



Deliverable B.2.9

Database with the oviposition activity of female IMS in pilot areas (2nd 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 2nd report of the database with the oviposition activity of female IMS in pilot areas in the framework of LIFE CONOPS project.

STRICTLY CONFIDENTIAL REPORT

Only for the scope of the mid-term report. Not to be distributed to third parties.

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Table of Contents

Introduction	6
1. Materials and Methods	7
AIA	8
Crete	8
Drama	10
Kavala	10
PCT	11
AO	11
Lesvos island	11
Rhodes island	12
Samos island	12
Thessaloniki	12
Results & Discussion 2016	13
AIA	13
Crete island	17
Chania	17
Rethymno	18
Heraklion	19
Lasithi	19
Drama	21
Kavala	22
PCT	23
AO	25
Lesvos island	27
Rhodes island	27
Samos island	29
Thessaloniki	29
Italy	32
Rovereto	32
Ravenna	34
Winter eggs monitoring	35
Surveillance by CO2 trap in the Port of Ravenna in 2016	Error! Bookmark not defined.
Appendix	37

AIA	39
Crete	41
Chania	41
Rethymno	43
Heraklion	44
Lasithi	45
Drama	46
Kavala	47
PCT	48
AO	50
Lesvos island	51
Rhodes island	52
Samos island	53
Thessaloniki	54

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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; Badiaritikis 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 2016.

Table 1. Sampling areas in Greece and Italy for the year 2016.

Sampling area	Country
Athens International Airport (AIA)	Greece
Attica Tollway (Attikes Diadromes S.A.)	Greece
Crete island	Greece
Rhodes island	Greece
Thessaloniki Port & Airport (SKG)	Greece
Municipality of Drama	Greece
Lesvos island	Greece
Municipality of Kavala	Greece
Corfu island	Greece
Piraeus Container Terminal S.A. (PCT)	Greece
Rovereto	Italy
Ravenna	Italy