



PACMOSSI



PacMOSSI Buzz #5

27 August 2026



Agenda

1. General updates
2. Demo of Tupaia features
3. Stockpile updates



PACMOSSI Quarterly Buzz #5

When: Thurs 27th August @ 12-1pm (Suva time)

Where: Zoom (link in calendar invite)

What: Brief update & **hot topic**



- *Demo of new Tupaia features - Geoff Fisher*
- *Stockpile updates - Matt Shortus*



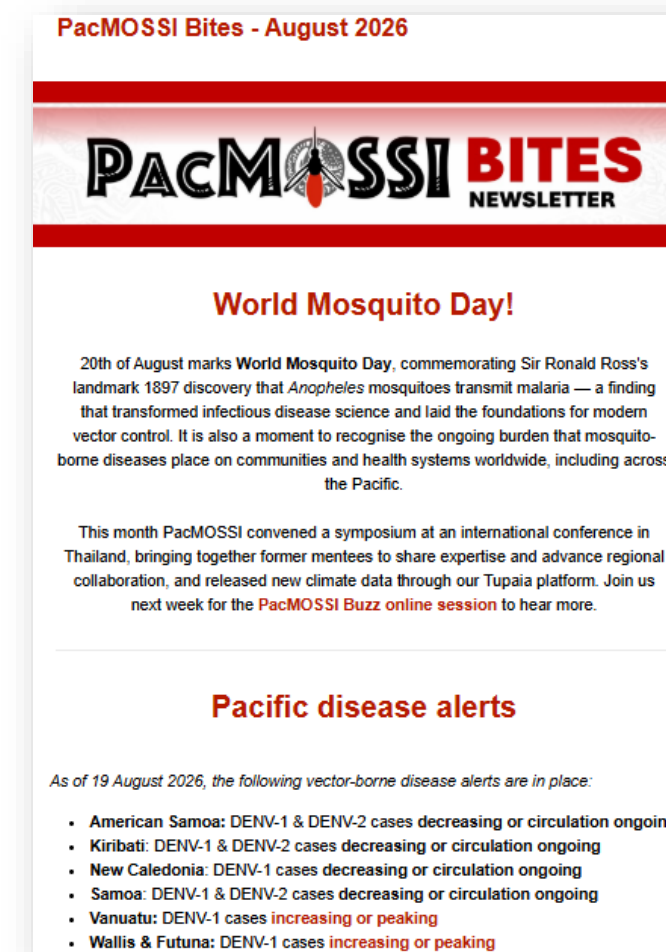
Communications

UPDATE

- PacMOSSI Bites newsletter now sent out monthly

ACTIONS

- Email us if you are not receiving these newsletters



Practical workshop

UPDATE

- **9 – 13 November 2026**
- Madang, Papua New Guinea (hosted by PNG Institute of Medical Research)
- 1 nominee per country - must be staff involved in implementing VC

<https://pacmossi.org/event/pacmossi-workshop-aedes-vector-control-implementation/>

ACTIONS

- Email for nominees sent from PacMOSSI on 25 August - need names by **18 September**
- Nominee must complete PacMOSSI Module 9 by **23 October**



PRACTICAL TRAINING



Online course

UPDATE

Coming soon:

- **Module 9: Implementing *Aedes* vector control (5 units)**
- Module 10: Advanced Program Management (10 units)

Planned:

- 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



Operations research

UPDATE

Topic 1: Community acceptability of Aedes mosquito control interventions

ACTIONS

- Watch video and presentation
- Submit Expression of Interest by **11 September**



<https://pacmossi.org/event/operations-research-opportunity/>



Climate Data in Tupaia





NEW FEATURE

Climate data now lives inside Tupaia for every PacMOSSI country.

Sourced from Weatherbit

BES holds a Weatherbit subscription that streams live data into Tupaia automatically, refreshing once a day with no manual work needed.

One view per country

Rainfall, humidity and temperature are available for every PacMOSSI partner country, ready to sit alongside local mosquito surveillance data.



What data is available

- Rainfall — daily observations and forecasts
 - Humidity — daily observations and forecasts
 - Temperature — daily observations and forecasts
 - Refreshed automatically once a day via BES's Weatherbit subscription
-

Seeing it in Tupaia

Map overlays

Rainfall, humidity and temperature appear as map overlays for each PacMOSSI partner country.

Country dashboards

The same data rolls up into country-level dashboards alongside other Tupaia indicators.

