

MedilabSecure (WP3) – Newsletter n°22 – July 2020

Dear network members,

The Covid-19 crisis affects a lot of our activities. Most, if not all, of our respective resources are committed in this undesirable event. Furthermore, Medical Entomology is not belonging to the scientific disciplines on the front line for fighting the pandemy. However, to keep you updated of what's going on within the MediLabSecure project (medical entomology), here is few information.



NEWS FROM MLS.ENTOMO

> **Training "Vector control" / 14-25 September 2020 in Valencia, Spain.** The Covid-19 outbreak made this training just impossible to organize. Today, the visibility on this training is low and make difficult the coming decision between a pure cancelation and a postpone next year.

> **MosKeyTool / New version V2.2.** A new version of MosKeyTool - interactive identification key for mosquitoes of Euro-Mediterranean - is available. This version V2.2 is already accessible with this link [XXXXXXXXXX](#), and it will be soon available on the MediLabSecure website. By regard to Version 2.1, the Version 2.2 corrects some bugs and imprecisions and updates the area of distribution, especially for invasive species. Thank you Filiz Gunay !

> **MosKeyTool / French version.** Francophones can now download the latest MosKeyTool (V2.2) in a French version [XXXXXXXXXX](#). A big thank you to Jean-Baptiste Ferré, French entomologist working at EID Med (Entente Interdépartementale pour la Démoustication du littoral Méditerranéen), that translated the tool on a voluntary basis.

> **MosKeyTool-Sahel.** Its young brother MosKeyTool-Sahel, interactive identification key for mosquitoes of Sahel, is also running smoothly thanks to El Hadji N'Diaye (Post Doc in the Entomology lab, Institut Pasteur Dakar). The comprehensive list of species in the 8 Sahel countries (Cap Vert, Mauritania, Senegal, Gambia, Mali, Burkina Faso, Niger and Chad) encompasses 220 species. By comparison, MosKeyTool (Western Palaeartic) encompasses 132 species.

> **PhlebKeyTool.** Its cousin PhlebKeyTool, interactive identification key for Phlebotomine sand flies of Euro-mediterranean, is at an advanced stage thanks to the Turkish lab team. Unfortunately, travel restriction hampered the quick development of the tool.

> **Simplified key for identifying the 7 major mosquito vectors in Europe, North Africa & West Asia.** This [key](#) has been developed mainly by Pr. Dusan Petric (University of Novi Sad, Serbia). It re-used several factsheets previously produced during MediLabSecure 1 and developed two new ones (*Aedes vexans* and *Culex modestus*).

ENJOY READING

> [The mosquitoes of Armenia: review of knowledge and results of a field-based survey with the first report of *Aedes albopictus*.](#) Paronyan L et al, 2020

A landscape of Armenian mosquito biodiversity, with special look at *Aedes albopictus*, the new invader.

> [Climate and urbanization drive mosquito preference for Humans](#). Rose et al, 2020

Why *Aedes aegypti* is so much Human attracted?

> [SARS-CoV-2 failure to infect or replicate in mosquitoes: an extreme challenge](#). Huang et al, 2020

Why mosquito are not vectors of Sars-CoV-2?

All the previous entomo newsletters are available on the [MediLabSecure website](#).

Best regards,

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