



With the contribution of the LIFE financial instrument of the European Community



3 February 2012



Re-waste

Recovery · Recycling · Resource

Valorisation of olive mill effluents by recovering high added value bio-products Project LIFE07 ENV/IT/421

Re-Waste
www.re-wasteproject.it



Oleifici Mataluni
via Badia, Zona Industriale
Montesarchio (BN)
3 February 2012

WORKSHOP

The RE-WASTE project.
From waste to resource: a clean technology for the valorisation of olive mill effluents / Friday, February 3, 2012
Oleifici Mataluni, Montesarchio (BN), Italy



FOR MORE INFO

Stefania Spinelli

Parco Scientifico e Tecnologico di Salerno e delle Aree Interne della Campania S.c.p.a.
Via Porta Catena, n. 52
84121 Salerno, Italy

PROGRAM

9.30 Open Bar

Registration

10.00 Welcome

Biagio Mataluni - President of Oleifici Mataluni

10.15 Project contents and purpose.

Technical description of the demonstration plant

Elena De Marco - Research & Development Division at Oleifici Mataluni

10.45 The experimental activity and the achieved results

Maria Savarese - Research & Development Division at Oleifici Mataluni

11.15 Visit to the plant and testing of olive mill wastewater treatment

Salvatore Falco - Research & Development Division at Oleifici Mataluni

13.00 Lunch

AFTERNOON SESSION

14.30 Visit to the industrial complex of Oleifici Mataluni

16.30 Closing



Tel +39 089 256636
Fax +39 089 225397
E mail: sspinelli@psts.a.it

The uncontrolled disposal of olive mill wastewater (OMWW) is becoming a serious environmental problem since, in huge concentration, OMWW may have great impact on land and water environments because of their high phytotoxicity, toxicity against aquatic organisms and suppression of soil microorganisms.

The available disposal techniques are generally very expensive, so that, the sole possibility for olive oil operators to get rid of OMWW is represented by the agronomic utilization, by means of its disposal onto agricultural fields in accordance with the legislative restrictions.

The three-year project RE-WASTE (Recovery, recycling, resource. Valorisation of olive mill effluents by recovering high added value bio-products), included by the European Commission among the projects co-financed under the LIFE+ programme, started in January 2009, aiming at promoting an innovative and clean technology for the valorisation of olive mill wastes.

The project aims at demonstrating the benefits arising from the application of innovative technologies feasible to enhance oil production effluents, in compliance with the environmental legislation, and at diffusing the consciousness that it is possible to convert a polluting residue into a valuable source of energy and of molecules with biological activities, by means of an economically and environmentally sustainable process.

The main project goals are:

- the set-up of a demonstrative prototype capable to recover the phenolic fraction out of the olive oil wastewater, by means of membrane filtration, and the valorisation of the residual organic fraction through an anaerobic process within the biogas recovery;
- to show the benefits arising from the application of innovative technologies feasible to enhance oil production effluents, in compliance with the environmental legislation;
- to organize workshops and technical demonstrations, useful at spreading among the agri-food operators, belonging to different sectors (oil, dairy, canning, etc.), the technical and economical results obtained by the application of the proposed processes.