



LCA4Regions

Interreg Europe



European Union
European Regional
Development Fund

GREEN EDGE

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INTRODUCTION

Alentejo region, including **Baixo Alentejo**, has a long tradition in vine and olive grove cultivation. The waste from these cultures comes from pruning activity and it is estimated that, in all Alentejo region, there are 205,000 tonnes/year that have no use.



GREEN EDGE

GREEN EDGE overall aims at promoting the valorisation of material from pruning vineyards and olive groves for the production of briquettes and biomass pellets, in **Baixo Alentejo region**.

The GREEN EDGE unit was the first in the Iberian Peninsula to work with woody material from pruning.

GREEN EDGE

GREEN EDGE was established in 2015 with the opportunity and the aim to valorise this agricultural residue. Besides not having any use it, these wastes have negative effects on the environment and on the culture itself and cause increased costs in its removal and burning to the farmer.

It started developing its activity in the valorisation of dried olive pit, for use in central heating equipment in public and private buildings.

GREEN EDGE

In 2017 GREEN EDGE launched a new project, the GreenEdge ECO PELETES, aiming at valorisation waste from pruning vineyards and olive groves.

The construction of the new industrial unit occurred in parallel with the implementation of an organised waste collection network at the pruning sites (vineyards and olive groves). This network acts as a vehicle for obtaining raw material without costs for the farms owners and at the same time also serves as an aid to the progressive reduction of the spreading and burning of prunings by the farmers.

GREEN EDGE

The inclusion of technologically advanced equipment studied/selected in a careful way enables GREEN EDGE to transform what is now waste without beneficial use, into a product with added value, which can be exported, creating wealth and employment in **Baixo Alentejo**.

GREEN EDGE PRODUCTS

GREEN EDGE has several clients in Portugal and also exports to the Netherlands, Belgium and Germany.

GREEN EDGE currently offers a wide range of products:

- Biofuels for heating:
- Ecopellets and ecobriquettes;
- Products for pet care sawdust for cattle and sheep bedding; absorbent pellets for horse beds and for cat, rodent and poultry hygiene.
- Fuels for cooking: Mediterranean flavoured pellets and briquettes for smoking and grilling.

GREEN EDGE KEY SUCCESS FACTORS

The innovative organisational model adopted by the company, based on the creation of a waste collection network, requires **a high level of planning**, achievable with the support IT tools and a high capacity of articulation during the process, the collection of pruning and processing.

GREEN EDGE TRANSFERABILITY

This project could be a reference and starting point for a new, innovation-based, high value-added, Foreign Market-oriented sector of the economy that solves an environmental and economic problem for winegrowers and olive growers.

The project could be replicated in any other regions since it has a high volume of pruning waste.

GREEN EDGE TRANSFERABILITY

The innovative organisational model adopted by the company, based on the creation of a waste collection network directly in the olive groves and vineyards of the region, making available to the community a service of high economic and environmental value, could also be replicated.

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Questions welcome

Thank you!

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