
Research Project Fact Sheet

Title of Project	Design and development of olive husk collection and management centres for waste to energy purpose
Project Acronym	KEDELEA
Funding Program	Cross-border co-operation programme Greece-Cyprus
Project Identifier	INTERREG IV, Greece Cyprus
Total Budget	569500 €
Starting – Ending Date	10/2012-03/2015
Consortium	<ol style="list-style-type: none"> 1. Frederick Research Centre, Coordinator 2. Agricultural Research Institute, Cyprus 3. Yeri Municipality, Cyprus 4. Agricultural Research Centre ELGO Demetra, Greece
Project Objectives	<ol style="list-style-type: none"> 1. The assembly of an integrated model of provision and recording of the generated annual olive husk amount, based on the feedback acquired from the major olive mills and olive producers in the area of study, as well as on indicators that associate to other stochastic factors (eg. climatic conditions). 2. The definition of minimum requirements for integrated collection and transport systems of olive husk to the collection and management centres in Greece and Cyprus. 3. The development of standards and a pilot operation management centre of olive husk for the introduction of olive husk as a solid biofuel into the market 4. The identification of the best practices for olive husk's treatment using innovative methods that aim towards the reduction of the combustion emissions as well as the increase of the process efficiency. 5. The development of an olive husk price observatory and the definition of its operation specifications. 6. The identification of a permanent mechanism for assessing the potential of olive husk in contributing in the energy mix of the participating countries and the effort towards achieving the 2020 target. 7. The promotion of the olive husk as an alternative fuel mainly for space heating as well as the promotion of its advantages over conventional fuels in the participating countries through relevant dissemination activities, which will include print publications, workshops, events and a regularly updated website.
Work Packages	<p>WP1 - Definition of annual olive husk amount</p> <p>WP2- Definition of olive husk contribution to the indigenous energy balance</p> <p>WP3 - Definition of necessary framework for olive husk transport networks</p> <p>WP4 - Olive husk collection and management points</p> <p>WP5 - Olive husk price watch</p>
External References	<p>Journal of Waste Management, 49, 346-363</p> <p>Journal of Renewable Energy, 96, 33-41.</p> <p>Journal of Biomass and Bioenergy, 84, 107-117</p> <p>Journal of Thermal Analysis and Calorimetry, 118(3), 1789-1796</p>