Paired with vector data

Climate layers can sit alongside mosquito prevalence data collected through Tupaia forms.

Why it matters

1 Understand climate–prevalence patterns

Historical rainfall, humidity and temperature data lets us test whether conditions such as heavy rainfall are associated with the mosquito prevalence recorded through routine vector surveillance.

2 Plan control activities around the forecast

Climate forecasts help decide when and where to run vector control — for example, avoiding insecticide spraying on days when rain is forecast, since it reduces the spray's effectiveness.

BES 2026

bes

Thank you

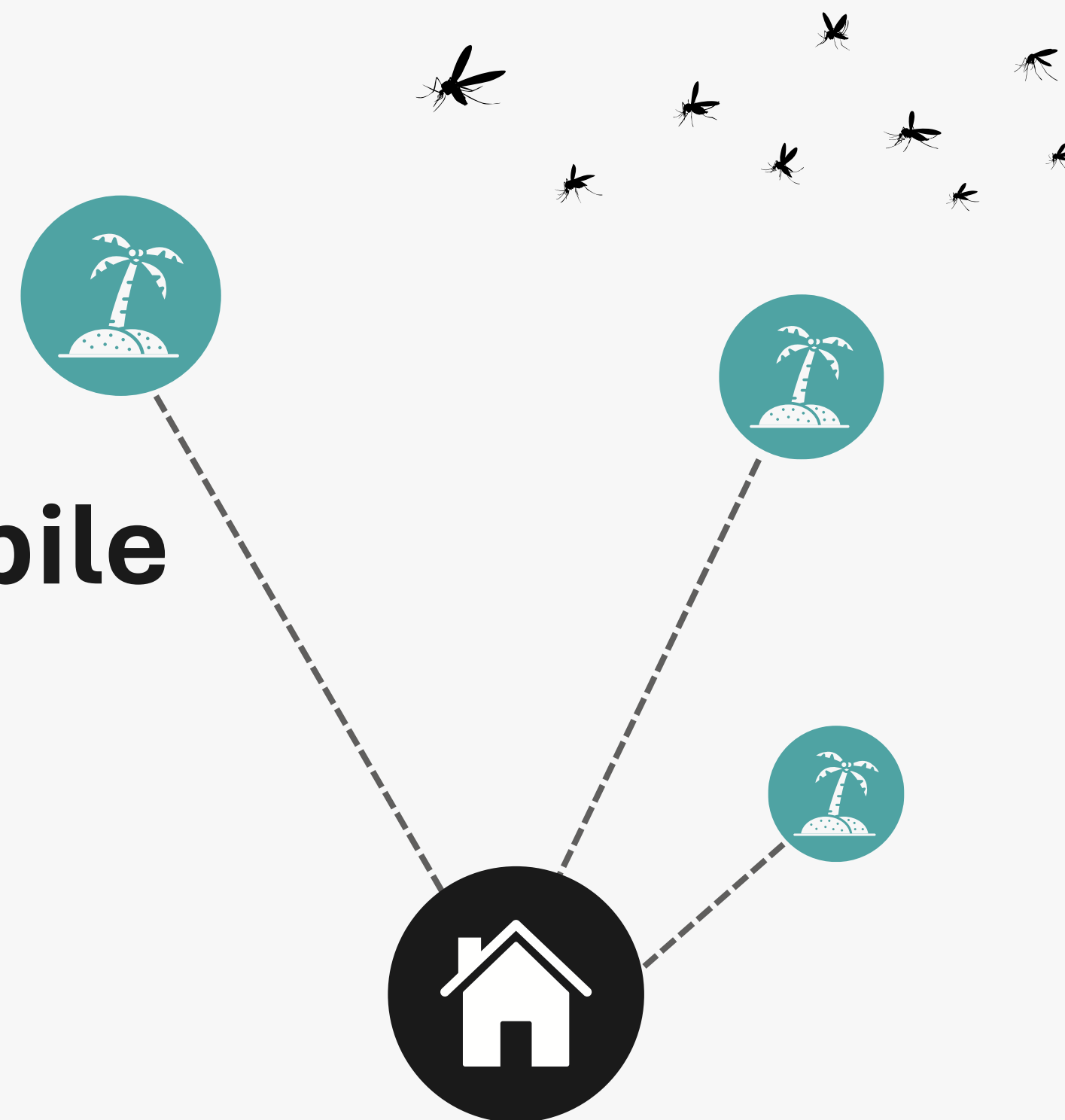


www.bes.au

Pilot Project: Pacific Vector Control Commodities Stockpile

Operational Model & Priority Products

A pre-positioned reserve of vector control commodities,
ready for rapid deployment across the Pacific.



