

Decarbonize the energy systems of six islands; Integrate renewable energy sources (RES) and custom-made flexibility services; Better grid stability and reduction of the energy costs for households; 70% penetration with renewables, reaching more than 90% of Mayotte's population

The Hamaha plant is a photovoltaic farm with storage located on the Indian Ocean island of Mayotte inaugurated in November 2023. The plant has been installed on the site of a former landfill to the northeast of the island that stopped receiving household waste in 2014 in order to begin its rehabilitation phase.

With the objective of decarbonising the energy systems of the geographical islands, MAESHA will deploy the necessary energy flexibility, storage and management solutions for a high penetration of renewable energies.

Mayotte is no doubt the French overseas territory facing the most challenging energy transition. It has the highest cost of electric power generation, at nearly EUR350/MWh in 2021, and the most carbon-intensive production, with fossil fuels accounting for over 95%.

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...

Reducing significantly fossil fuel consumption, by developing renewable energy - based systems (including heating and cooling and storage) that allow the island to go towards full decarbonisation goals in a shorter time frame, using: (1) Energy systems modelling, (2) user-based approach and (3) technical deployment.

The project delves into cutting-edge technologies encompassing renewable energy sources (RES), integrating EV charging points, Vehicle-to-Grid (V2G) systems, and advanced energy storage and management systems.

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On Mayotte, the energy supply is transformed into a flexible system based on renewable resources, while the local population develops awareness and knowledge about energy and climate change. Learn who we are

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.

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