



## **PILOT PROJECT (2026-2027): Pacific Vector Control Commodities Stockpile**

This pilot project supported by the PacMOSSI consortium with funding from the Australian Government will help Pacific health ministries (or relevant authorities) access priority mosquito control commodities more rapidly during arboviral outbreaks, while testing the feasibility of a regional model for long-term sustainability based on country experiences.

### ***Why is a stockpile needed?***

A significant dengue outbreak occurred across the Pacific in 2025 with at least 10 Pacific Island Countries and areas (PICs) affected, and outbreaks have already been declared in several PICs in 2026. With increasing global transmission of dengue and other arboviral diseases such as chikungunya, ongoing outbreaks in the Pacific region are likely. Mosquito control is essential to prevent, contain, and control arboviral outbreaks. While malaria-endemic PICs benefit from established supply channels through existing programs, access to *Aedes*-specific vector control commodities remains a critical gap due to small and unpredictable demand, long freight times, import delays, and limited storage capacity.

A Pacific regional stockpile, located within DFAT's Humanitarian Logistics Centre in Brisbane, would pre-position priority items such as insecticides, application equipment, and personal protective equipment to improve access when arboviral outbreaks occur. This pilot will test whether a regional stockpile model can improve the speed, reliability, and overall responsiveness of outbreak mosquito control in the face of these constraints, and help inform the development of a sustainable regional model.

### ***What will the stockpile include?***

The stockpile will include selected priority commodities for outbreak response, with base stock to be determined through consultation with Pacific health ministries during the inception phase of the pilot project. Likely commodity types include:

- Quality-assured insecticides (residual sprays, larvicides) of multiple classes to support insecticide resistance management
- Application equipment (sprayers, mist blowers)
- Personal protective equipment (respirators, gloves, coveralls)
- Environmental safety and spill response kits

### ***What other support will be provided?***

PacMOSSI will continue to provide technical support to Pacific health ministries to identify appropriate mosquito control interventions, products, quantities and deployment approaches for outbreak response. In-country technical assistance may also be provided to support training, safe implementation, and community education and engagement.

### ***What are the timelines for the pilot project?***

- **Mid 2026:** Consult with countries to define priority needs, clarify the process for accessing the stockpile, and formulate a base stock list.
- **Late 2026:** Commence procurement of base stock. Commence review of country requests. ***Begin to deploy stock to Pacific health ministries for outbreak response.***
- **Early 2027:** Continue to procure and deploy stock in line with priorities. Consult with countries that have accessed the stockpile to determine utility and preferences.
- **Late 2027:** Refine stockpile pilot model for sustainability based on country and partner feedback.

### ***What is PacMOSSI?***

PacMOSSI is a regional partnership of 21 Pacific Island Countries and areas with 7 international institutions working to combat mosquito-borne diseases throughout the Pacific. It comprises a series of initiatives coordinated by James Cook University in collaboration with The Pacific Community (SPC). PacMOSSI receives support from the Australian Government through the Partnerships for a Healthy Region initiative, and from the French Government, the New Zealand Government and the European Union through SPC.

### ***Where to access more information?***

For further information on the stockpile pilot project, please contact [pacmossi@jcu.edu.au](mailto:pacmossi@jcu.edu.au)

For further information on PacMOSSI, please see [www.pacmossi.org](http://www.pacmossi.org)