

## COST Action CA 17108 1<sup>st</sup> Training Course

### Harmonising *Aedes* invasive mosquito (AIM) surveillance across Europe

Akrotiri Environmental Education Centre, Akrotiri, Cyprus

13 - 17 January 2020

**Organisers & Trainers:** Frederic Bartumeus, Romeo Bellini, Alessandra della Torre, Filiz Gunay, Kelly Martinou, Sabine Meurrens, Miguel A Miranda, Dusan Petric, Francis Schaffner, Willy Wint  
**Local organising team:** Kelly Martinou, Joanna Angelidou, Kamil Erguler, Marlen Vasquez, Chris Taylor

#### Day 1 (Monday 13th)

Depart from Pefkos hotel at 0830

0900 – 0915 Registration at Akrotiri Environment Centre

0915 – 0945 Welcoming addresses

0945 – 1000 Introduction to AIM-COST action CA17108 (Francis)

1000 – 1100 Understanding bio ecology of AIM – Introduction to harmonised surveillance in 2020 season. “Why harmonise”? Goal of sampling study (Miguel)

1100 – 1130 Coffee break

1130 – 1200 Mosquito sampling outlines – eggs (Francis)

1200 – 1230 Mosquito sampling outlines – larvae (Francis)

1230 – 1300 Mosquito sampling outlines – resting adults (Filiz)

1300 – 1400 Lunch

1400 – 1430 Mosquito sampling outlines – host seeking adults (Miguel)

1430 – 1530 Introduction to Mosquito Alert. Translating Mosquito Alert App (Frederic)

1530 – 1600 Introduction to VecMap (Sabine & Francis)

1600 – 1700 Introduction to the sampling site and sampling history in Akrotiri; Larval Sampling; Mosquito Alert & VecMap (Kelly, Frederic, Sabine, Francis)

#### Day 2 (Tuesday 14th)

0900 – 1000 Field sampling larvae in natural (marshes) and artificial habitats. Practical demonstration of data input in Mosquito Alert & VecMap (Kelly, Francis, trainees and local high school pupils).

1000 – 1100 How to standardise your data for uploading to VectorNet database practical example (ECDC site Mosquito maps) (Francis)

1100 – 1130 Coffee break

1130 – 1230 Morphology and identification of larvae and adults – theory (Francis)

1230 – 1330 Lunch

1330 – 1445 Identification of larvae and adults (MosKeyTool) – theory (Filiz)

1445-1500 Coffee break

1500 – 1700 Identification practice of AIM larvae (Filiz, Francis, Miguel)

20:00 Group Dinner in Limassol at Karatello tavern in Limassol

#### Day 3 (Wednesday 15th)

0900 – 1000 Introduction to Molecular techniques including Maldi Tof (Filiz, Francis)

1000 – 1100 Sampling Adult mosquitoes with dry ice traps (Kelly, Filiz, Francis)

1100 – 1130 Coffee break

1130 – 1300 Identification practice of AIM adults (Filiz, Miguel)

1300 – 1400 Lunch

1400 – 1500 Identification practice of AIM adults (Filiz, Miguel)

1500-1515 Coffee break

1515– 1700 Field sampling adults and larvae, setting up the dry ice baited traps (Filiz, Miguel)

Depart from Akrotiri Environment centre at 1700 and return to the hotel

#### Day 4 (Thursday 16th)

0900 – 1100 Collecting the dry ice baited traps and larvae (Filiz, Miguel, Dušan)

1100 – 1130 Coffee break

1130 – 1230 Using ovitraps for AIM surveillance – case report Emilia Romagna – (Romeo)

1230 – 1330 Lunch

1330 – 1430 Identification practice of larvae and adults sampled (Filiz, Miguel, Dušan)

1430 – 1500 Outlines of data analysis, mapping and modelling (Willy)

1500 – 1600 Dataset structure, Data values and sampling requirements (Willy)

1600 – 1630 Communicating with stakeholders (Willy)

Depart from Akrotiri at 1630

1800 – 2030 Everything you wanted to know about mosquitoes! Dare to ask!

Raising awareness event at Cyprus University of Technology, Tasos Papadopoulos building, Amphitheatre 1 (All, coordinated by Kelly and Marlen)

#### Day 5 (Friday 17th)

0900 – 0945 Harmonised surveillance in 2020 season (All)

0945 – 1030 Harmonised surveillance in 2020 season -Modelling Citizen science data Frederic-Results from Mosquito Alert leaflet reviews

1030 – 1100 Coffee break

1100 – 1200 Harmonised surveillance in 2020 season Discussion and planning the harmonised surveillance in 2020 season (All trainers + local team + trainees) including Mosquito Alert

1200 – 1300 Harmonised surveillance in 2020 season Preparing the protocol and network

procedures for the harmonised surveillance in 2020 season (Compare classical mosquito collection methods with citizen science techniques (All trainers + local team + trainees))

1300 – 1400 Lunch

1400 – 1430 Quiz – (All trainers + local team + trainees)

1430 – 1500 Training nuggets: 1-minute for each participant to expose one precious thing they have learned (All)

1500 – 1600 Evaluation of the training, closing presentation (All)

### End of Training School

Looking forward to the beginning of the Harmonised Surveillance scheme!!