

Expected Results

- Effective protection against Bactrocera oleae
 Qualitative and quantitative improvements of the produced
- Increased environmental protection
 Improved health and safety at work

olive-oil



TEI of Crete

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Department of Electronic Engineering Laboratory of Circuit Techology and Automation Romanou 3, Chalepa Chania, P.C. 731 33

Project information: http://edakos.chania.telcrete.gr



In collaboration with the Laboratory of Entomology of the Institute for Olive Tree and Subtropical Plants of "DIMITRA" Greek Agricultural Organization.
Chania, Crete, Greece, P.C. 731 00

Project Coordinator

Dr. George Fouskitakis Tel.: +30 28210 23030

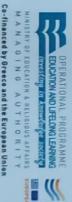
e-mail: fouskit@chania.teicrete.gr



This project was implemented within the context of the Operational Program "Education and Lifelong Learning" action Archimedes III, Project 25, entitled: "Development of an Integrated System for the Optimization of Bait Sprays Against Bactrocera Oleae by Using Modern AutomationTechniques" and is co-financed by the European Union (European Social Fund) and Greek national funds (National Strategic Reference Framework 2007 - 2013).

Precision Agriculture







http://edakos.chania.teicrete.gr

Project information:

Weekly-based insect population monitoring is:

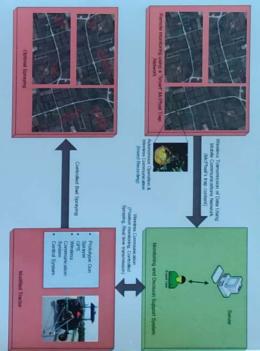
The Problem

The accuracy of bait sprays is limited:

fields of: research and educational purposes in the Department of TEI of Crete, may serve Automation of the Electronic Engineering The Laboratory of Circuit Technology and

- Printed circuits
- Digital and organic electronics
- **Automatic control systems**
- Industrial automations Embedded systems
- Intelligent control systems
- Computer architecture
- Structural identification
- Stochastic fault detection and isolation
- Novel educational methodologies

and any interested stake holders. specialized solutions for agricultural, It is also capable for educating students industrial and structural applications. The Laboratory is focused on developing





Development of a web-based application for real-time Continuous spraying recording (spatial/quantitative) Development of an optimized spraying mechanism

representation, monitoring and decision making

Development of a "smart" McPhail e-trap

The Prosposed Solution



Bait-sprays applied in an optimal manner: ACT



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