



PACMOSSI



PacMOSSI Buzz #4

19 March 2026



**A warm PacMOSSI welcome,
for 2026!**



Agenda

1. General updates
2. Vector control products regulatory landscape
3. Potential vector control supplies stockpile



PACMOSSI Quarterly Buzz #4

When: Thurs 19th March @ 12-1pm (Suva time)

Where: Zoom (link in calendar invite)

What: Brief update & **hot topic**



Vector control commodities & improved access in the Pacific

- Vasanthan John Paul (IVCC)
- Matt Shortus (JCU)



Team updates



Annual meeting

UPDATE

- Mon 8 June: PacMOSSI SAG and core partner meeting
- **Tues 9 & Wed 10 June: PacMOSSI annual meeting**
- Thurs 11 June: Pacific Vector Network annual meeting
- Planned for Nadi, Fiji
- “Plan and watch” given the current international travel situation

ACTIONS

- Save The Date
- Send nomination to pacmossi@jcu.edu.au
- Consider what to present



ANNUAL MEETING



Online course

UPDATE

Coming soon:

- Module 9: Advanced Program Management (10 units)

Planned:

- Vector Control Operations (and SOPs)
- Vector Control in Arboviral Outbreaks

ACTIONS

- Register or log in to Moodle
- Complete any remaining modules of interest
- Look out for our email on the new module



ONLINE COURSE



Practical training

UPDATE

- To be hosted by Papua New Guinea Institute of Medical Research
- To be held Madang, PNG in late 2026
- Anticipate 1 attendee per country

ACTIONS

- All will be requested to provide feedback on proposed scope/agenda during Annual meeting



PRACTICAL TRAINING



Mentoring program

UPDATE

- Round 2 mentees selected (10) and will be informed shortly
- Monthly sessions to start April and end by Sept (6 months)
- Round 1 mentees invited to submit EOI to present in PacMOSSI session at *2nd Asia-Pacific Conference on Mosquito and Vector Control* in Thailand in August

ACTIONS

- Round 2 invited mentees to respond to invitation ASAP
- Round 1 mentees to submit EOIs by this Friday



MENTORING PROGRAM



Mosquito surveillance

In 2025: Niue, Samoa, Solomon Islands

In 2026-2027: mosquito surveillance to be conducted in 7 additional PICs to improve data on insecticide resistance, species distribution and breeding habitats

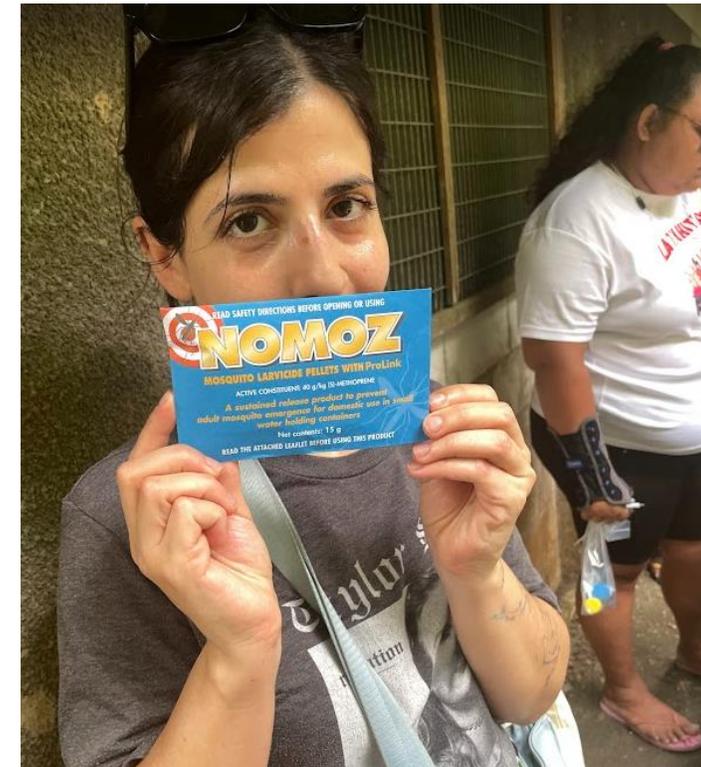


Check out our PacMOSSI Impact video from Samoa:
<https://youtu.be/gJFOF7RRrRY?si=dMIpJzlb0gjBe9i2>



Operations research

In late 2026-2027: we will soon reach out to seek participation in multi-country operational research to improve understanding of what vector control strategies work best in different PICs



In-country technical support

Ongoing: continue to send any requests for support through to pacmossi@jcu.edu.au



Data management

Live Demo: new Tupaia vector surveillance forms

Please join us **next Thursday, 9am Australian EST** for a LIVE demonstration on how to use the updated Tupaia forms recently developed.

