Strategy & Action Plan request: effective governance, accountabilities and resourcing; an active process of performance evaluation; ensuring complementarity with other infrastructure and energy policies; that utilities support and complement energy efficiency policies; and timely review and refinement of policies.</p>
Timeframe of implementation	<p><i>[Provide the timeframe of implementing the activities]</i></p> <p>Existing</p>
Comments	N/A

3.4. Sustainability Plan for the “Joint Cost-Benefit Analysis Modeller”

Output: Joint Cost-Benefit Analysis Modeller	
Institutional Mission & Goals	<p><i>[Describe how your institution's mission and goal fits/can be related with the Output]</i></p> <p>The National Agency of Natural Resources (AKBN) supports Cost-Effectiveness of Energy Efficiency Programs, involved in considering and adopting cost-effectiveness tests for energy efficiency, including discussing each perspective represented by the five standard cost-effectiveness tests and clarifying key terms</p>
Proposed / Planned Sustainability Activities	<p><i>[Describe briefly how you plan to sustain the Output]</i></p> <p>The Joint Cost-Benefit Analysis Modeller will be (open to all) supporting decision-making for retrofits, renovations etc. which in turn, is planned to lead to increased energy efficiency</p>
Actions Required	<p><i>[Describe briefly any steps required to implement the proposed/ planned sustainability activities]</i></p> <p>No formal action is required. Implementation of specific actions, within existing and future programmes/ projects</p>
Resources Required (Human Recourses / External Expertise / Equipment)	<p><i>[List briefly the resources required]</i></p> <p>Funding of energy upgrades through cost reductions</p>
Opportunities & Challenges	<p><i>[Briefly Describe the opportunities & challenges facing the implementation of your plan]</i></p> <p>The AKBN modeller alongside the pilot actions foreseen are jointly developed & applied, leading on the one hand to economies of scale & on the other to useful dynamic interregional comparisons & benchmarking, hence stimulating continuous improvement processes & regional excellence</p>
Timeframe of implementation	<p><i>[Provide the timeframe of implementing the activities]</i></p> <p>Immediate activation/implementation</p>
Comments	N/A

3.5. Sustainability Plan for the “Framework for energy-related interventions”

Output: Framework for energy-related interventions	
Institutional Mission & Goals	<p><i>[Describe how your institution's mission and goal fits/can be related with the Output]</i></p> <p>The National Agency of Natural Resources (AKBN) supports all initiatives in framework for energy-related interventions for Increasing public buildings energy efficiency and securing investments, through the improved multidisciplinary in-house staff capacity building of Public Administrations and the establishment of a system of alliances with more engaged and motivated building users.</p>
Proposed / Planned Sustainability Activities	<p><i>[Describe briefly how you plan to sustain the Output]</i></p> <p>The National Agency of Natural Resources (AKBN) will coordinate with its key stakeholders, in order to promote the adoption of this framework by all relevant stakeholders and any other interest party.</p>
Actions Required	<p><i>[Describe briefly any steps required to implement the proposed/ planned sustainability activities]</i></p> <p>No formal actions are required.</p>
Resources Required (Human Recourses / External Expertise / Equipment)	<p><i>[List briefly the resources required]</i></p> <p>No additional resources are required.</p>
Opportunities & Challenges	<p><i>[Briefly Describe the opportunities & challenges facing the implementation of your plan]</i></p> <p>The investment in technological interventions is the most common method to reduce energy consumption, both in public and in private sector, organizational and behavioural interventions are now starting to be considered as relevant aspects for a better achievement of energy efficiency goals</p>
Timeframe of implementation	<p><i>[Provide the timeframe of implementing the activities]</i></p> <p>Immediate implementation</p>
Comments	N/A

3.6. Sustainability Plan for the “Training sessions”

Output: Training sessions	
Institutional Mission & Goals	<p><i>[Describe how your institution's mission and goal fits/can be related with the Output]</i></p> <p>The National Agency of Natural Resources (AKBN), promote and train the Green public building project: a prize competition aimed to develop a healthy competition among schools, by involving all the stakeholders of public high schools (principals, teachers, students, facility officers, janitors, etc.) and raise awareness on energy saving and environmental sustainability topics.</p>
Proposed / Planned Sustainability Activities	<p><i>[Describe briefly how you plan to sustain the Output]</i></p> <p>The involvement of final users in training schools through social investments has the double purpose of, from one side, making energy savings interventions more efficient thanks to a more aware behaviour of final users, and promoting, on the other side, the importance of sustainability and energy efficiency, which in schools represents an important educational contribution.</p>
Actions Required	<p><i>[Describe briefly any steps required to implement the proposed/ planned sustainability activities]</i></p> <p>Apart from the trainings themselves, no other planned action will be required.</p>
Resources Required (Human Recourses / External Expertise / Equipment)	<p><i>[List briefly the resources required]</i></p> <p>No additional resources are required.</p>
Opportunities & Challenges	<p><i>[Briefly Describe the opportunities & challenges facing the implementation of your plan]</i></p> <p>AKBN organize the training for managing an energy efficiency fund, and implementing energy efficiency policies,</p>
Timeframe of implementation	<p><i>[Provide the timeframe of implementing the activities]</i></p> <p>Immediate implementation</p>
Comments	N/A

