LIFE +
Environment Policy & Governance

Annex B.1.2

Deliverable B.1: Technology state of the art & Feasibility Study of the Prototype IMS Monitoring Device

June 2015

LIFE CONOPS (LIFE12 ENV / GR / 000466)

The **LIFE CONOPS** project "Development & demonstration of management plans against - the climate change enhanced - invasive mosquitoes in S. Europe" (LIFE12 ENV/GR/000466) is co-funded by the EU Environmental Funding Programme **LIFE+ Environment Policy and Governance**.

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LIFE CONOPS' Participating Beneficiaries:

ΜΠΕΝΑΚΕΙΟ ΦΥΤΟΠΑΘΟΛΟΓΙΚΟ ΙΝΣΤΙΤΟΥΤΟ	**Benaki Phytopathological Institute (Coordinating Beneficiary)**
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The current Report presents (a) the technology State-of-the-art regarding devices which are currently in use for IMS monitoring and (b) the Feasibility Study of the Prototype IMS Monitoring Device (MD) that is developed within the LIFE CONOPS Project.

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Summary

One of the main objectives of the LIFE CONOPS project is the development of a Prototype Invasive Mosquito Species (IMS) Monitoring Device (MD) that will offer increased operational potentials compared to the currently used mosquito monitoring devices.

In the present Report, the current methods for monitoring IMS were analysed and a State-of-the-art survey regarding IMS monitoring technologies took place.

Furthermore, a Feasibility Study was performed regarding the LIFE CONOPS MD, which is included in Chapter 4 of the present Report.

The LIFE CONOPS MD, compared to the currently used devices, presents a series of operational advantages regarding the quantity as well as the quality of the collected IMS monitoring data.

The conclusion which is extracted by the present Report is that the LIFE CONOPS MD is expected to enhance and accelerate the scientific research regarding the establishment of IMS as well as the monitoring of the performance of the various IMS management plans, by enabling scientists to acquire adequate number of IMS samples via a low cost operation process.