

Current status on ovitraps vs HLC (AIM-APSE)

Dušan Petrić

*University of Novi Sad, Faculty of Agriculture, Centre of Excellence One Health –
Vectors and Climate, Novi Sad, Serbia*

Equipment for egg and adult sampling was provided to the participants to standardise the AIM-APSE experiment in 2022 (supported by Locimica, CAA, IAEA and UNSFA)



2000
ovitrap
+
2,500
Masonite
plates
+
20
aspirators

For AIM-APSE, we aimed to correlate the number of *Aedes albopictus* eggs collected with the same ovitraps and the number of flying adults collected by the HLC method.

VECTOR-BORNE DISEASES, SURVEILLANCE, PREVENTION

Aedes albopictus (Diptera: Culicidae) Population Size Survey in the 2007 Chikungunya Outbreak Area in Italy. II: Estimating Epidemic Thresholds

M. CARRIERI,¹ P. ANGELINI,² C. VENTURELLI,³ B. MACCAGNANI,¹ AND R. BELLINI^{1,4}

J. Med. Entomol. 49(2): 388–399 (2012); DOI: <http://dx.doi.org/10.1603/ME10259>



From eggs to bites: do ovitrap data provide reliable estimates of *Aedes albopictus* biting females?

Mattia Manica^{1,2}, Roberto Rosà², Alessandra della Torre¹ and Beniamino Caputo¹

¹ Dipartimento di Sanità Pubblica e Malattie Infettive, Laboratory affiliated to Istitut Pasteur Italia – Fondazione Cenci Bolognelli, Sapienza University of Rome, Rome, Italy

² Dipartimento di Biodiversità ed Ecologia Molecolare/Centro Ricerca e Innovazione, Fondazione Edmund Mach, San Michele all'Adige, Italy

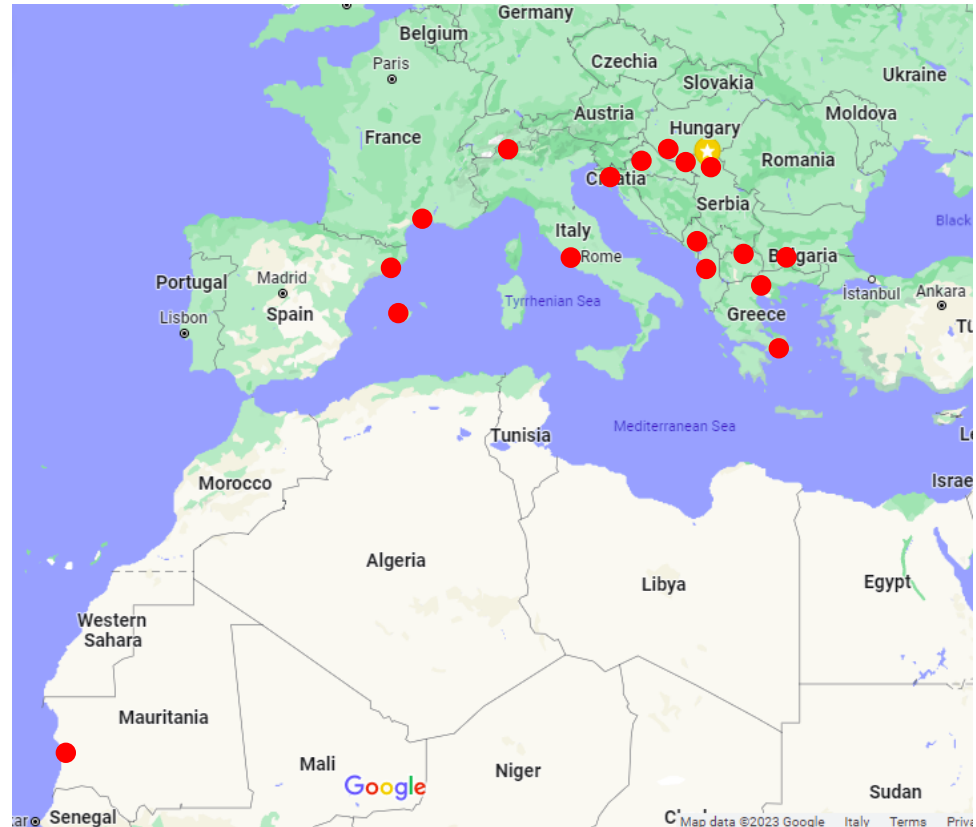
The challenge was heroic. One or two persons needed to sample adults weekly during 6-8 months.

Before starting, all the groups involved obtained ethical consent.