Our host:

Geoff Fisher

Project Manager

Beyond Essential Systems

Contact: pacmossi@jcu.edu.au
for the zoom link



Potential vector control stockpile

UPDATE

- Based on the experience with dengue outbreaks in 2025, looking into options for a **Pacific regional stockpile** for priority VC supplies
- In the process of developing a proposal and identifying support

ACTIONS

- We request your feedback to help shape the proposal



VECTOR CONTROL STOCKPILE





Vasanthan Paul John
19/03/2026

Regulatory Landscape - Vector Control Products in PICs

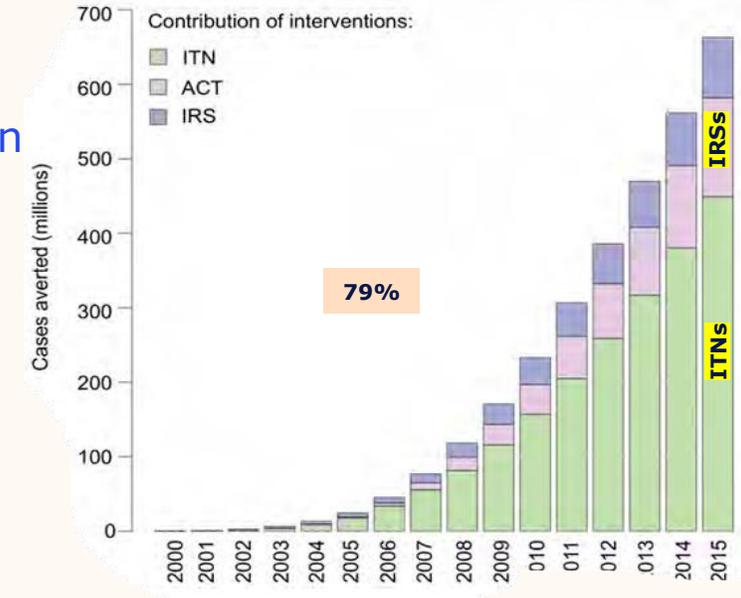
Importance - Landscape - Harmonization

Public



Importance of Pesticide Regulations in Vector Control

- Vector borne diseases remain major public health challenges in the world, including in the Indo Pacific region
 - 282 million cases – increase 9 million cases – 80 malaria endemic countries#
 - Increase in incidence in PNG, Solomon Islands and Vanuatu#
- Vector control products play an important role in reducing disease burden
 - VCTs contribution to disease reduction is ~80%
- Regulation is key to effective vector control programs
 - 74% of VBD endemic countries rely on WHO recommendations
- Robust pesticide regulations ensures:
 - Safety to humans and the environment
 - Efficacy against target vectors
 - Quality assurance and standardization
 - Prevent substandard or counterfeit products
- Strong, trusted systems sustain program success and public confidence

