



International Training Course on Malaria Vector Surveillance for Elimination (MVSE)

Overview

Vector control is the single most effective intervention for achieving a reduction in malaria transmission. Such vector control must be underpinned by a thorough understanding of which vector species are present in a particular area, relative abundance of the various species, breeding site preference, feeding and resting behavior, insecticide susceptibility, data management, data interpretation, all of this then integrated into an effective vector control plan. Each of these elements requires knowledge and skills for effective data sourcing, processing and application, without which vector control programmes would be wasteful and misdirected, or even completely ineffective. APMEN uniquely adds value to such capacity gaps which often occur in NMCPs, to achieve optimized levels of vector control surveillance which is the foundation for vector control interventions.

Our focus



Morphological identification



Applying GIS for vector mapping



Field sample collection



Insecticide susceptibility assays



Insectary Methods and colony management

‘Entomologists play a key role in the national malaria program. Having specifically trained at [MVSE Training Program](#), it allows the entomologists within the National Department of Health as well as in our research arm a step forward for PNG as this will highlight the interest and substantiate the importance of the entomological information produced in the vector surveillance movement towards vector-borne disease control and elimination in my country.’”

Ms. Naomi Vincent, Vector Borne Disease Surveillance Officer, National Department of Health, Papua New Guinea

Module 1: Introduction and context

Module 2: Malaria Vector Biology and Identification

Module 3: Basic GIS for Vector Mapping

Module 4: Sampling and Processing Malaria Vectors

Module 5: Mosquito Identification using bench aids and pictorial keys

Module 6: Insectary and Mosquito Colony Management, Use of Colony Material





Impact

30 Field-based, early and mid-career entomologists from Asia Pacific (Myanmar, Cambodia, Vietnam, Laos, Thailand, Philippines, Nepal, Bhutan, Bangladesh, China, India, Pakistan, Afghanistan, Sri Lanka, Malaysia, Indonesia, Republic of Korea, Vanuatu, Solomon Islands, and Papua New Guinea) gained intensive exposure to malaria vector control methodologies by way of comprehensive lecture, lab-based, field-based hands-on training by an international entomological expert team.



Contact

For more information about this course, please contact to APMEN VCWG coordinators – Dr Leo Braack (l.braack@malariaconsortium.org) and Dr. Htin Kyaw Thu (h.thu@malariaconsortium.org)