3.7. Sustainability Plan for the “Benchmarking Tool”

Output: Benchmarking Tool	
Institutional Mission & Goals	<p><i>[Describe how your institution's mission and goal fits/can be related with the Output]</i></p> <p>The National Agency of Natural Resources (AKBN), supports all processes and best practices in energy efficiency polices require: good design of robust programmes, evaluation, alteration of underperforming programmes, at all levels in an economy.</p>
Proposed / Planned Sustainability Activities	<p><i>[Describe briefly how you plan to sustain the Output]</i></p> <p>AKBN Planned Sustainability Activities for Analyzing and designing an effectivesuite of energy efficiency policies, suited to the needs ofthe economy is a coretask, and ensures policies are designed,implemented, evaluated, and deliver economic benefits.</p>
Actions Required	<p><i>[Describe briefly any steps required to implement the proposed/ planned sustainability activities]</i></p> <p>Apart from the “benchmarking tool” itself, no other planned action will be required.</p>
Resources Required (Human Recourses / External Expertise / Equipment)	<p><i>[List briefly the resources required]</i></p> <p>No additional resources are required.</p>
Opportunities & Challenges	<p><i>[Briefly Describe the opportunities & challenges facing the implementation of your plan]</i></p> <p>Shifting energy subsidies to motivate more rational investments reduces budgets and also enables investment in more economic alternatives like energy efficiency across the entire market. Utility led programmes impact across entire customer classes in an economy and can send powerful motivations with smarter tariffs and Demand-side Management (DSM) activities.</p>
Timeframe of implementation	<p><i>[Provide the timeframe of implementing the activities]</i></p> <p>Immediate implementation</p>
Comments	N/A

**SECTION
4**

JOINT FOLLOW-UP ACTIVITIES

4.1 Proposed joint activities

Activity	Goal	Proposed implementation vehicle (funding programme or other)
Smart metering and billing: increasing consumer awareness	To maximise the impact of the PRO ENERGY project and utilize its key outcomes	Interreg V-B "Balkan-Mediterranean 2021-2027 Green Deal Erasmus +
The role of ICT in smart buildings	ICT can accelerate energy market transformation enabling demand-response, real time energy management and integration of intermittent renewable energy sources.	Interreg V-B "Balkan-Mediterranean 2021-2027 Green Deal Erasmus +
Energy efficiency networks, benchmarking	The objective of the project is to improve the energy efficiency	Interreg V-B "Balkan-Mediterranean 2021-2027 Green Deal Erasmus +
Capitalizing on the multiple benefits of energy efficiency	Energy savings triggered by energy efficiency policies are just one of their many benefits. Other positive impacts include lower consumer bills, decreased public spending, CO2 reduction and health benefits from improved thermal insulation of buildings.	Interreg V-B "Balkan-Mediterranean 2021-2027 Green Deal Erasmus +

Guidelines:

- Please propose a set of Joint Activities that could be implemented by the partnership.
- Provide the name of the Activity, its Goal (ie. Expand the Transnational Network) and a proposed implementation vehicle (ie. ADRION 2021 - 2027, bilateral agreement, ERASMUS+ etc.)

SECTION 5	ANNEXES

ANNEX I - Methodology of public consultation

Any kind of meeting or event is intended to produce an outcome, whether it is only for the participants and their organisations (e.g. a workshop) or has a wider impact (e.g. an open event, conference, etc.). A key common feature that all types of meetings and events should have in common is that they should have the potential to inspire or at least keep participants engaged, creating the conditions for open participation and constructive dialogue.

The job of a "Facilitator" is to ensure that any meeting/event proceeds smoothly, according to the schedule, the desired outcome and with equitable treatment of participants.

Consultation events also have a need for tangible, immediate and measurable outcomes, which are a synthesis of the views and decisions expressed during the meeting/workshop. In order to achieve the objectives, modern procedures and tools are used, some of which are briefly presented in the table below.

Procedures	Tools
<ul style="list-style-type: none"> • Defining the roles of participants, setting the agenda, timetable and "rules" • Recording of contributions, questions, management of "individual" interventions • Adapting the approach according to the audience and participants • Maintaining the 'neutrality' of the facilitator • Active listening - respect for all positions 	<ul style="list-style-type: none"> • "Idea-Proposal-Recommendation" for the creation of a strategy and/or action plan • "Available space" for issues of equal importance but outside the scope of the discussion • "Circular Discussion" to ensure that all participants have a voice • "Narrative" to create coherence on the proposal