PARTNER SEARCH DESCRIPTION – MAESHA PROJECT

deMonstration of smArt and flExible solutions for a decarboniSed energy future in Mayotte and other European islAnds

Summary

The MAESHA project is looking for a new partner to work on the replicability of the solutions developed in the project. We are looking for a **European Island to replicate solutions for a decarbonised energy system** that are currently being deployed in Mayotte.
Find more information about the project, the replicability studies and the time and budget to be dedicated to this action below.

Website: https://www.maesha.eu/
Project duration: 01 November 2020 (M1) - 31 October 2024 (M48)
Coordinator: Technical University Berlin (TUB) (contact@ceacc.tu-berlin.de)
Communication manager: Euroquality (EQY) – Nadia MOUSSAÏD (nadia.moussaid@euroquality.fr)

Profile of your organisation

The organisation we are looking for must be involved on a specific geographical European island (continental or overseas Europe) and carries out activities relating to its energy system. The organisation can be directly involved in the island energy system, or more indirectly contribute to the study of the energy system, the funding of new assets, the decision-making processes, etc.

Examples of organisations are: public bodies, private entities including DSOs and energy utilities, institutional or academic organisations…

About MAESHA

Making islands smart, green and prosperous

There are more than 2 200 inhabited islands in the EU, many of which depend on expensive fossil fuel imports for their energy supply. The large-scale deployment of local renewable energy sources and storage systems would contribute to decarbonising the energy system. However, this endeavour requires flexible solutions, new tools and efficient frameworks that can be adapted to local needs. The EU-funded MAESHA project will develop smart and flexible methods of storage and energy management as well as modelling tools and technical systems with the aim of promoting the transition towards sustainable energy. Designed with respect to the interests of the local communities, adapted to the market and ready to be disseminated, the new approaches will serve as a demonstration for the future decarbonisation of the Mayotte and other European islands.

Aiming at decarbonising the energy systems of geographical islands, MAESHA will deploy the necessary flexibility, storage and energy management solutions for a large penetration of Renewable Energies. Cutting-edge technical systems will be developed and installed, supported by efficient modelling tools and adapted local markets and business frameworks. A community-based approach

will be adopted to ensure the constant consideration of local populations' best interests throughout the project.

Putting together 10 SMEs, 3 industrial partners, 2 universities and 6 public organisations from 9 countries, MAESHA gathers strong partners with the needed expertise to develop and disseminate relevant solutions for a universally beneficial energy transition on islands.

Replicability studies of the solutions

MAESHA will perform replicability studies on its five follower islands. The objective of these tasks (part of WP10) is not to physically install the technologies of MAESHA on the islands, but to conduct the necessary studies to assess their potential and determine the optimal energy transition road for these territories. Four main actions will be performed on each follower island:

- Evaluation of the needs of the energy sector in the long term (10, 30 to 50 years) as a start to shaping its future;
- Identification of the potential for renewable energy systems development and their integration in the global energy system (electricity, heat and if possible, water and transports);
- Modelling of the energy sector on the island and simulations to test the integration of new systems;
- Recommendations on the developments that could be made, and elaboration of an Energy Action Plan.

These actions can either be integrated into an existing work trajectory for islands that are already invested in the energy transition or mark the creation of a beneficial framework for the deployment of RES on these islands. MAESHA will perform a detailed long-term assessment for these islands (as part of WP10) based on advanced energy-economy system modelling tools, which will incorporate most energy transition options identified by the local authorities (i.e. RES production, energy efficiency, electric vehicles, storage, resource efficiency, etc.)

Tasks

Participation in the replicability study of the island.
Work Package 10 – Replicability study for follower islands and expansion to more islands (M24-M48)
Work Package 11 – Communication, dissemination and exploitation of the results (M1-M48)
Work Package 12 – Project management (M1-M48)

Time to be dedicated to the action

7PM (person months; see European Commission website for explanations) distributed as such:

- WP10: 4.25 PM
- WP11: 1.5 PM
- WP12: 1.25 PM

Budget

Personnel costs: 35,000€
Other Direct costs (travels, equipments etc): 34,000€
25% overhead
Total budget: 86,250€

Contact and apply

If you are interested, send your questions and/or application to TUB (contact@ceacc.tu-berlin.de) and Euroquality (nadia.moussaid@euroquality.fr), communication manager.