In collaboration with the Ionian University

The system uses **Artificial Intelligence (AI) algorithms**, developed in partnership with the **Smart Sension** spin-off of the Ionian University, to automatically recognize and count the number of insects inside the trap.

IONIAN UNIVERSITY
HELLENIC REPUBLIC · IONIAN UNIVERSITY · 1984

·ı)• **Smart Sension**

gaiaTRAP

Register your interest here

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gaiaTRAP
for the olive fruit fly

The first effective and reliable solution for the olive fruit fly, by NEUROPUBLIC and the Ionian University.

NEUROPUBLIC innovates once again, creating the most comprehensive solution for the effective management of the olive fruit fly — the most significant plant protection issue for olive cultivation in Mediterranean countries.
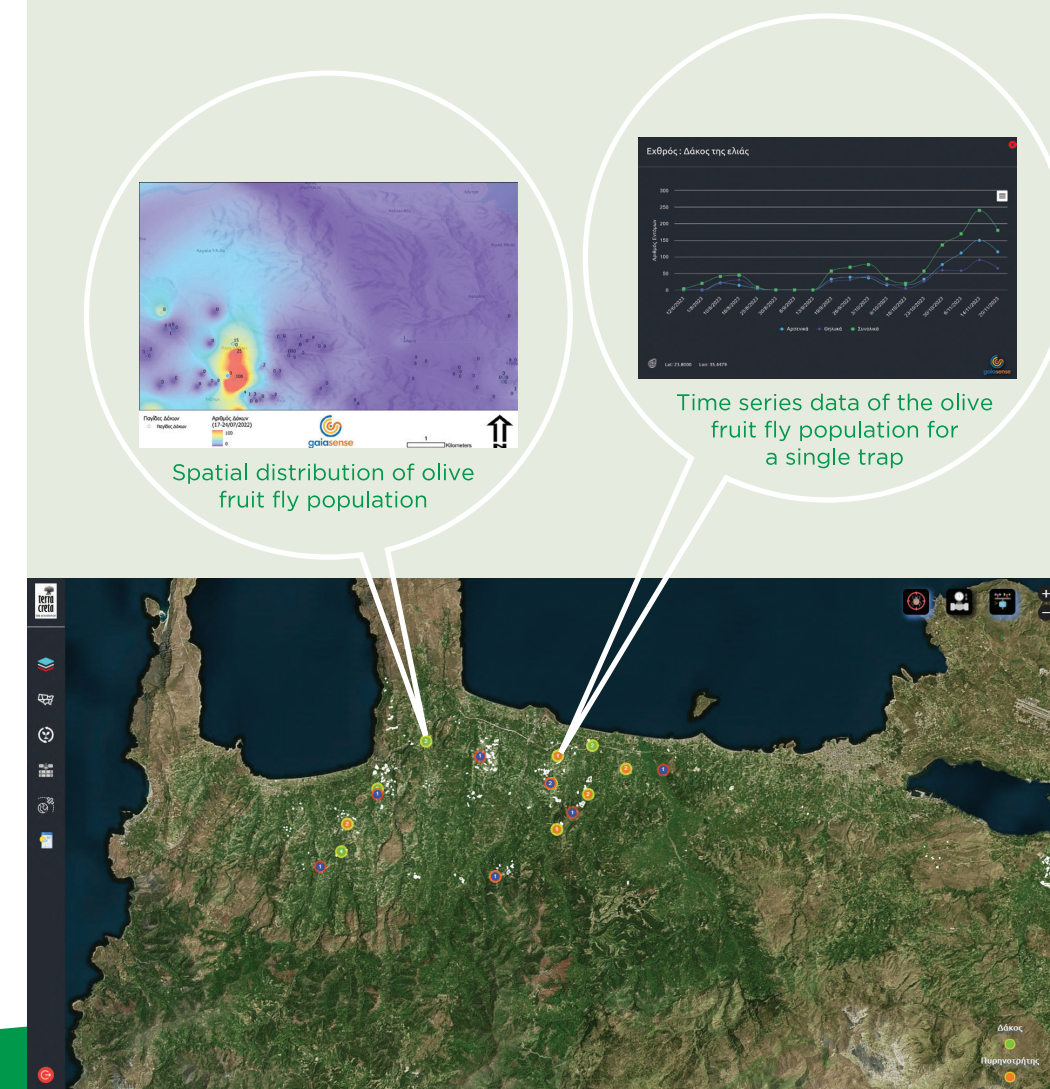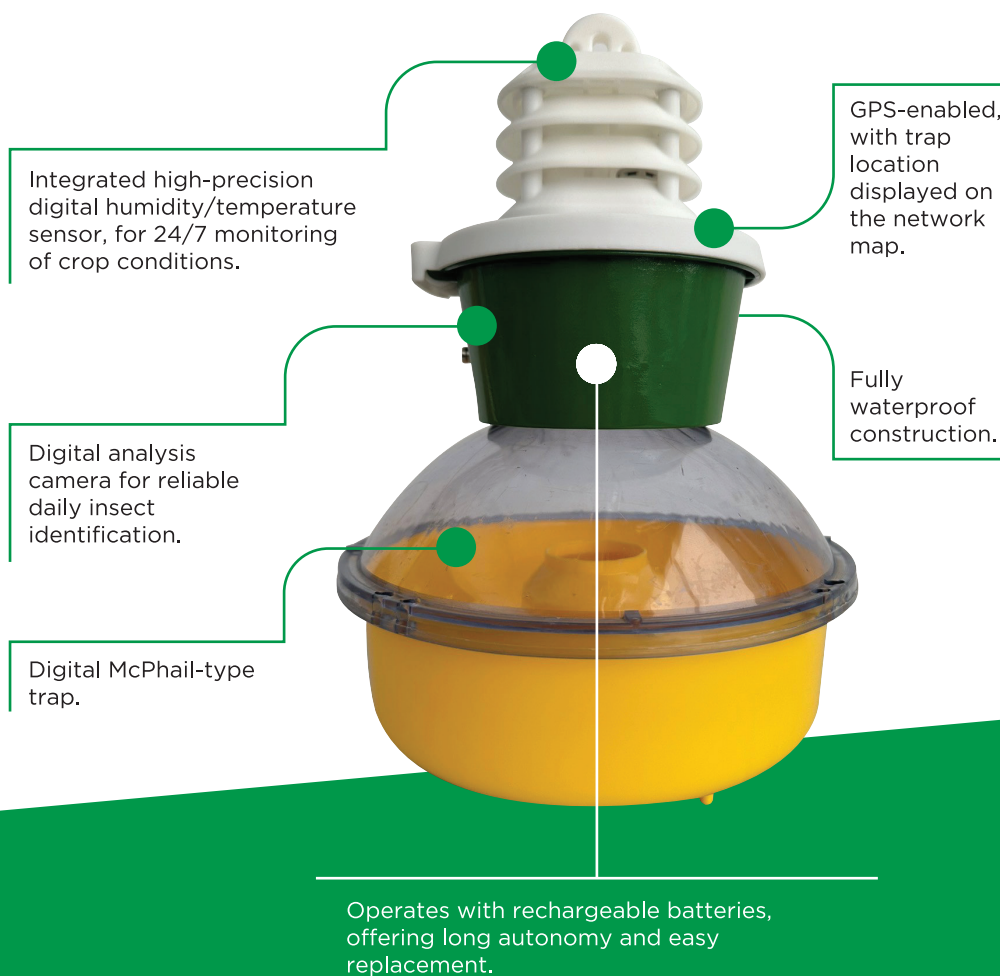
This first holistic approach to tackle the olive fruit fly problem includes:

• **State-of-the-art digital olive fruit fly traps** developed by NEUROPUBLIC

• A **digital platform**· where all critical data is aggregated per user, enabling effective management of olive fruit fly control programs

• A **digital task logbook**

• **Utilization of climatic data** to assess risk levels

• **Localized and spatial risk estimation** based on trap data

• **Use of historical field data**

• **Strategic trap placement** based on Geographic Information System (GIS) best practices

·The system allows for the combined use of digital and conventional traps.

gaiaTRAP at a glance

The **digital olive fruit fly trap** designed and manufactured by NEUROPUBLIC in its ultra-modern, fully automated production line in Greece.

Integrated high-precision digital humidity/temperature sensor, for 24/7 monitoring of crop conditions.

GPS-enabled, with trap location displayed on the network map.

Digital analysis camera for reliable daily insect identification.

Fully waterproof construction.

Digital McPhail-type trap.

Operates with rechargeable batteries, offering long autonomy and easy replacement.

Spatial distribution of olive fruit fly population

Time series data of the olive fruit fly population for a single trap

An integrated digital system for the protection of olive groves from the olive fruit fly.