



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**

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LIFE+EcoPest Project Coordinator
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EcoPest

'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



OASE

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EcoPest, LIFE07/ENV/GR/000266, Brussels 05.06.2013, Dr K. Machera



EcoPest

'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

ENVIRONMENT

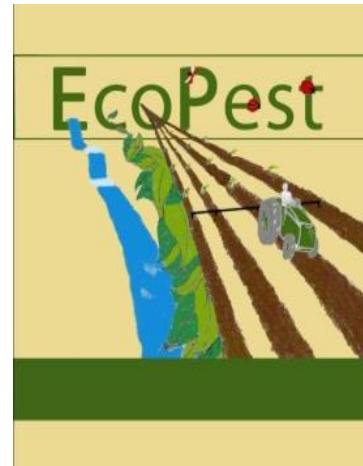
MONITORING OF POLLUTANTS LEVELS IN WATER & SOIL

ECOTOX TESTING

SUBSTITUTION OF HAZARDOUS PESTICIDES

APPLICATION OF NEW TOOLS FOR ENVIRONMENTAL RISK ASSESSMENT

ADAPTATION & USE OF SITE SPECIFIC INDICATORS



AGRICULTURE

PEST & DISEASE MONITORING

DEVELOPMENT OF LCM

APPLICATION OF NEW TECHNOLOGIES

SPRAYING EQUIPMENT CALIBRATION

DRIFT REDUCTION

STAKEHOLDER

INCOPORATION OF DEVELOPED STRATEGIES IN NATIONAL LEGISLATION (NAP)

TRAINING MATERIAL & WEB SITE

BILATERAL KNOWLEDGE EXCHANGE

DISSEMINATION ACTIVITES

PLATFORM FOR FUTURE AWARENESS RAISING

KEY RESULTS of LIFE+EcoPest

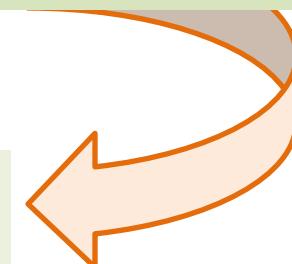
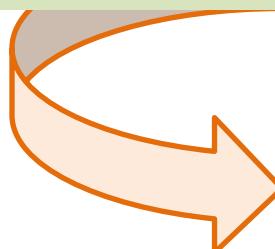


REDUCTION OF:

- 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

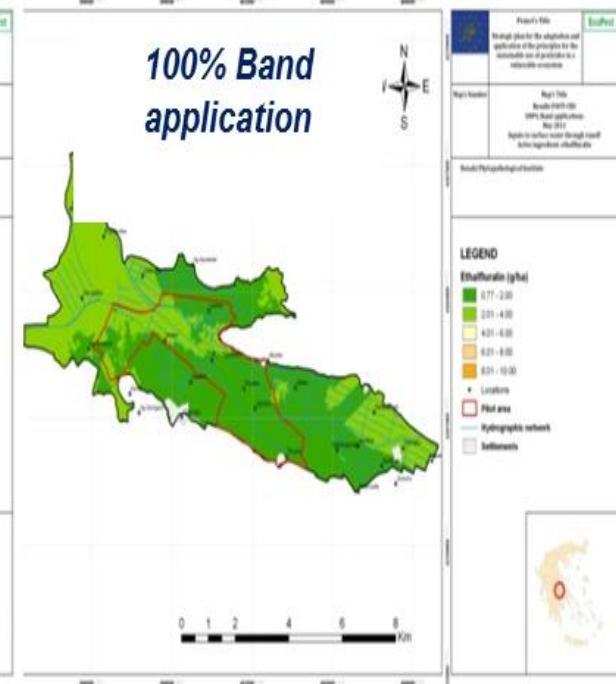
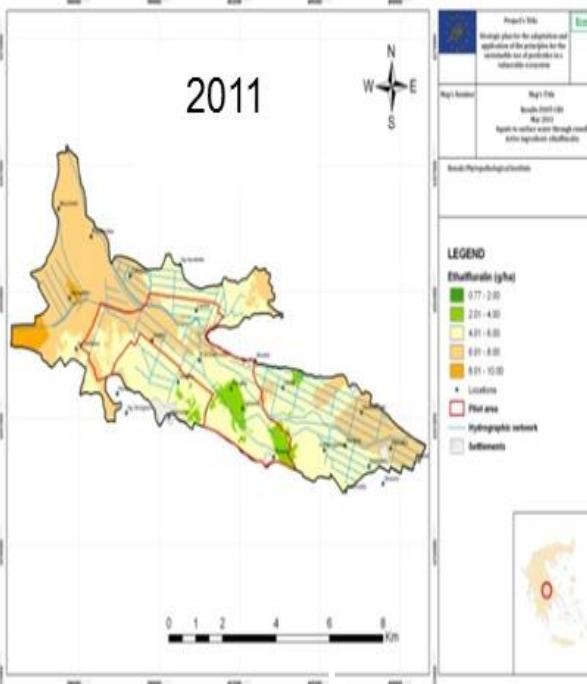
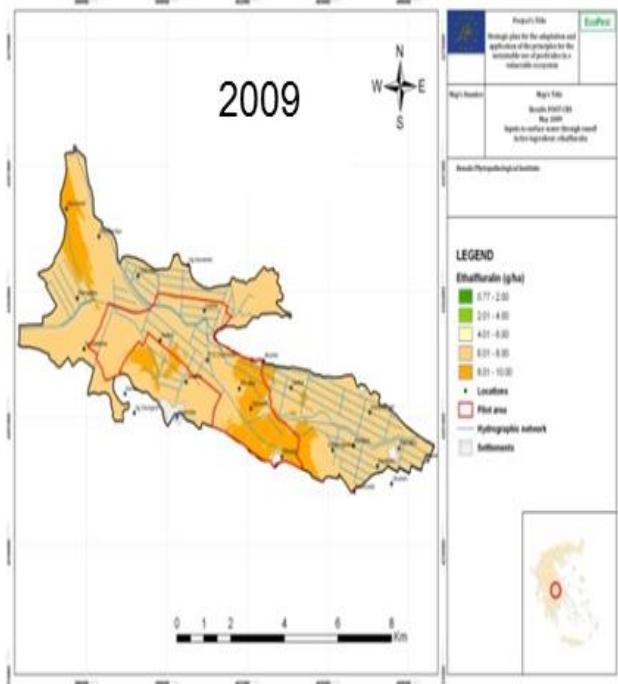


© IMPROVEMENT OF WATER & SOIL QUALITY
© PROTECTION OF HUMAN HEALTH



EcoPest

KEY RESULTS of LIFE+EcoPest



ΑΕΙΦΟΡΙΚΗ[®]
ΥΠΟΡΕΙΣ ΥΠΟΣΤΗΡΙΞΗΣ ΑΓΡΟΠΕΛΛΑΙΑΝΤΟΥ ΧΩΡΟΥ



AEIFORIKI S.A. B.P.O.



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EcoPest

The Award: **BEST OF THE BEST LIFE PROJECT IN EUROPE FOR 2012**





EcoPest

WE THANK THE LIFE + AND THE EC FOR CO-FUNDING

Thank you for your attention!



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