



ANNEX B.2.10

Deliverable B.2.10: Database with the collected IMS along with their seasonal abundance in pilot areas (Final report)

November 2018

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:

 <p>ΜΠΕΝΑΚΕΙΟ ΦΥΤΟΠΑΘΟΛΟΓΙΚΟ ΙΝΣΤΙΤΟΥΤΟ</p>	<p>Benaki Phytopathological Institute (Coordinating Beneficiary)</p>
	<p>Agricultural University of Athens</p>
 <p>SERVIZIO SANITARIO REGIONALE EMILIA-ROMAGNA Azienda Unità Sanitaria Locale di Cesena</p>	<p>Azienda Sanitaria Locale Cesena</p>
 <p>SERVIZIO SANITARIO REGIONALE EMILIA-ROMAGNA Azienda Unità Sanitaria Locale di Ravenna</p>	<p>Azienda Unità Sanitaria Locale Ravenna</p>
 <p>CENTRO agricoltura ambiente 'Gioglio Nicoli'</p>	<p>Centro Agricoltura Ambiente “G.NICOLI” S.R.L.</p>
 <p>DEMOKRITOS NATIONAL CENTER FOR SCIENTIFIC RESEARCH</p>	<p>NCSR Demokritos</p>
 <p>ONEX</p>	<p>ONEX S.A.</p>
 <p>Regione Emilia-Romagna</p>  <p>SERVIZIO SANITARIO REGIONALE EMILIA-ROMAGNA Azienda Unità Sanitaria Locale di Ravenna</p>	<p>Regione Emilia-Romagna Public Health Service</p>
 <p>terra nova</p>	<p>TERRA NOVA Environmental Engineering Consultancy Ltd.</p>
	<p>Urban Environment and Human Resources Institute of Panteion University</p>

Table of Contents

1. Introduction	7
2. Materials and Methods	8
3. Results	9
MD Zeus	10
MD Athena	11
MD Hestia	11
MD Poseidon	12
MD Hephaistos	13
MD Demeter	14
MD Ares	14
Italy MD results	15
MD Hera/Juno	15
MD Apollo	16
MD Artemis/Diana	17
MD Aphrodite/Venus	19
4. Conclusions	20
5. References	21

This deliverable was implemented in the terms Action B.2 and concerns the: Database with the collected IMS along with their seasonal abundance in pilot areas (Final report)

STRICTLY CONFIDENTIAL REPORT

Not to be distributed to third parties.

The scientific team, which is involved in Action B.2, and contributed to the development of the current report, includes:

Name	Expertise	Participants
Antonios Michaelakis	Project Coordinator	Benaki Phytopathological Institute Stefanou Delta 8, 14561, Kifissia, Greece Tel: +30 210 8180248 Fax: ++30-10-8077506 a.michaelakis@bpi.gr www.bpi.gr
Panagiotis Milonas	Entomologist, PhD	
Kyriaki Machera	Toxicologist, PhD	
Dimitrios Papachristos	Entomologist, PhD	
Angeliki Stefopoulou	Agronomist, PhD	
Dionyssia Maselou	Agronomist, PhD	
Georgios Balatsos	Public health Inspector, MSc	
Dimitra Markogiannaki	Agronomist, BSc	
George Koliopoulos	Entomologist, PhD	
George Partsinevelos	Entomologist, MSc	
Dimitris Kontodimas	Entomologist, PhD	
Dimitrios Avtzis	Molecular Entomologist, PhD External Collaborator	
Daskalakis Dimitris	Agronomist External Collaborator	Ygeionomiki Kritis Venizelou Eleftheriou 72, 73132, Chania, Crete Tel: +30 2821027480 Fax: +30 2821027600 igio@otenet.gr

George D. Broufas	Entomologist, PhD External Collaborator	Democritus University of Thrace, Department of Agricultural Development Laboratory of Agricultural Entomology and Zoology Pantazidou 193, 68 200, Orestiada, Greece Tel.: +302552041154
Plousia Iliia	External Collaborator for the MD in Lesvos island	
Silvia Di Cesare	Biologist	Dipartimento Sanità Pubblica - A.U.S.L. della Romagna Via Fiume Abbandonato 134, 48100 Ravenna Telefono 0544 286868 Fax 0544 286875
Angelico Gabriele	Entomologist External Collaborator	Laboratorio Diagnostica Istituto Zooprofilattico Sperimentale Umbria e Marche , Sezione di Ancona Via Cupa di Posatora 3, Ancona. tel: +39.071.41760 fax: +39.071.42758 mob: +39.347.6696779 www.izsum.it
Pietro Castellani	Responsible for internal safety management	AZIENDA MARANGONI SPA – ROVERETO Via del Garda ,6 38068 Rovereto (Tn), Italy Tel. +39 0464 301111 Fax. +39 0464 431669 Tel. 0464.301444 - Fax 0464.301106 p.castellani@marangoni.com
Annunziata Giangaspero	Professor Parasitology	Dipartimento di Scienze Agrarie, degli Alimenti e dell'Ambiente Università di Foggia Via Napoli 25 71121 Foggia www.unifg.it tel. 3204394532

SUMMARY

BACKGROUND: *Aedes (Stegomyia) albopictus* (Skuse 1894) (Diptera: Culicidae), the so called “Asian tiger mosquito”, has been reported from several areas of Greece and Italy and is widespread in a lot of regions across the countries. The aim of this report of LIFE CONOPS is to provide data on the collected species with the use of the prototype monitoring devices in the points of entry in Greece and Italy.

RESULTS: The results for the years 2017 and 2018, shows that the installed prototype monitoring devices (MDs) are operating adequately towards *Aedes* species and the only IMS captured was *Aedes albopictus* species.

CONCLUSION: MDs’ operation based on the results the number of collected IMS was not high. The entomological surveillance (monitoring) of the selected pilot monitoring areas (PMAs), employing our MDs, helped us to record the seasonal abundance of *Ae. albopictus*.