



#### **OBJECTIVES**

- 1. To increase the share of renewable local energy sources in energy mix strategies and plans in 11 Mediterranean regions.
- 2. To propose a **new model** for planning the development of renewables in rural communities at decision making and planning experts levels.

## Project co-financed by the European Regional Development Fund

# **Rural Communities** engaged with positive energy

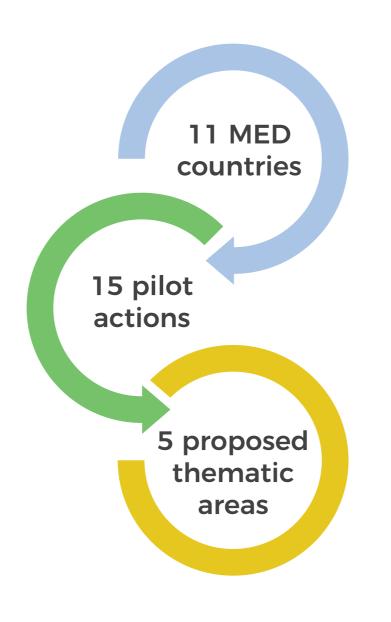
## HOW CAN RENEWABLE ENERGY HELP TO DEVELOP RURAL COMMUNITIES?

- Development opportunities for local businesses
- **Contribution to energy security**
- Climate change mitigation
- Reduction of energy costs

Partners are implementing 15 pilot actions, demonstrating potential of energy efficiency measures (EEM) and introduction of renewable energy sources (RES) to local communities, contributing not only to energy savings but also demonstrating development potential of selected measures in local environment.

#### **Thematic areas**

- Small scale RES demonstration
- Local business models
- IT/ web tools monitoring/ management systems
- Awareness/ behavioural change/ social acceptance on **RES**
- **Empowering local authorities/** communities for innovative development of local potentials



### **Expected output**

Feasibility studies for biomass heating plant

**Action plan and** business plan prepared and adopted by municipal council

Action plan and business plan prepared and adopted by municipal council

Local energy business model development

Model of development planning with RES and **EE** horizontal premise at small rural areas

Web tool to dimension and assess feasibility of small scale RES

Feasibility study on local small chips production unit

Business plan on implementation of RES Capacity building and awareness raising events implemented

#### Common methodology for demonstration



Choosing a local challenge



**Creating local** action group (LAG)



Local action plan



Empower policies and local skills



**Creating local** partnerships



**Implementation** procedures



Monitoring and evaluation



Awareness raising: Promotion, communication and dissemination

#### **Innovative elements**

 Energy cooperatives for RES explotation with citizens, farmers and local producers Sustainable managing of Natura 2000

Multi-level governance

of an Energy Investment Plan

approach in the

development

**Business** model

approach

**Awareness** raising

 Informational campaigns applying innovative methodology Road Show to foster social acceptance

 Development of learning communities

**Participative** 

**Technology** 

 Smart sensors on UCO collection management Energy monitoring in public buildings Web tool to assess small scale RES

INFO

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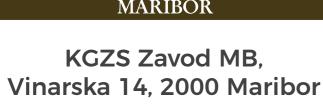
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SCHOOL OF ENVIRONMENTAL ENGINEERING

RENEWABLE AND SUSTAINABLE ENERGY











