



LIFE + Environment Policy & Governance

ANNEX B.5

Deliverables B.5: Management Plans for IMS Control (*Aedes Aegypti*)

August 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**.

Implementation period: 1.7.2013 until 31.12.2017

Project budget: Total budget: 2,989,314 €
EU financial contribution: 1,480,656 €

LIFE CONOPS’ Participating Beneficiaries:



Benaki Phytopathological Institute
(Coordinating Beneficiary)



Agricultural University of Athens



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The current report presents the detailed design of management plan to control IMS (Invasive Mosquito Species) part of LIFE CONOPS project. It is focused on *Aedes aegypti*

The document has been structured as a comprehensive practical technical guideline to assist local authorities in organizing the field activities in the best possible way.

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SUMMARY

Aedes aegypti is a IMS currently not present in Greece and in Italy and in any countries of the Mediterranean basin, causing high concern in public health for its vectorial capacity of pathogens causing human diseases such as Dengue, Yellow fever, Chikungunya and Zika viruses. Because the climatic condition in Southern Europe are considered favorable to the possible establishment on the species it is therefore necessary that the responsible authorities implement specific vector surveillance actions aimed at the early detection of the species in case of introduction.

In case of detection of *Ae.aegypti* breeding population immediate control operations should be activated by local authorities following a well defined management plan.

The aim of this plan should be clearly targeted to the elimination of the colonizing population from the site.

This objective results difficult to achieve because of the huge capacity of this species to develop in urban areas by exploiting a number of artificial breeding sites especially present in private properties. Therefore this document has been structured as a comprehensive practical technical guideline to assist local authorities in organizing the vector control activities in the best possible way.