



Pan American
Health
Organization



World Health
Organization

REGIONAL OFFICE FOR THE Americas



Meeting of the external evaluation group of New Technologies (EG) for the *Aedes* *spp* control.

Regional Entomology Program in Public Health and
Vector Control
Pan American Health Organization/PAHO
World Health Organization/WHO

5th to 6th December 2017
Washington DC

Meeting of the external evaluation group of New Technologies (EG) for the *Aedes spp* control.

Local: Washington

Date: 5th to 6th December 2017

1. Background

The Technical Advisory Group on Entomology in Public Health and Vector Control (TAG PHEVC), which advises the Director of the Pan American Health Organization, prepared the following recommendation to PAHO on the topic of new control of *Aedes spp*: **"Encourage the rapid, robust and accelerated evaluation of new and complementary tools for the control of *Aedes spp*, with particular attention to the use of mosquitoes infected with *Wolbachia* bacteria, and the technology of genetically modified insects. This supported by the creation of alliances to ensure technical cooperation and adequate financial support for this purpose.**

Based on the above, PAHO / WHO created the external and independent evaluation group (EG), made up of experts on various topics related to the evaluation of new technologies for entomological surveillance and vector control, such as: entomology, vector control, insecticides for use in public health, monitoring and evaluation of studies, epidemiology and other topics that are identified as necessary through the Entomology Program in Public Health and Vector Control.

This technical group will have the task of collaborating with PAHO / WHO in the epidemiological and entomological evaluation, as well as in the evaluation of the impact of the work processes derived from the use of new technologies (for the control of *Aedes spp*.) in areas and pilot projects. The results of the evaluations will serve as a basis for issuing recommendations and improving the technical support that the Organization will provide to countries that eventually plan to implement the routine use of new technologies. This technical support will include, among its primary functions, the

coordination of strategic actions and the development of technical recommendations, based on the best available scientific evidence, to support the development of pilot studies in the countries.

Therefore, PAHO / WHO has decided to organize the first meeting of the EG to address and analyze several topics related to this topic, and are described below.

2. General Objective

Update to EG members on the state of the art of new technologies for the control of *Aedes spp*.

3. Specific Objectives

- Update the members of the EG on the current situation of the main pilot studies of new technologies for the control of *Aedes spp*, currently under development in the Americas.
- Discuss a proposal for the "operational evaluation instrument" of pilot studies of new technologies.
- Elaborate a schedule of technical visits for the evaluation of pilot studies in the countries and the capacity to implement (the studies) that these countries may have or need.

4. Expected results:

- EG members updated on the state of the art of existing new technologies for vector control; and the main studies that on new technologies for the control of *Aedes spp*, are being developed in the region of the Americas.
- Revised and validated operational tool.
- Schedule of technical evaluation visits elaborated.

5. Agenda

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(Open Session)

Schedule	5th, December 2017	Speaker
08:30 - 09:00	Reception and registration of participants	
09:00 - 09:15	Opening session	Dr Marcos Espinal Director of CHA PAHO/WHO
09:15 - 09:30	Presentation of the participants, goals, methodologies and agenda	Luis Gerardo Castellanos – PAHO/WHO
09:30 - 10:00	Regional Entomology Program in Public Health and Vector Control: progress and challenges	Haroldo Bezerra PAHO/WHO
10:00 - 10:30	Perspectives of the World Health Organization on the use of new technologies for the control of <i>Aedes spp.</i>	Raman Velayudhan - WHO
10:30–11:00	Coffee break	
Open Session: New technologies for the control of <i>Aedes spp.</i> : state of the art and pilot projects under development in the region of the Americas		
11:00 - 11:30	Using <i>Wolbachia</i> : Eliminate Dengue Project	Jorge Osorio/Luciano Moreira - Eliminate Dengue Project
11:30 – 12:00	Baseline studies for the large-scale release of mosquitoes with <i>Wolbachia</i> in Yucatan / Mexico	Zhiyong Xi- Michigan State University
12:00 – 12:30	Update on USA autocidal <i>Aedes</i> field trials, including regulatory activities	Stephen Dobson – MosquitoMate
12:30 - 13:00	Discussion	
13:00 – 14:00	Lunch	
14:00 - 14:30	Sterile Insect Technique (SIT): Perspectives for use in the region of the Americas	Rui Cardoso Pereira - International Atomic Energy Agency

14:30 – 15:00	<i>Aedes</i> release technique with dominant lethal gene: The Oxitec Project	Simon Warner -Oxitec
15:00 - 15:30	The use of the piryproxifen disseminator stations	Sérgio Luz / Oswaldo Cruz Foundation
15:30 - 16:00	Discussion	
16:00 - 16:30	Coffee break	
16:30 - 17:00	Conclusions of the first day	
17:00	Closure	

Time	6th, December 2017	Speaker
Open Session: Regulatory aspects for the use of new technologies		
08:30 – 09:00	Use of transgenic <i>Aedes aegypti</i> in Brazil: risk perception and assessment	Paulo Paes de Andrade/ Federal University of Pernambuco
09:00 – 09:30	Discussion	
09:30 - 10:20	Instrument for the evaluation of pilot studies of new technologies: draft document	Hector Gomez-Dantez/ National Institute of Health Mexico
10:20–10:40	Coffee break	
10:40 – 12:00	Discussion	
12:00 – 12:15	Closing of the open session	Luis Gerardo Castellanos – PAHO/WHO Haroldo Bezerra - PAHO/WHO

Meeting of the external evaluation group of New Technologies (EG) for the *Aedes spp* control

(Closed session)

Time	6th, December 2017	
Closed session : Members of the External Evaluation Group (EG) and PAHO Secretariat		
14:00 – 17:00	Evaluation of the meeting Suggestions to the proposed evaluation instrument Planning of activities	Coordinate by one of EG member
17:00	Closing of the meeting	Luis Gerardo Castellanos – OPS/OMS Haroldo Bezerra – PAHO/WHO