

Work Package Activity Number: (WP2a) Training visits of MCM's young researchers to international partner institutions

Dates: September 28nd – October 9th, 2015.

Working days: 10 (10 from Lovcen)

Address:

University of Novi Sad

Faculty of Agriculture,

Department of Phytomedicine and Environment Protection

Laboratory for Medical and Veterinary Entomology

Novi Sad, Serbia

Person responsible (trainer): Dušan Petrić: dusanp@polj.uns.ac.rs

Attendees: Ljiljana Pajović and Igor Pajović

WP where the training visit topic belongs: WP2

TRAINER REPORT

Purpose of the Training Summary

Short synopsis: Training in identification of mosquito species using classical and computer aided identification keys; sampling techniques; mosquito sampling and sample conservation; invasive mosquito surveillance and mosquito vector sampling for virus detection. Training in writing of scientific papers.

This short course was based on advanced lectures on the principles and common classical taxonomy, biology and morphology of mosquitoes, techniques for identification of larvae and adult specimens to genera and species level, techniques for sample storage and conservation, but most crucially provided hands-on practical aspects both in the laboratory and in supervised usage of classical and computer aided identification keys to familiarize the participants with an array of morphological features essential for taxonomy studies. At the end of this course, participants have upgraded their skills to analyze, interpret and present their own results in a professional manner.

One paper, "First record of *Anoplophora glabripennis* (Coleoptera: Cerambycidae) in Montenegro", was written and prepared for publication.

Course aims*: The aims of this course were five-fold allowing participants to: (a) improve understanding of the principles of mosquito taxonomy, specimen acquisition, specimen identification (both with specimens sampled by trainer and with their own specimens) and preservation for both morphology and integrated systematic studies; (b) get further experience in using identification keys; (c) master the mosquito sampling and sample conservation; d) update on state-of-the-art of the vector and invasive mosquito surveillance techniques; e) be able to choose most appropriate sampling technique according to environmental factors, purpose of sampling and cost benefit estimation.

*[Note: the course is designed to be flexible, and be extended when needed through hosting institution in kind contribution.]

Equipment Used: Participants had access to all necessary laboratory equipment/consumables, computers and library (contribution in kind).

Podgorica, 15.10.2015.

mr Ljiljana Pajović

dr Igor Pajović