

## MedilabSecure (WP3) – Newsletter n°18 – June 2019

Dear network members,

To keep you updated of what's going on within the MediLabSecure project (medical entomology), here is few information.



### NEWS FROM MLS.ENTOMO

> **Collecting mosquitoes for External Quality Assessment (EQA).** We are waiting for you and your mosquitoes in the Kick-off Meeting ! June is perfect time for mosquito fieldwork.

Reminder of the request:

- 30 adult mosquito specimens, male or female, in good state of preservation, pin-mounted and labelled, with the following mentions: name of the species, localisation, date, name of the person that collected and identified the specimen. Ideally these adults should be from the same species. Any species is welcome but please avoid the much frequent ones (e.g. *Culex pipiens*, *Aedes albopictus*).

- 30 larva mosquito specimens, in alcohol 70-80%; labelled, with the same mentions than adults. Here again, in good state, all specimens belonging to a unique species not too much frequent. The tube must be full of alcohol, with the lowest possible bubble of air (to avoid damages during transportation). Stage 4 is preferable.

> **WP3 Entomo activities.** Here is an [overall figure of the objectives and activities of the medical entomology group \(WP3\)](#) for the second phase of the MediLabSecure project. We will discuss in more detail during the Kick-Off Meeting.

> **Upcoming trainings/workshop in 2019.** In response to your needs and requests, 2 trainings are planned for 2019:

1) training on vector biology and surveillance (mosquito, ticks, simuliid) in Sept 2019, Univ. Novi Sad, Serbia, for Balkans and Black Sea countries;

2) training on mapping vector-borne diseases, using Qgis/ArcGis in October 2019, Pasteur Institute of Algeria, for Mediterranean countries.

3) a 2-day workshop with the Sahelian entomo labs, in order to identify the specific capacity-building needs of the region, will be held in the last days of October 2019, Institut National de Santé Publique, Burkina Faso.

> **PhlebKeyTool.** Short news from the PhlebKeyTool team, led by Bulent Alten, that work hard on the development of this new tool. List of species (54 Phlebotomus, 32 Sergentomyia, total 86 species), species distribution per country (Euro-Mediterranean +

Arabic peninsula + Iran), criteria and architecture matrix have already been completed. PhlebKeyTool should be available in 2020.

> **Medical entomology in video (in French).** The [Medical entomology video in motion design](#) has just been translated into French!

### **MEDILABSECURE IN SHORT**

> **New labs from Sahel country.** MediLabSecure has broadened its scope and adapted its geographic coverage area to have a geographic continuum and a complementarity of biological situations. In this framework, the network has been extended to new laboratories and national Public Health Institutes in five Sahel countries (Burkina Faso, Mali, Mauritania, Niger and Senegal). The list of selected labs is available on the [MediLabSecure website](#).

> **Kick-Off Meeting.** The MediLabSecure Kick-Off Meeting will be held in Institut Pasteur in Paris, France on July 2nd-3rd, 2019. More information on the agenda very soon.

> **Animal virology in video.** A [new video in motion design](#) presents the key role of animal virology in the fight against vector borne diseases.

> **Human virology newsletter.** To keep connected with human virology activities, the [newsletter from the human virology group of MediLabSecure](#) just published.

### **ENJOY READING**

> [Field sampling methods for mosquitoes, sandflies, biting midges and ticks, VectorNet project 2014-2018](#), Jolyon Medlock, Thomas Balenghien, Bülent Alten, Veerle Versteirt, Francis Schaffner, 2018

> [Efficacy-testing of traps for control of Aedes spp. mosquito vectors](#), WHO, 2018

> [First field evidence infection of Culex perexiguus by West Nile virus in Sahara Oasis of Algeria](#), Benbetka et al., 2018

> [Larval predation in malaria vectors and its potential implication in malaria transmission: an overlooked ecosystem service?](#), Olivier Roux and Vincent Robert, 2019

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