



## LANDCARE MEDiterranean cross-border network for local rural governance improvement to enhance rural waste management

### LANDCARE MED

**Priority 4** Promotion of cultural dialogue and local governance

**Measure 4.3** Improvement of governance processes at local level



Project  
funded by the  
**EUROPEAN UNION**



REGIONE AUTÒNOMA DE SARDIGNA  
REGIONE AUTONOMA DELLA SARDEGNA

## Project in brief

The prevention of rural waste production and the recycling of material deriving from human activities in rural communities are currently not well developed in the Mediterranean area. Residuals from breeding and agriculture are often treated all together, even though differentiating waste would prove much easier than in the case of industrial or urban waste for instance. Due to the increase in waste generation and the consequences for local populations (health issues, pollution of soil and water resources), many Mediterranean territories share the need to develop sound environmental systems for the management of rural waste.

**LANDCARE MED** project aims to provide the necessary tools and methodology for local authorities (i.e. rural villages) in order to develop integrated strategies and policies in the field of rural waste management. In particular, the actors involved in the project will implement a system where any kind of residual in livestock and agriculture related activities has a reasonable and efficient way of reusing. This objective will be achieved through a small-scale rural waste management approach and the exploitation of innovative technologies, which both allow to enhance the role of the farmer from source of the problem to key factor of its solution by changing its role from passive actor to active stakeholder.

## Beneficiary

Municipality of Decimoputzu (Italy, Sardegna)

## Partnership

1. University of Cagliari (Italy, Sardegna)
2. Lebanese University, Faculty of Agriculture (Lebanon)
3. Municipality of Haret Saida (Lebanon)
4. Municipality of Zebdin (Lebanon)
5. Garbage Collection and Treatment Company (Lebanon)
6. MAIM Engineering company (Italy, Sardegna)
7. Higher School of Rural Equipment Engineers (Tunisia, Béja)

## Specific objectives

- To develop integrated strategies and policies in the field of rural waste management
- To improve cooperation for exchanging good practices and experiences among local administrations in the field of environmental legislations and policies on rural waste management

## Expected results

- Reinforced commitment of municipalities towards sound management of rural waste
- Strengthened expertise of technical and administrative staff on sustainable rural waste management in the target areas (Municipality of Decimoputzu - Italy, Municipality of Medjez El Bab - Tunisia, Municipalities of Haret Saida and Zebdin - Lebanon)
- Improved involvement of citizens and farmers in the treatment of rural waste
- LANDCARE MED cross-border network established for the diffusion of the good practices on innovative rural waste management for rural communities development
- Awareness of consumers raised concerning the environmental footprint of the products/goods they buy
- Rural waste reduced and sustainably recycled in target areas

## Main activities

- Analysis of the target territories for the identification of the destination of waste sorting (paper, glass, metal, plastic, electronics, organic waste, etc.)
- Elaboration of two indexes - "Quality Commercial Products Index" and "Recyclability Waste Index" - to respectively highlight to consumers the ratio "goods consumed/waste produced" and the commercial value of the recycled materials
- Definition of procedures for preventing waste production and assistance to concerned farmers and citizens on waste pre-treatment processes
- Waste collection in the four municipalities involved through the set-up of four recycling rural waste treatment centres
- Deployment of four pyrolysis plants for the treatment of rural organic waste delivering biochar (natural fertilizer for improving crop yield) and energy as by-products
- Training courses addressed to farmers, citizens, technical and administrative staff

## Target groups

- The 4 rural villages involved in the project
- Technical and administrative staff (60)
- Farmers (400)
- Citizens (400)

## Final beneficiaries

- Public or private entities involved in rural waste management
- Local populations

## Duration

24 months (January 2013 - December 2015)

## Budget

- Total budget: € 2.000.000
- Programme contribution: € 1.800.000 (90%)
- Project co-financing: € 200.000 (10%)

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