



ΜΠΕΝΑΚΕΙΟ  
ΦΥΤΟΠΑΘΟΛΟΓΙΚΟ  
ΙΝΣΤΙΤΟΥΤΟ

**«Adaptation and application of the principles for  
the sustainable use of pesticides  
(Directive 128/2009)  
in a vulnerable ecosystem» [www.EcoPest.gr](http://www.EcoPest.gr)**

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# 'The EcoPest project'

**Pilot Area:** Kopais plain, Central Greece, 1200ha

**Environmental problem:**

- High water table
- Surface waters
- Carstic soils
- Intensive agriculture (arable)



**High vulnerability of water bodies to pollution**



**Aims:**

- Minimization of pesticide use
- Minimization of area under unacceptable risk
- Improvement of Environment & Human safety



**B.P.I**



**AEI FORIKI S.A.**



**B.P.O.**



**OASE**



**DEMETER-L.R.I.**



**DEMETER-I.A.M.C.**



# 'The EcoPest project'

**The Implementation team: Six associated beneficiaries**

**More than 40 scientists**

**50 field  
agronomists**

**120 farmers**

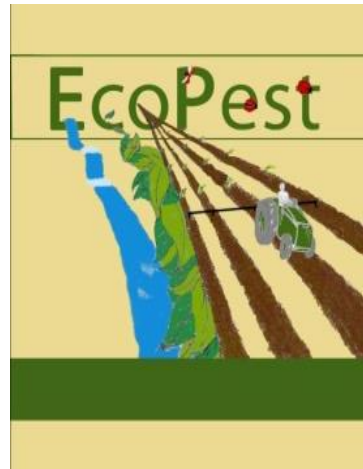
**Experts from  
UK and France**



# Components for the sustainable use of pesticides

## HUMAN

- THEORETICAL & PRACTICAL TRAINING
- HEALTH & ENVIRONMENTAL PROTECTION
- AWARENESS CAMPAIGNS



## AGRICULTURE

- PEST & DISEASE MONITORING
- DEVELOPMENT OF LCM
- APPLICATION OF NEW TECHNOLOGIES
- SPRAYING EQUIPMENT CALIBRATION
- DRIFT REDUCTION

## ENVIRONMENT

- MONITORING OF POLLUTANTS LEVELS IN WATER & SOIL
- ECOTOX TESTING
- SUBSTITUTION OF HAZARDOUS PESTICIDES
- APPLICATION OF NEW TOOLS FOR ENVIRONMENTAL RISK ASSESMENT
- ADAPTATION & USE OF SITE SPECIFIC INDICATORS

## STAKEHOLDER

- INCOPROPRATION OF DEVELOPED STRATEGIES IN NATIONAL LEGISLATION (NAP)
- TRAINING MATERIAL & WEB SITE
- BILATERAL KNOWELDGE EXCHANGE
- DISSEMINATION ACTIVITES
- PLATFORM FOR FUTURE AWARENESS RAISING



# KEY RESULTS of LIFE+EcoPest

## REDUCTION OF:

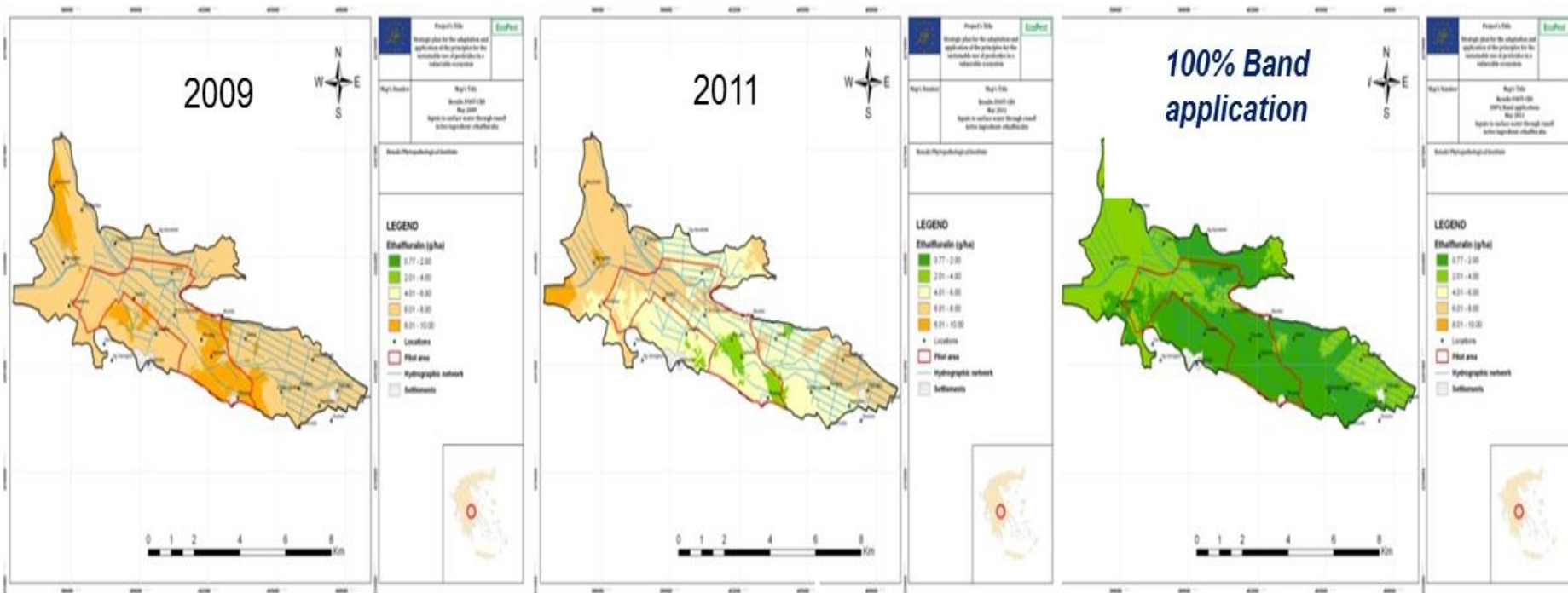
- Pesticide use by 30% (kg a.i./ha),
- Frequency Treatment Index (FTI) by 67%, 66%, 45% (3 crops)
- Concentration of pollutants (a.s.) by 70% in wells
- Toxicity (aquatic) of environmental samples
- Area under unacceptable risk for the major inputs
- Spray Drift

## INCREASE OF :

- Number of farmers trained (63%)
- Number of farmers using appropriate PPE (100%)
- Environmental awareness in the pilot area
- Number of calibrated machinery (100%: EN 13790)
- Amount of empty containers handled
- Volume of liquid waste managed

➤ **IMPROVEMENT OF WATER & SOIL QUALITY**  
➤ **PROTECTION OF HUMAN HEALTH**

# KEY RESULTS of LIFE+EcoPest



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The Award:

**BEST OF THE BEST LIFE PROJECT  
IN EUROPE FOR 2012**

**www.EcoPest.gr**





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Thank you for your attention!



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