



Deliverable B.2.8

Database with the oviposition activity of female IMS in pilot areas (1st report)

January-December 2015

LIFE CONOPS (LIFE12 ENV / GR / 000466)

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



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This deliverable was implemented in the terms of Action B.2 and concerns: The 1st report of the database with the oviposition activity of female IMS in pilot areas in the framework of LIFE CONOPS PROJECT.

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Introduction

Mosquitoes are well known vectors of medically important diseases worldwide. New inhabited areas in previously undisturbed natural areas have led to numerous mosquito breeding sites. Moreover, container breeding mosquito species constitute a new challenge for urban areas. For instance, *Aedes (Stegomyia) albopictus* (Skuse 1894) (Diptera: Culicidae), the so called “Asian tiger mosquito”, causes nuisance during the day, when females are seeking human blood meals, and is also a competent vector of at least 22 arboviruses (ECDC 2012). So far *Ae. albopictus* has been reported from several parts of Greece and is widespread in Attica and particularly Athens (ECDC 2012; Badiaritakis et al. 2018). Invasive mosquito species (IMS), among which several *Aedes* species, are able to colonize new areas. At the same time human activities, such as the trade of goods, have led to the expansion of their distribution into new countries in Europe with potential risk to humans and animals (ECDC 2012).

LIFE CONOPS aims to study invasive mosquito species focusing on Italy and Greece taking into consideration the Climatic Change, population parameters and socioeconomic factors in both countries. Within this framework, the early detection of IMS at the main points of entry of the target-countries is of paramount importance. In this framework the current deliverable concerns the results from the monitoring of invasive mosquito species (IMS) in Greece and Italy for the year 2015.

Table 1. Sampling areas in Greece and Italy for the year 2015.

Sampling area	Country
Athens International Airport (AIA)	Greece
Attica Tollway (Attikes Diadromes S.A.)	Greece
Crete island	Greece
Piraeus Container Terminal S.A. (PCT)	Greece
Ravenna port	Italy