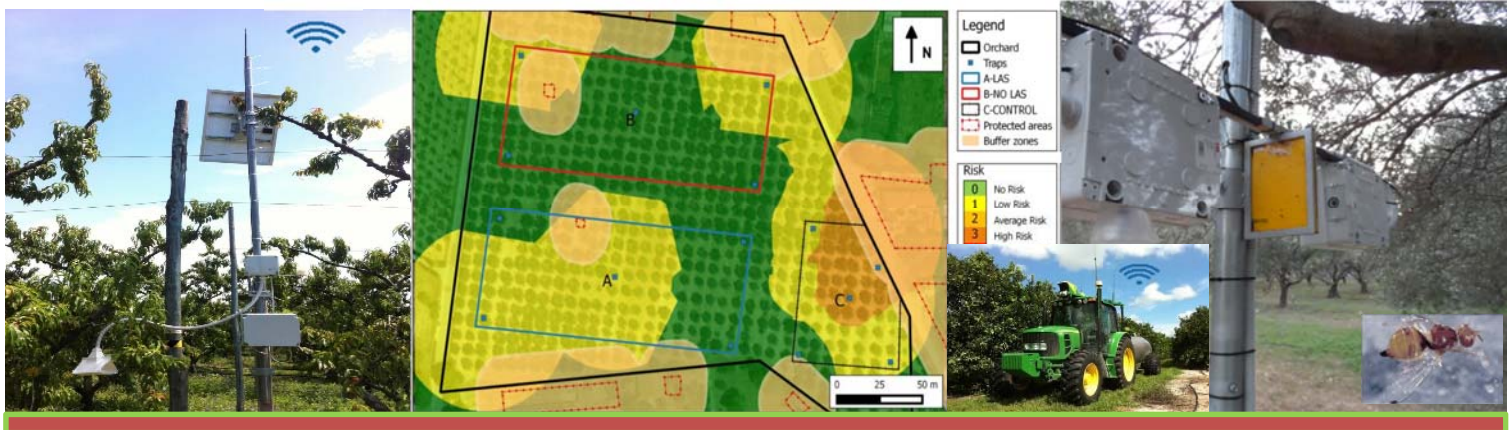




# FruitFlyNet II



**FruitFlyNet-ii:** Commercializing a Location Aware System of environmentally effective e-monitoring and ground spraying control solutions for Olive and Med fruit fly pests based on Living Labs innovations and startups enforcement

## ***FruitFlyNet-ii:***

**Commercialization of an Automated Monitoring and Control System against the Olive and Med Fruit Flies of the Mediterranean Region**

**Online WORKSHOP**

**November 3<sup>d</sup>, 2020**

**Online Registration (free):** Join Zoom Meeting

<https://us02web.zoom.us/j/85278798116>

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# FruitFlyNet II

## Thematic Objective A.2:

Support to education, research, technological development and innovation (Promote economic and social development).

## Priority A.2.1:

Support technological transfer and commercialisation of research results.

## Budget:

€ 3.629.858,95 EURO

## Duration:

1.09.2020–28.02.2023

## Website:

[fruitflynet-ii.aua.gr](http://fruitflynet-ii.aua.gr)

## Beneficiary:

Agricultural University of Athens, Department of Agricultural Economy and Development, Informatics Laboratory, 75 Iera Odos, Athens 11855, Hellenic Republic, EU.

## Partnership

1. UCO: University of Cordoba (Spain, EUMC).
2. UNIMOL: University of Molise (Italy, EUMC).
3. LARI: Lebanese Agricultural Research Institute (Lebanon, MPC).
4. IO: L'Institut de l'Olivier (Sfax, Tunisie, MPC).
5. CRRHAB: Centre Régional des Recherches en Horticulture et Agriculture Biologique Susse, Tunisie, MPC).

## Online WORKSHOP

### November 3<sup>rd</sup>, 2020

### Opening

- 11:00 – 11:05 Welcome by *Prof. Theodore Tsiligiridis*, InfoLab, AUA
- 11:05 – 11:10 *Prof. Stavros Zografakis*, Vice Rector of AUA
- 11:10 – 11:15 *George Stratakos*, General Secretary, Ministry of Rural Development and Food
- 11:15 – 11:20 *Ioannis Maltezos*, Vice Governor of Regional Unit of Argolis region
- 11:20 – 11:25 *Theodoros Vassilopoulos*, Deputy Regional Governor of Western Greece for Rural Development
- 11:25 – 11:30 *Dr. Khaled Elsaadany*, Senior Expert, JTS, ENI CBC MED

### Invited presentations

- 11:30 – 11:50 Progress and potential of precision agriculture in IPM, *Prof. Enrique Quesada*, UCO
- 11:50 – 12:10 Advances and new perspectives for *Ceratitis capitata* management, *Prof. Andrea Sciarretta*, UNIMOL
- 12:10 – 12:30 New concepts for *Bactrocera oleae* management, *Assoc. Prof. Dionysios Perdakis*, AUA
- 12:30 – 13:00 *FruitFlyNet-ii*: Project overview, *Prof. Theodore Tsiligiridis*, AUA
- 13:00 – 13:30 Discussion

### Closing

## Project in Brief

Environmentally effective control of key-pests for olive, peach, and citrus crops is paramount socio-economic importance for huge Med basin areas. It requires effective e-monitoring and Integrated Pest Management (IPM) ground spraying control solutions based on technological innovations, which have to be developed and commercialized.

The *FruitFlyNet-ii* project aims to develop a complete package solution for the farmer to e-monitor the olive fruit fly (*Bactrocera oleae*) and the Medfly (*Ceratitis capitata*) pests. The final solution will be based on a Location Aware System (LAS) providing two prototypes, namely, the *OliveFlyNet* and the *MedFlyNet*, consisting of two e-traps, one per pest examined, and a set of e-services including an automatic identification and e-counting pest mechanism, spraying track path recording, spraying risk maps based on Decision Support Systems and e-guides for precise IPM spraying. The two LAS prototypes will be optimized by the inputs of living labs that consists a new approach in cross-border EU research policies. The optimized prototypes will be established and demonstrated in 8 large-scale, olive, peach, and citrus crop sites, in three EUMemberCountries (EUMC) and two MedPartnerCountries (MPC).

The LAS will integrate IPM knowledge and local farmers' needs introducing novel and clean technologies enforcing policy changes, at a rational cost. Communication activities will attract stakeholders to test the LAS functionalities. Market targeted optimizations, establishment and operation of spin-offs will, presumably, lead to a co-patent product and will prepare the LAS prototypes for commercialization.

### Expected achievements

- 2 improved types of e-traps
- 2 improved sets of e-services
- 2 training and testing sites
- 8 wide-area sites of olive trees, peaches and citrus crops
- 2 demand-driven cross-border living labs
- 3 spin-offs
- Demonstration events, Dissemination
- Scientific publications

### Who will benefit?

- 1,000 Farmers, agriculturalists
- 100 Cooperative and trade Unions
- 120 agro-industries, exporters
- 100 local authorities and policy-makers
- SMEs and IPM industry
- Certification bodies, Payment Authorities of CAP Aid Schemes
- Researchers, academics, practitioners
- Consumers, producers and public