

MNE-HERIC-81180-LOVCEN			
Surveillance of invasive and native mosquito vectors and pathogens they transmit in Montenegro			
WP:		Date:	10/09/2016

Report about study visit and trainees in the laboratory of Medical and Veterinary Entomology Department, Centro Agricoltura Ambiente "G.NICOLI", Crevalcore (Bologna, Italy)

As we planned in the "training plan and the procurement plan" for this research year (framework of the mobility of researchers, LOVČEN project, HERIC), on 12 to 16. September 2016, I was realized study visit and training in the laboratory of Medical and Veterinary Entomology Department, Centro Agricoltura Ambiente "G.NICOLI", Crevalcore, Bologna, Italy. Training was included introduction with laboratory and staff, professional employed scientists - researchers, specific methods of work in the laboratory as well as participation in everyday activities which professional staff (researchers and technicians) conducted within the designated time period.

At the beginning of the training, Dr. Romeo Bellini as host and mentor, introduced me with institution, Centro Agricoltura Ambiente "G.NICOLI", Medical and Veterinary Entomology Department, their projects and work possibilities. He manages with professional and friendly team who leads dr Arianna Puggioli. Dr Puggioli had introduced and presented methods of laboratory work on the project of mosquitoes. Also, I had the opportunity to introduce professional literature which they use in their daily work.

In addition to the theoretical part, the training was followed by a high quality practical training and independent work that related to the separation of entomological material collected for the purposes of monitoring mosquito species which could be an important vector of many arboviruses including yellow fever and dengue. I had separated specimens of *Aedes albopictus* using binocular microscope and professional literature ("mosquito keys"). Results of counting specimens of *Aedes albopictus* I had puted in the specific and database for further processing.

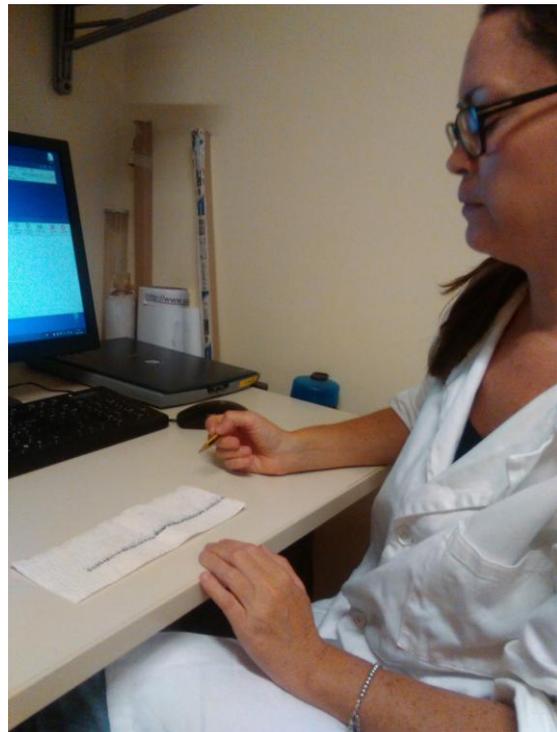
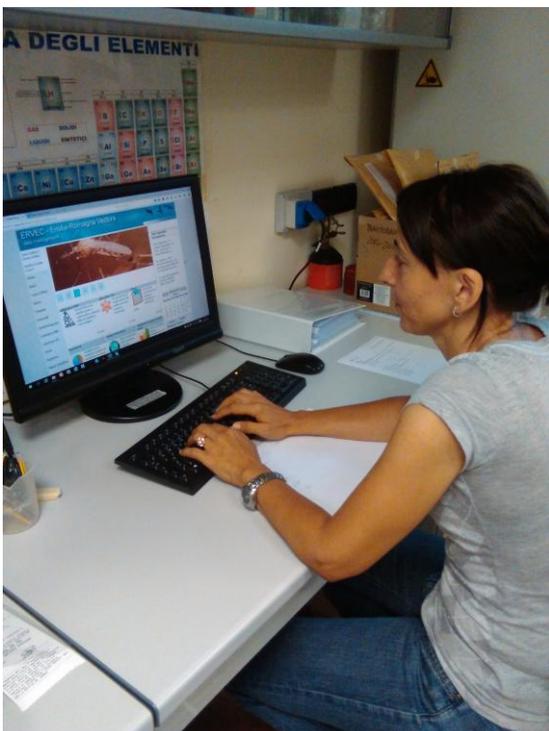
My practical training was concerned to get to knowledge of the method of counting eggs mosquito species of *Aedes albopictus* which is cultivated in laboratory on very controlled conditions (from eggs to adults). Males of this species, in the stage before adults (pupae) are sterilized and as adults released into nature as a form of its intensive control (pilot project Italy and Germany) respectively to control the number of individuals in nature.

At the hospital, S. Anna Hospital in Ferrara, in the Medical Physics Department, I had the training about methods of sterilization of males pupae of *A. albopicta* and participated in the preparation of samples for sterilization.

We discussed about ideas and initiatives for future cooperation institutions which are included in LOVČEN project; to the mutual pleasure, we will present to our partners the idea

Biotechnical faculty - Podgorica

about realization of scientific and educational exhibition about mosquitoes and LOVČEN project in Podgorica, in Montenegro, to 2017.



Laboratory work in Centro Agricoltura Ambiente "G.NICOLI" (Crevalcore, Bologna) included separation of specimens of *A. aedes* from entomology samples, removing adults from the box for breeding mosquitoes, work on database, eggs counting, etc.



Dr Arianna Puggioli and me in laboratory of the S. Anna Hospital in Ferrara, sterilization of male pupae.

Contributions: travel order, invoices for accommodation and fuel

Researcher:

Dr Snežana Dragičević

S. Dragičević