Interreg Euro-MED

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E-MED

E-MED

Increasing capacities of PTO and PTA in the EURO MED area by testing novel solutions to effectively manage public transport's transition towards energy efficiency and resource-efficiency

E-MED tests and validates solutions to increase energy-efficiency and resource-efficiency of public transport systems to reduce public transport's environmental footprint drastically, and to react flexibly to changing energy prices caused by the current energy crisis. This challenge affects in particular local public authorities, public transport infrastructure and energy providers, but also industry suppliers of electric vehicles and service operators. T**hus, E-MED solutions are developed to increase energy-efficiency and share of renewable energy sources, (e.g., tools for fleet, network planning, driver support, AI supported maintenance of energy systems), and to increase resource-efficiency and resilience, (e.g., re-use of batteries and rainwater, maintenance of tires, procurement guidelines) support in the evidence-based planning and introduction of e-bus systems to help objective decision-taking and smart planning, investing and procurement from the start.** This way, E-MED solutions support the right design of a PT system through smart organization and planning of networks and operations, optimized charging concepts, optimal use of engineering technology, and capacity building around more "human" topics like eco-driving. As key enablers to reduce energy consumption and to increase the lifetime of PT fleet and infrastructure, E-MED solutions with focus on end-user needs provide orientation to both buyers and industry. Based on the testing and validation of E-MED solutions, strategies and action plans are optimized in a participatory co-design approach with stakeholders from the public transport and energy community.

E-MED

Overall objective: The project aims to enhance climate change adaptation and disaster risk prevention through eco-system-based approaches. It focuses on developing, testing, and validating 11 co – designed public transport solutions to enable efficient energy transition, resilience to disruptions, and environmental reduction. These solutions, outlined in 5 action plans, provide evidence for planning and procuring e – bus integration in networks, reducing energy use and increasing the share of renewable energy sources in public transport.

Partners:

- **Technical University of Catalonia, Spain**
- Applus Idiada, Spain
- University of Maribor, Slovenia
- Transport Authority of Thessaloniki THETA, Greece
- Centre For Research and Technology Hellas CERTH, Greece
- Transportes Urbanos y Servicios Generales, S.A.L., Spain
- CARRIS, Portugal
- Municipality of Maribor, Slovenia
- ATB Mobility S.p.A., Italy
- Redmint social enterprise, Italy

Territories:
Urban