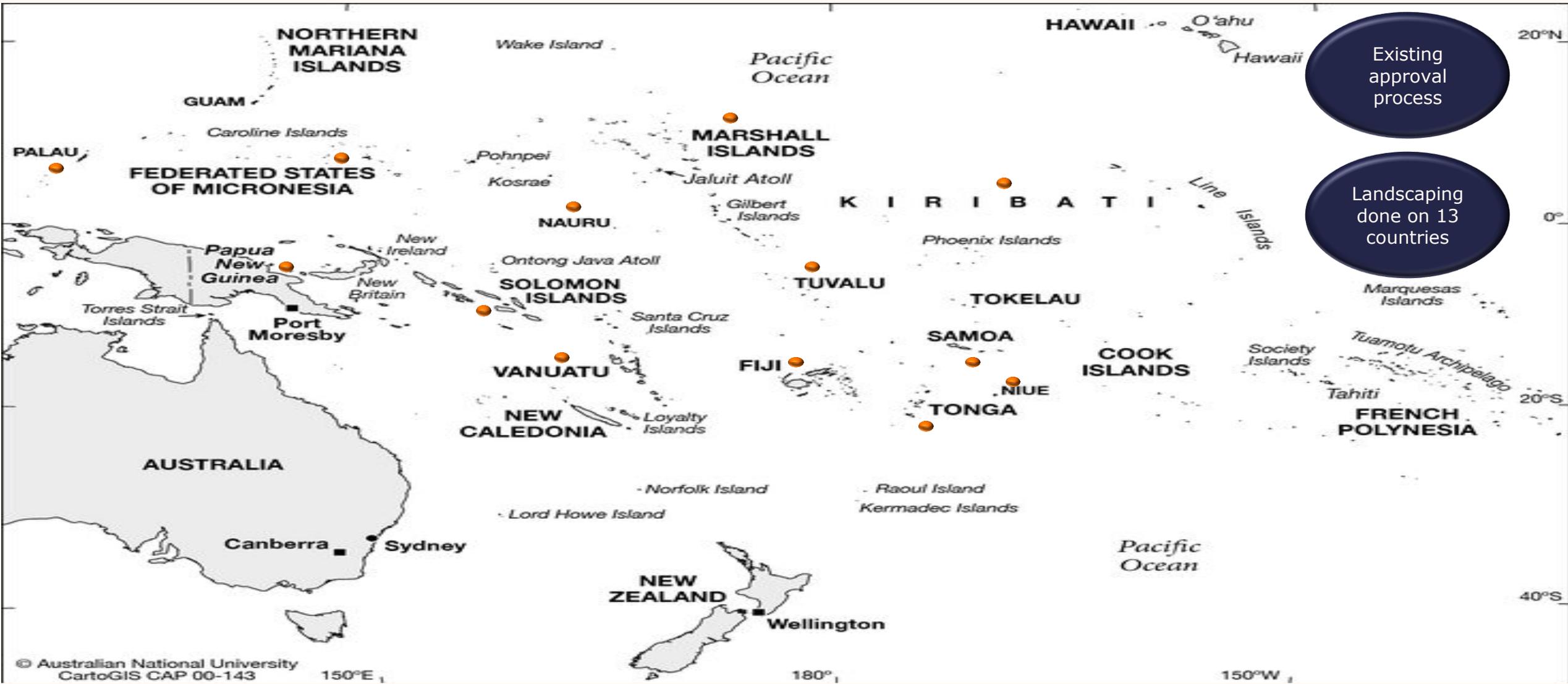


Bhatt, S., Weiss, D., Cameron, E. *et al.* The effect of malaria control on *Plasmodium falciparum* in Africa between 2000 and 2015. *Nature* **526**, 207–211 (2015). <https://doi.org/10.1038/nature15535>

World Malaria Report, 2025

Strong regulatory systems are essential to ensure that vector control tools are safe, effective and trusted

Regulatory landscaping in Pacific Island Countries



Regulatory challenges

- Diverse regulatory frameworks across countries – Structured vs. fragmented
 - Regulatory authority, guidelines and the data requirements are not clearly defined
 - MoA, MoH, MoE involved in regulating pesticides
 - Regulations are created for Ag. Use category
- Capacity constraints in technical expertise and institutional capacity
 - Limited capacity and infrastructure to conduct testing
 - Delays in access to innovative and effective vector control tools – emergency use
- Weak post registration monitoring and regulatory enforcement
 - Monitoring of registered pesticide for quality and label claims – poor quality
 - Entry of counterfeit and substandard products
- Lack of harmonized regulatory standards and data requirements
 - Ambiguity on the acceptance of regional data for regulatory approval
 - Less motivation amongst suppliers to register products for repetitive processes
- Rising operational and resistance related challenges
 - Availability of resistance data enabling proper choice of VCPs



Delays in approving new vector control tools can limit public health responses to emerging disease outbreaks

Strengthening Regulation for better vector control

- Driving Regional Harmonization of Pesticide Regulation:
 - Promote regional harmonization of pesticide regulations and technical guidelines (Common guidelines, unified regulatory process, mutual acceptance of data, joint reviews)
- Accelerate approvals through Regional and WHO alignment
 - Increase alignment with SPC PRPRP and WHO CRP – Expedite approvals of effective VCTs
- Aligning National Programs with Global standards
 - Encourage Programs / NRAs to align with international standards (e.g., WHO guidelines & evaluation schemes, WHO specifications)
- Strengthening Collaboration for Monitoring and Resistance Management
 - Collaborate to support post registration monitoring systems, exchange of information, resistance management and safe use practices
- Ensuring sustainable and responsible pesticide use
 - Sustainable and responsible pesticide use in vector control programmes – Stewardship in safe disposal of pesticides

Strengthened regulatory systems enable safe, effective and timely deployment of VCTs across Indo Pacific

Outcomes

- Accelerates access to innovation – shared regional framework expedites approvals
- Reduces duplication of effort – Mutual recognition of data avoids repetition
- Enhances quality assurance – Common technical standards ensure high quality, effective and safe products
- Improves public health protection and outbreak preparedness – Harmonized emergency authorization enables faster deployment during disease outbreaks
- Builds trust and collaboration – Better transparency and confidence among governments, suppliers, donors and communities

Our values

Partnership

We believe in the power of partnership, collaboration and teamwork.

Innovation

We embrace ideas that drive vector control innovation, deliver impact and save lives.

Respect

We value diversity and treat each other with respect.

Gates Foundation

 UK International
Development
Partnership | Progress | Prosperity

**Australian
Aid** 

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development
and Cooperation SDC



Building Partnerships, Creating Solutions, Saving Lives

Discussion



Thank you for joining!