ONE STOCKPILE • REGIONAL REACH

Why a stockpile?

Structural barriers routinely delay vector control response

Small markets and high freight costs make it hard for Pacific Island Countries to source commodities quickly once an outbreak begins.



High freight costs



Complex importation



Short shelf-life



Few local suppliers

A pre-positioned stockpile enables rapid mobilisation, easing strain on health systems.

Target diseases: dengue, chikungunya & Zika

Roles & governance

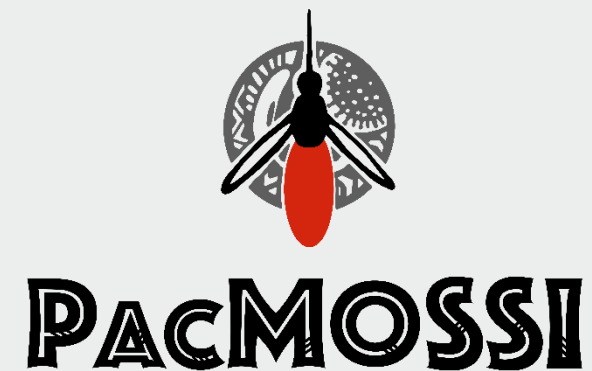


Three partners, one shared operating model



FUNDER & POLICY LEAD

- Strategic oversight
- Regional coordination
- Financing



TECHNICAL ADVISOR

- Technical guidance (SOPs, deployment notes, training, advice)
- Procurement specifications
- Regional resistance tracking



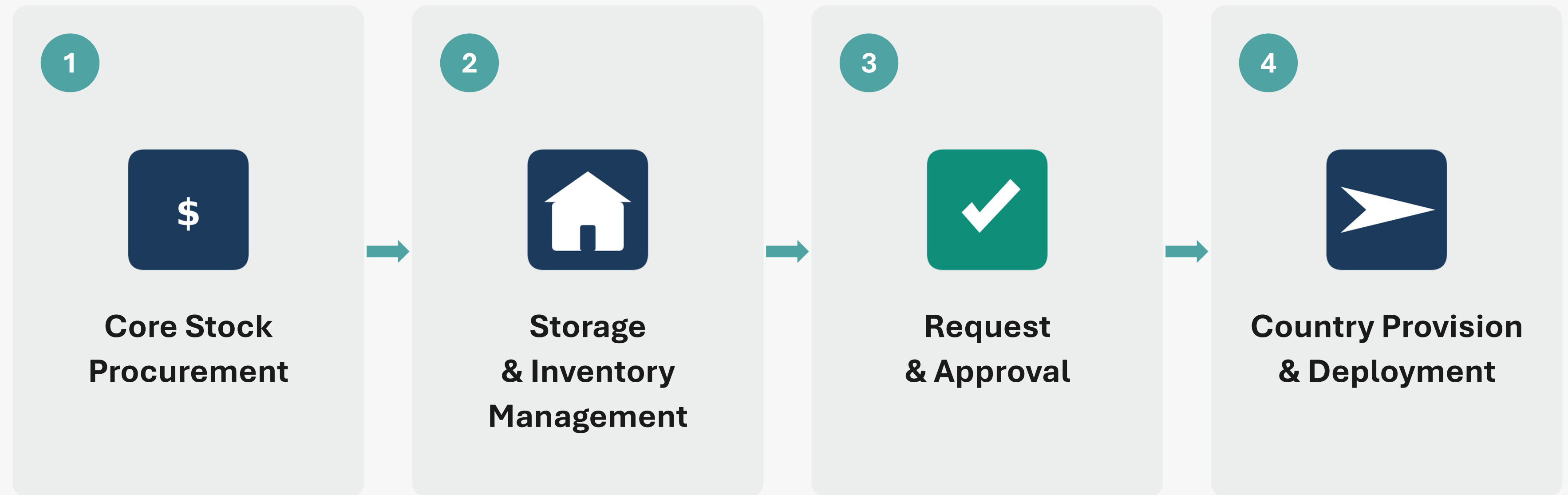
PIC Health ministries

BENEFICIARIES

- Requests for support and commodities
- Local implementation
- Outcome reporting

