ProLIGHTmed | Interreg Euro-MED | Co-funded by the European Union

ProLIGHTmed

Progressive solutions in greener optimization of public lightning in EURO-MED area

The ProLIGHTmed project aims to contribute to the promotion of climate change adaptation through optimisation and facilitation of public lighting energy efficacy solutions in the EURO-MED area. **Direct beneficiaries of the project will use the step-by-step, methodological approach and get access to tools and resources that could foster a more efficient implementation of local energy plans, integrating not only technical, but also socio-economic and environmental aspects.** As a result of working packages four main outputs will be created during project lifecycle. Defined joint strategy for improvement of energy efficiency and reduction of CO2 emission in public lighting of EURO-MED region, that should provide a joint approach and jointly developed analytical and implementation tools. During the strategy planning processes involvement of all project partners, associate partners and other national and local level stakeholder will be established; Joint action plan and methodology for financing public lighting optimisation projects. Using the value chain approach and based on different experiences of financing the implementation of activities related to the optimisation of public lightning project partners will recommend best models for financing mechanisms, targeting and EU and IPA countries of EURO-MED region. Specific focus will be given to the banking sector and establishing subventions schemes for support of investments in public lighting; Upscaled solution with final recommendation on optimisation of energy efficiency and reduction of CO2 emission in public lighting in EURO-Med region based on testing activities and implemented cross border knowledge transferability campaign targeting optimisation of public lighting energy efficiency and reduction of CO2 emission in EURO-MED region.

The main challenge the project is addressing: The challenge the PROLIGHTmed project is addressing involves mitigating the impact of the current energy crisis by bringing together EU countries from the Mediterranean and two IPA countries to implement international energy and environmental policies. The project focuses on climate change adaptation and mitigation, energy transition, and community decarbonization, encouraging behaviour change and the adoption of best practices in natural resource utilization. PROLIGHTmed aims to enhance public lighting and facility systems through collaborative testing actions in four municipalities. By developing joint strategies, action plans, and practical solutions for energy efficiency and CO2 reduction in public lighting, the project seeks to benefit the entire Euro-MED region, fostering cross-border cooperation and capacity building among public, private, and academic sectors.

Main deliverables:

- The joint strategy for investments in public lighting;
- The upgraded tool for public lighting GIS registration;
- Upscaled Energy Monitoring Systems tool;
- Project storytelling video on the project results.

Pilot activities:

1. **Feasibility Studies for Implementation of New Solutions:** This activity involves the creation of feasibility studies for four pilot investments in Albania, Montenegro, Croatia, and Cyprus. The studies will define the optimal technical specifications for public lighting solutions, including the preparation of a typical feasibility study as a practical template.
2. **Implementation of Four Testing Pilot Projects:** The project will implement the recommended solutions from the feasibility studies in the targeted pilot countries.
3. **Updating the Energy Monitoring Systems Tool:** This activity involves identifying the best solutions for energy monitoring systems and implementing these tools in the selected pilot investments.
4. **Energy Efficiency Monitoring of Pilot Investments:** Continuous monitoring of the pilot projects will assess the implementation and effectiveness of the interventions. This includes the installation of technological data web collection systems in public buildings to demonstrate the economic and environmental advantages of the interventions.
5. **Evaluation and Final Recommendations:** This activity includes the evaluation of the pilot projects to create final recommendations for improving public lighting systems.

Partners:

- **Municipality of Tuzi, Montenegro**
- Energy and Environment Agency of Arrábida, Portugal
- Union of Bulgarian Black Sea Local Authorities, Bulgaria
- Municipality of Lezhë, Albania
- Pegeia Municipality, Cyprus
- City of Kaštela, Croatia
- National Energy Technology Cluster – DitNE, Italy
- Technical University of Crete, Greece

Territories:
Urban