



LIFE + Environment Policy & Governance

ANNEX A.1.3

Deliverable A.1: Report of the current state of the problem targeted in Greece and Italy

September 2014

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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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	Benaki Phytopathological Institute (Coordinating Beneficiary)
	Agricultural University of Athens
	Azienda Sanitaria Locale Cesena
	Azienda Unità Sanitaria Locale Ravenna
	Centro Agricoltura Ambiente “G.NICOLI” S.R.L.
	NCSR Demokritos
	ONEX S.A.
 	Regione Emilia-Romagna Public Health Service
	TERRA NOVA Environmental Engineering Consultancy Ltd.
	Urban Environment and Human Resources Institute of Panteion University

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The current report presents the methodology followed for the implementation of Action A.1: Current State of the problem targeted, of the LIFE CONOPS Project as well as preliminary results of samplings and bioassays on mosquitoes. The expected deadline for this deliverable is the 30th of June 2014.

The scientific team which is involved in Action A.1 and contributed to the development of the current report is:

Name	Expertise	Beneficiary
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
Dimitrios Papachristos	Entomologist, PhD	
Georgios Koliopoulos	Entomologist, PhD	
Dimitris Kontodimas	Entomologist, PhD	
Panagiotis Milonas	Entomologist, PhD	
Georgios Partsinevelos	Agriculturalist / Technician, MSc	
Kyriaki Machera	Toxicologist, PhD	
Angeliki Stefopoulou	Agronomist, PhD / Scientific secretariat	
Athanasia Mandoulaki	Agromonist, MSc / Scientific secrerariat	
Evangelos Badieritakis	Entomologist, PhD	
Dimitra Markogiannaki	Agronomist, BSc	
Diana Venturini	PH specialist (Veterinarian)	Azienda Unità Sanitaria Locale Ravenna Via Fiume Montone Abbandonato, 134, 48121, Ravenna, Italy Tel.: +39 0544 286856 Fax: +39 0544 286875 diana.venturini@ausl.ra.it www.ausl.ra.it
Paola Angelini	Biologist / Entomologist	Regione Emilia-Romagna Public Health Service Viale Aldo Moro 21, 40127 Bologna (BO), Italy Tel.: +39-051-5277024 Fax: +39-051-5277063 pangelini@regione.emilia-romagna.it http://www.saluter.it
Romeo Bellini	Medical entomologist	Centro Agricoltura Ambiente “G.NICOLI” S.R.L. Via Argini Nord 3351, 40014 Crevalcore (BO), Italy Tel.: +39-051-6802211
Alessandro Albieri	Information Specialist	
Marco Carrieri	Senior Entomologist	

		Fax: +39-051-981908 rbellini@caa.it http://www.caa.it/entomology
Vasilios Pasiias	Senior Engineer, PhD	ONEX S.A. 87, Kon. Palaiologou St., Chalandri, 15232, Greece Tel.: +30-210-4310218, +30-210-6085648 Fax: +30-210-4310875 fkaraikos@onexcompany.com www.onexcompany.com
Konstantinos Georgiou	Professor	Agricultural University of Athens Iera Odos 75, Athens 11855 Tel.: +30 201 529 4247, +30 210 529 4246 sehar@aua.gr www.aua.gr
Sofia Koulocheri	PhD Chemist	
Petros Roussos	Assistant Professor	
Claudio Venturelli	Entomologist	Azienda Sanitaria Locale Cesena via Moretti, 99 – 47023 Cesena Tel.: +39 0547 352068 Fax: +39 0547352058 cventurelli@ausl-cesena.emr.it www.ausl-cesena.emr.it
Carmela Matrangolo	Biologist	

SUMMARY

BACKGROUND: The aim of this Action was the description of the current state of the problem targeted regarding invasive mosquito species in Greece and Italy.

RESULTS: In this framework results are presented concerning the temporal and winter monitoring system set up in Greece by using ovitraps as well as results dealing with human bait collections. The BPI team also collaborated with HCDCP/KEELPNO investigating a confirmed case of dengue fever in Athens, Greece. The baseline situation about invasive mosquito species (IMS) in some Italian areas is presented along with results concerning the established winter monitoring system based on ovitraps operating in Italy. Finally, results correlating adult mosquito collections with BG-Sentinel and egg collections with ovitraps in Italy are given and discussed, whereas an analysis of the risk of imported cases related to mosquito-borne diseases is also carried out.

CONCLUSIONS: According to the findings of the winter monitoring system with ovitraps, the Port of Piraeus is an eligible point of entry of IMS in Greece. Especially for Greece this was the first time that in all the important points of entry in Attica Region a mosquito surveillance program is conducted. From the preliminary results, except the Port of Piraeus, Athens International Airport (AIA-El. Venizelos) and Attiki Odos (area close to AIA) were chosen for further entomological surveillance in Actions B. Moreover, collaboration between the BPI and HCDCP / KEELPNO was established for the entomological surveillance of the imported case of dengue fever in Greece. For Italy the baseline was employed for seeking potential areas of establishment of two new IMS (*Aedes japonicus* and *Aedes koreicus*). As regards mosquito-borne diseases, about 80 % of the imported cases in Italy concerned people with travel history in the Caribbean territory.

Important Note: The current Annex contains information about the entomological surveillance for mosquitoes carried out in several areas of Greece, where dengue and chikungunya cases had been recorded. The surveillance was conducted in collaboration with HCDCP / KEELPNO and the National School of Public Health, and includes all sampling methods used and the number of eggs or adults of *Aedes albopictus* collected from each sampling site. Therefore, [this document contains confidential information.](#)