Four pillars, one pipeline

Supported by the Humanitarian Logistics Centre (HLC)



Insecticide & larvicide commodities

Built for resistance management



Two IRS products and two larvicides with different modes of action



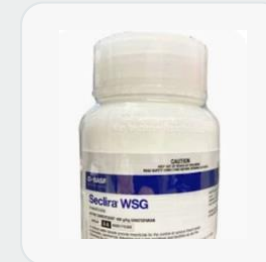
Demand 100 CS

Indoor Residual Spray (IRS)

Active ingredient Lambda-cyhalothrin

Mode of action Pyrethroid

Application 10L per 200 m² wall surface



Seclira WSG

Indoor Residual Spray (IRS)

Active ingredient Dinotefuran

Mode of action Neonicotinoid

Application 5–10L per 100 m² surface



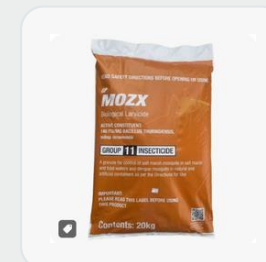
Biopren 4GR

Larvicide

Active ingredient S-methoprene

Mode of action Growth Regulator

Application 4g per 10 m² of water



GP MozX Mosquito

Larvicide

Active ingredient Bti (bacterial)

Mode of action Biological

Application 1g per m² for containers

Equipment & safety commodities

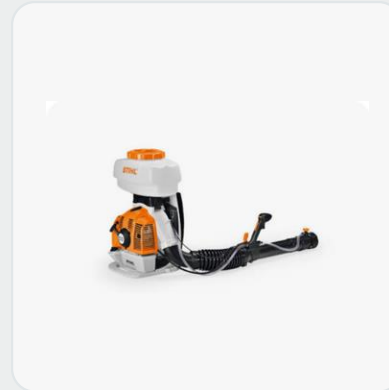
For field application, protection and environmental response



Goizper VC Sprayer

APPLICATION EQUIPMENT

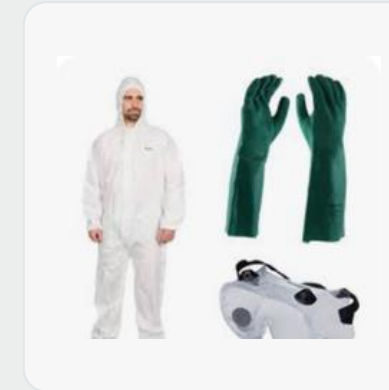
Backpack knapsack sprayer with manual pump & hand lance, for application of indoor residual spraying (IRS).



STIHL Mistblower

APPLICATION EQUIPMENT

Motorised backpack mistblower for application of residual insecticides to exterior surfaces



PPE Kit

SAFETY EQUIPMENT

Respirator, gloves, coveralls, goggles, boots.



Environment Kit

SAFETY EQUIPMENT

Hazchem spill response & containment.

Storage & inventory

Feasible within current Humanitarian Logistics Capability (HLC)



Hazardous Chemicals

Bundled pallets, segregated by compatibility.

Meets WHS Schedule 11



Segregated by hazard class

Dangerous-goods and general commodities are stored and tracked separately, sized to baseline demand.



