



Who's taking part?

Four institutions placed in different locations within the EU have joined forces for the implementation of this project:

- Fundación del Patrimonio Natural de Castilla y León. (Spain)

- Fundación Centro Tecnológico de Miranda de Ebro. (Spain)
- Escola Superior de Comerç Internacional, Centro attached to the Universitat Pompeu Fabra de Barcelona. (Spain)
- PE International GmbH. (Germany)



Objectives

The wine industry produces a great quantity of refuse. About 80% of the harvest is used for winemaking and grape waste is 20% of the weight of processed grapes.

Therefore, treatment and disposal of winery waste is a serious environmental problem and it is necessary to find new valorisation strategies for those wastes that will provide a competitive improvement for the wine sector.

The LIFE HAprowine project seeks to contribute to sustainable development in the winery sector of Castilla y León. Bearing this in mind, the following specific objectives have been established:

- Promote the rational and sustainable use of natural resources (freshwater resources, land, etc.) using a life-cycle approach.
- Promote the prevention, recovery and recycling of winery wastes.
- Promote the supply-and-demand of more environmentally-friendly products throughout their life cycle.
- Identify and promote the synthesis of high added-value compounds that can be obtained from the different wine waste streams.

Actions

PHASE I. PREPARATORY ACTIONS

ACTIVITY 0

Increase stakeholder awareness of life cycle thinking and encourage their participation to achieve the project objectives.

PHASE II. IMPLEMENTATION

ACTIVITY 1

Analysis of the technical, economic, social and environmental characteristics of the wine life cycle and quantification of the different wine sector waste streams in Castilla y León.

ACTIVITY 2

Identification and description of the Best Available Techniques and the best environmental practices for the wine sector and for the management of its waste streams.

ACTIVITY 3

Screening of added value compounds that can be obtained from wine waste streams and analysis of strategies to obtain these.

ACTIVITY 4

Design of an environmental label that specifies all the requirements that the wine product system has to fulfil to be considered environmentally responsible.

ACTIVITY 5

Development of a Strategic Plan for the wine sector in Castilla y León that allows the sector to place itself at the forefront of wine-producing regions worldwide.

PHASE III. VALIDATION

ACTIVITY 6

Feasibility study of the synthesis strategies of high added-value compounds from wine wastes selected in pilot plant tests.

ACTIVITY 7

Validation of the environmental criteria defined in the label award procedure, by means of their implementation in winemaking industries.



PHASE IV. COMMUNICATION AND DISSEMINATION ACTIONS

ACTIVITY 8

Active dissemination of the developed tasks and results obtained in the framework of the project with the aim of increasing knowledge and awareness about environmental opportunities in the wine sector.

PHASE V. PROJECT MANAGEMENT AND MONITORING

ACTIVITY 9

Management and monitoring of the project development. Coordination of the work and supervision of the outcomes as well as quality of the reports and other deliverables.





What is LIFE?

LIFE+ is the EU's financial instrument for supporting the environment. Its aim is to contribute to the elaboration, implementation and updating of EU environmental policy and legislation.

More specifically, LIFE intends to explore new solutions to face environmental problems on a European basis. This is the framework where the LIFE HAprowINE project will be

implemented, financed by the EU during the period 2010-2013. It was selected by the European Commission under the 2008 call for proposals of this financial instrument due to its expected results and proposed development.



patrimonio NATURAL
de castilla y león



Design and model making: Ambigües-Realce Comunicación



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LIFEHAprowINE

Integrated waste management and life cycle assessment in the wine industry.

From waste to high-value products

LIFE08 ENV/E/000143



<http://www.haprowine.eu/>

Introduction

One of the biggest challenges faced nowadays by humanity is the search for a healthy balance between economic development, biodiversity and environmental protection.

Many policies put in place by public authorities have this challenge in mind and focus their effort on what is known as sustainable development.

Sustainability is based on the need for development of today's society without risking this development of future generations. Innovative projects are needed to acquire the knowledge, evaluate and act on specific human activities.