

A photograph of several wind turbines silhouetted against a warm, orange and yellow sunset sky. The turbines are arranged in a line, receding into the distance. The image is framed by a light blue background with a yellow vertical bar on the right and a yellow horizontal bar at the top.

SUSTENANCE and RE-EMPOWERED

Integrated decarbonised renewable local energy systems are crucial for the energy transition in both developed and developing world. It is a vital part to a clean energy community where people live.

It depends on system innovations that facilitate electrification, dealing with the intermittent character of renewables, consequences for the grid, and replaces fossil fuel technologies. The innovations address demand and supply flexibility in the local energy systems where active energy citizens and prosumers play a crucial role.

Therefore, the innovations should be designed and implemented from a citizen-centred perspective.





The projects SUSTENANCE and RE-EMPOWERED aim to advance sustainable energy solutions and promote the integration of smart technologies to achieve more efficient energy systems across various communities. To achieve this, the SUSTENANCE and RE-EMPOWERED projects will implement the following solutions:

iEMS - intelligent Energy Management System (SUSTENANCE)

ecoMicrogrid which is an Energy Management System tool for microgrids and small off-grid systems (RE-EMPOWERED)

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