



# LIFE + Environment Policy & Governance

## Annex B.1.3

### Deliverable B.1: Detailed description of the prototype IMS monitoring device architecture

June 2015

## LIFE CONOPS (LIFE12 ENV / GR / 000466)

Development & demonstration of management plans against  
- the climate change enhanced - Invasive Mosquitoes in S. Europe



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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## **Abbreviations**

IMS	Invasive Mosquito Species
MD	Monitoring Device
NMS	Network Management System

The current Report presents a detailed description of the Prototype Invasive Mosquito Species (IMS) Monitoring Device (MD) which was designed and developed within the framework of the LIFE CONOPS project.

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## **Summary**

The current Report presents the evolution stages of the design, development and testing of the Invasive Mosquito Species (IMS) prototype Monitoring Device (MD).

More specifically, 3 successive generations of MDs were designed, developed and tested within the framework of the LIFE CONOPS project in the period between October 2013 and June 2015.

The overall scope was the development of an MD that will incorporate the following key features regarding monitoring of IMS:

- Continuous monitoring operation for a total period of at least 1 month
- Enhanced/ supported collection of IMS samples
- Remote surveillance and control of MD
- Preservation of the collected IMS samples
- Parallel monitoring of climatological parameters.

Finally, in June 2015 the MD demonstrator was delivered and installed at the premises of BPI for further testing through trial operations.