17 groups from 13
countries

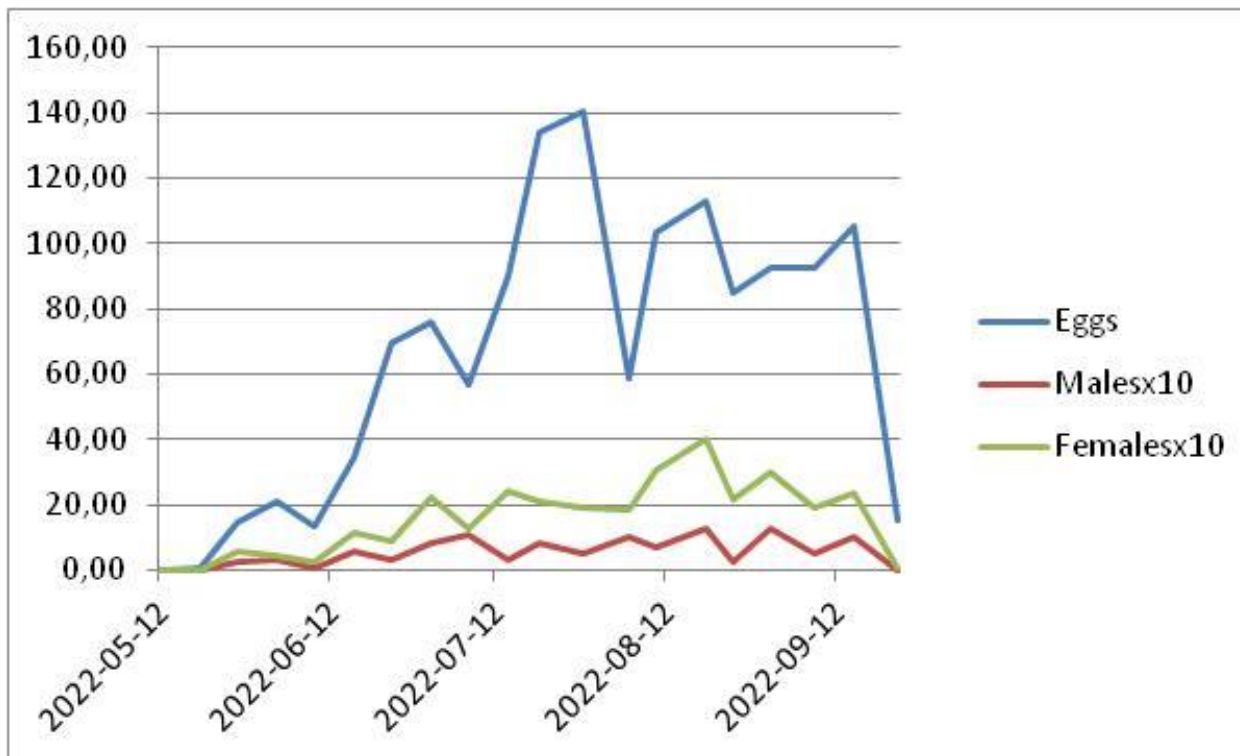
May - December

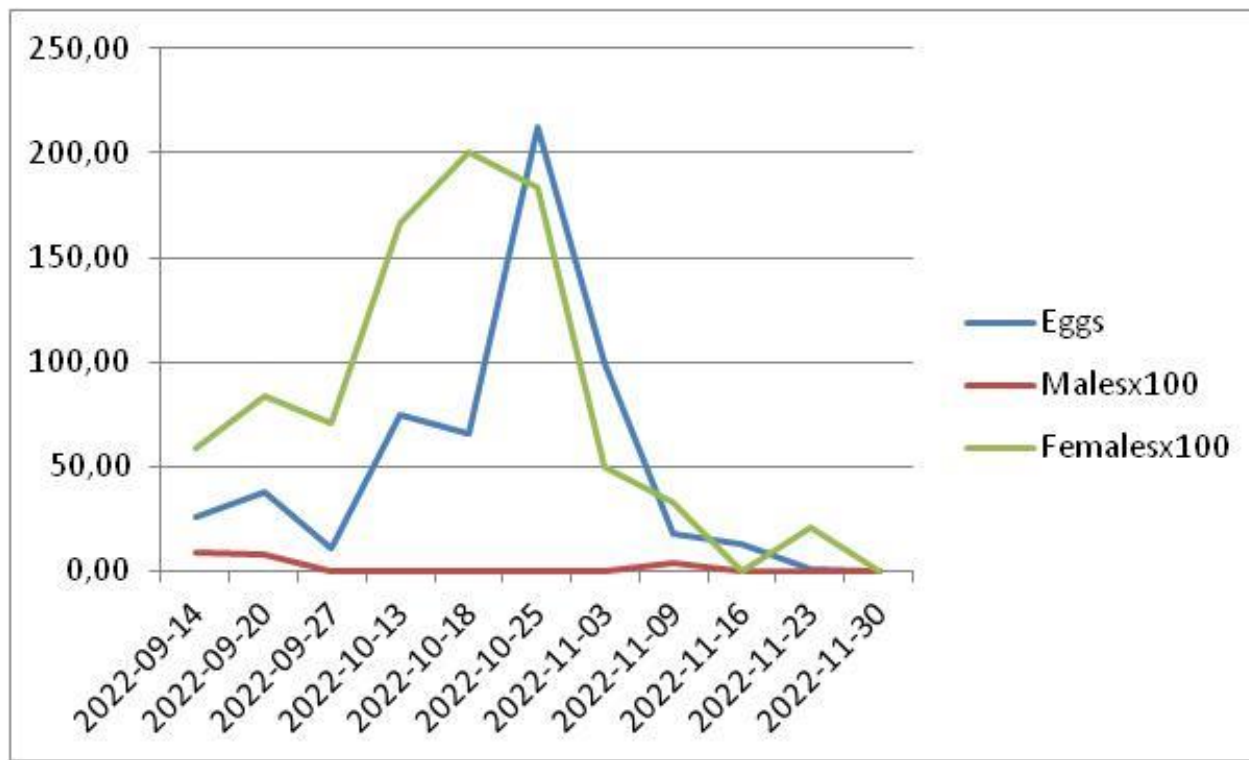
~ 8,336 data pairs



Montpellier 2022







And if we succeed in correlating the number of biting females with the number of eggs, we will provide an innovative, cheap and reliable tool for estimating the epidemiological risk.

A 3D rendered text 'THANK YOU' in a bold, orange, blocky font is positioned in the center of the image. The background is a dark, textured tunnel that leads to a bright, sunlit exit. Two silhouetted figures are walking away from the viewer towards the light at the end of the tunnel. The overall mood is one of hope and gratitude.

THANK YOU