



ANNEX B.2.4

Deliverable B.2: Report on the prototype IMS monitoring devices developed in terms of Pilot Monitoring

April 2016-December 2016

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. Appendix	9

CONFIDENTIAL

This deliverable was implemented in the terms Action B.2 and concerns the: Report on the prototype IMS monitoring devices developed in terms of Pilot Monitoring.

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	
Ioannis Spanos	Chemical Engineer MSc.	
Andreas Sotiropoulos	Environmental Scientist MSc.	
Ioannis Tsikos	Environmental Scientist MSc.	
Nikos Rigizos	Environmental Scientist	
Giorgos Anagnostopoulos	Environmental Scientist	
Kostis Dramitinos	Environmental Scientist	
Stavroula Barafaka	Chemical Engineer MSc.	Forest Research Institute (F.R.I.) National Agricultural Research Foundation (N.AG.RE.F.) 57006 Vassilika, Thessaloniki Greece Tel.: +30 2310 461411
Dimitrios Avtzis	Molecular Entomologist, PhD External Collaborator	

		FAX: +30 2310 461341 dimitrios.avtzis@fri.gr dimitrios.avtzis@gmail.com
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 Ilia	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: This Action involves the installation of fully functional mosquito monitoring devices in selected locations that are potentially high-risk areas, defined in terms of Actions A.1 and A.2.

RESULTS: According to the submitted project five (5) areas would be selected as Pilot areas for the Pilot monitoring of the prototype device: three (3) in Greece and two (2) in Italy and in each Pilot area two (2) prototype devices would have been placed. We decided to change the planning of MDs' distribution to cover a superior number of points of entry (PoE) from 5 to 12.

CONCLUSION: The change of initial plan to increase the capacity of LIFE CONOPS by keeping under surveillance a higher number of PoE resulted in collaboration with more stakeholders. This was the first year of MDs' operation and based on the results the seasonal abundance of IMS concerned only *Ae. albopictus* in low numbers. In 2017, all MDs will be fully installed and the IMS surveillance in the selected points will continue.