PEGASUS

Promoting Effective Generation and Suistainable USes of electricity

Feb 2017 | July 2019

GREATER DIFFUSION OF RES AND CONSEQUENT REDUCTION OF CARBON EMISSION

THE FEASIBILITY OF A **MICROGRID**, CONNECTED TO THE **PUBLIC GRID NETWORK**

Interreg Mediterranean
RENEWABLE ENERGY

TO DEVELOP SUSTAINABLE AND APPLICABLE BUSINESS MODEL TO OVERCOME EXISTING LEGAL BARRIERS

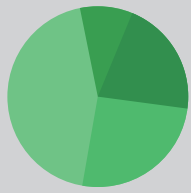
The technological development that the RES are bringing could produce important effects and benefits in fragile territories as rural and island areas, especially in the MED territories where the RES (solar, wind, ...) are more represent.

MAIN ACHIEVEMENTS

The goal of PEGASUS's partners is to combine, test and transfer previous experience in a full fledge package of tools for the Local Public Sector in the MED area, involving also all the stakeholders including end-users and business community.

CONCRETE IMPACT

- Increasing production by RES
- Primary energy saving and consequent reduction of CO_2 emission
- Reducing the transiting electricity on the transmission and distribution networks
- Energy security and costs saving
- Investment deferral in distribution network in the face of local demand increase or a weak network



Microgrids can be economically profitable if the advantages they bring to the electric system are recognized through suitable electricity pricing regulation

Microgrids face regulatory obstacles that must be overcome to allow the development of the related business model

Microgrids are compliant with the new European rules on Local Energy Communities, a legal entity engaged in electricity generation, consumption, storage and other energy services to its shareholders or members

Recommendations

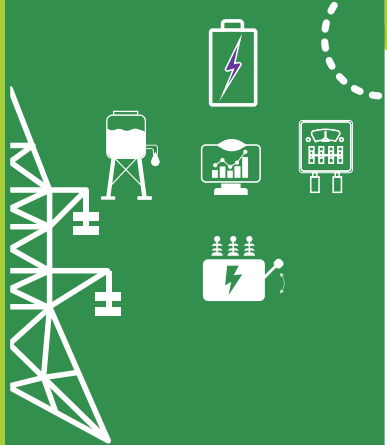
What should be done next? Determine the national authority that will have the responsibility and explain them the results of project to ask to change the application rules to favour the development of microgrids

France

It was created a new economic model where citizens and municipalities has been created a local company that invest in local RES production

Italy

Evidence feasibility and benefits of application of "Scambio sul Posto Altrove" rules for cities under 20.000 inhabitants



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