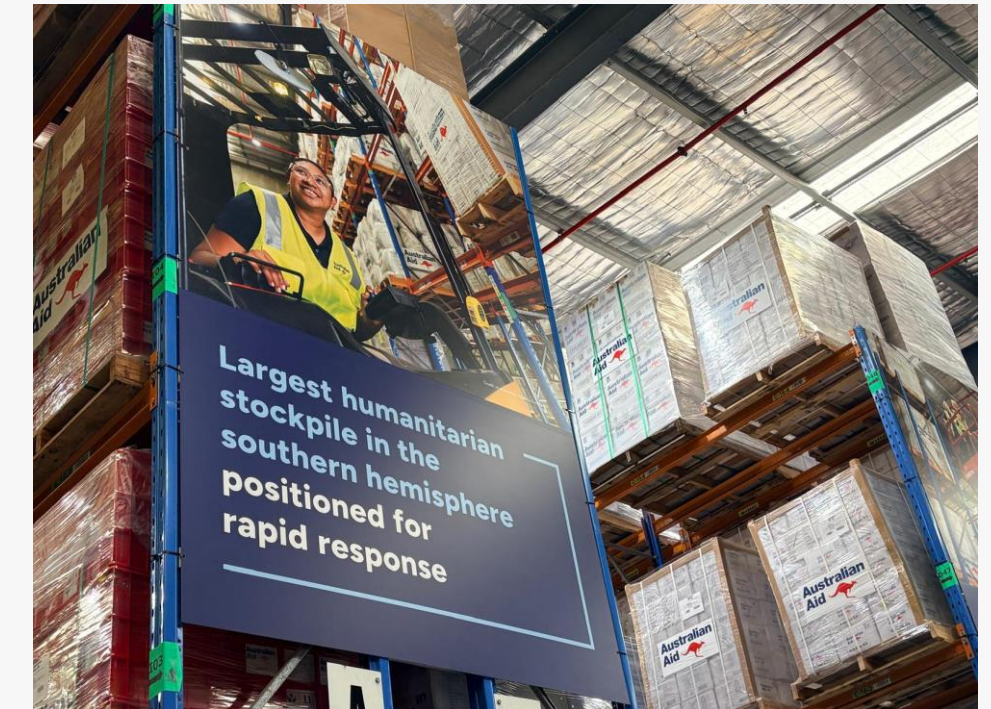
Equipment Storage

Standard pallet racking



PPE & Consumables

Standard high-density locations.



How a deployment request moves

From outbreak declaration to activated logistics

< 72 HRS target



AUSTRALIAN GOVERNMENT

- Final approval authority
- Deployment authorisation

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- Technical review & validation
- Product recommendation

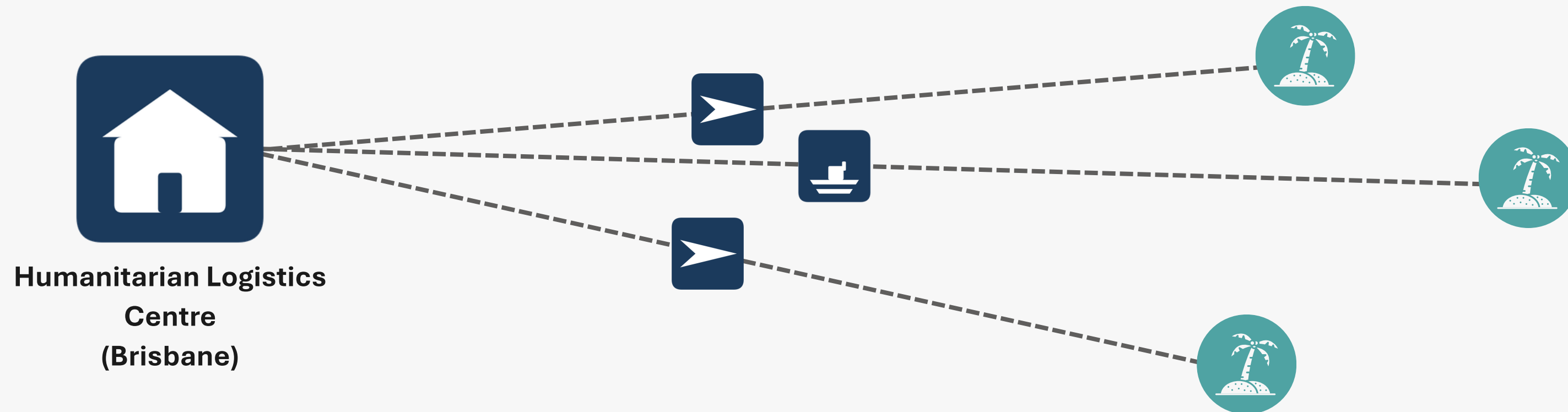
PICS

- Outbreak declaration
- Customs clearance

From warehouse to outbreak response

A bridge to any Pacific Island Country's short-term response

PACIFIC ISLAND COUNTRY, ON REQUEST



International shipping

Air or sea freight



Customs clearance

Import permits & waivers



In-country distribution

Local warehousing



Training

Application protocols

12-month rollout (January – December 2026)

Pilot project launch to full operational capability



Success metrics & next steps

How we'll know it's working, and what's needed next (below indicators are still being discussed & developed)



<72 hrs

Target deployment time
(from finalized request)



95%+

Stock availability



100%

Quality compliance



85%+

Partner satisfaction

IMMEDIATE NEXT STEPS

- Finalise warehouse agreements
- Establish governance structure
- Finalise core & alternative product list

- Engage Pacific Island partners
- Initiative procurement
- Develop technical guidance notes

Thank you for joining!

