



# Kyeema Foundation

Food Security and income for  
villages in PNG through  
village chicken rearing, coral  
gardening and mangrove  
replanting



# Kyeema History

- Our main ongoing challenge: How do we sustainably improve the livelihoods of the poorest people in the world?
- How did we get involved in PNG?
- Rotary involvement – started in 2018 thanks to Chris Muir!

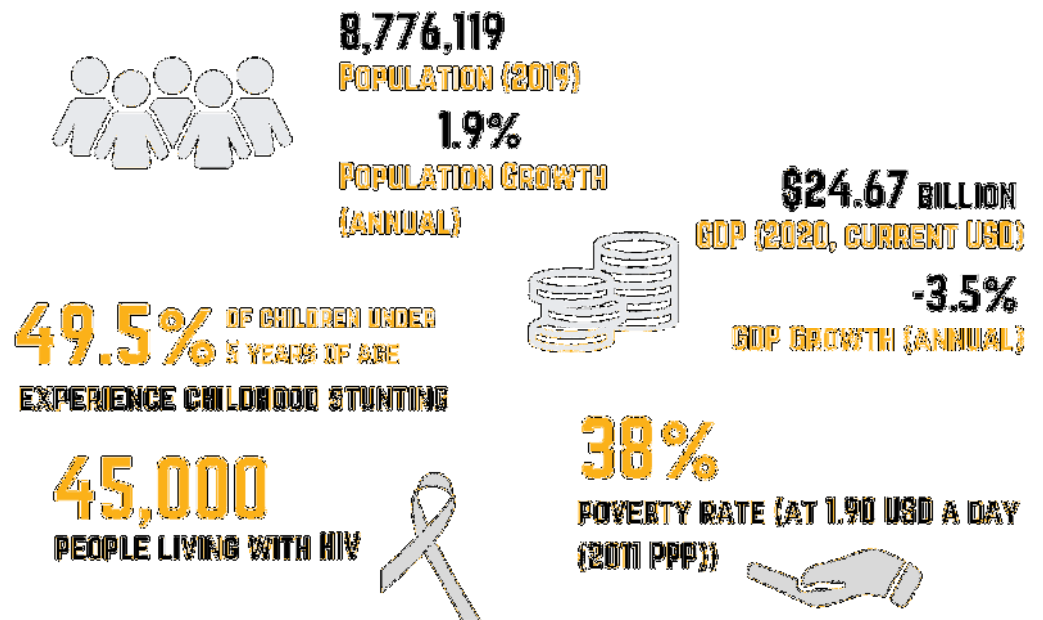
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# Why Papua New Guinea?

Around 80% of the population of PNG live a subsistence existence.

Their traditional bush and ocean food sources have been reduced by climate change, environmental damage, seismic activity and social problems.

Childhood stunting rates are 49.5%, the fourth highest level in the world.



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# Why chickens, corals and mangroves?

## Village chickens:

- Provide an affordable protein source to rural communities
- Create/supplement rural incomes
- Reduce pressure on coastal fisheries
- Empower women

## Coral Gardens and mangroves:

- Restoration of rapidly declining coastal fish habitats
- Protect coastal shores from erosion
- Support sustainable fishing

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# Rotary's support for Kyeema

## 2019/20

- Established a village chicken farm for Haus Pikinini in Wau, Morobe Province, a community home that looks after 30 children who have no-one to provide for them.

## 2020/21

- Set up a village chicken “Master Farmer” in Gabagaba village, Central Province, Kopse Airi.
- Provided 30 farmers with two chickens and a rooster and a roll of chicken wire to set up a basic chicken shed, after completing training in village chicken keeping.

## 2022/23

- Purchased a boat engine to support our Master Trainer Coral Gardener, Kevin Egu, to monitor his coral nursery and train other communities in coral gardening techniques.

## 2023/24

- Set up a program in Kavieng, which commenced in March 2024 for village chickens and coral gardening.

## 2024/25

- Training/monitoring visit to Kavieng in August 2024.

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# Kavieng activity

## Our Partner

John Aini,  
*Ailan Awareness*

(<https://www.youtube.com/watch?v=l-rpwWY2ReY>)



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# March 2024 activities

- Working with “Ailan Awareness”, a local conservation NGO based in Kavieng
- Initial community consultations and awareness raising with local community members in Kaselok village in Kavieng, and also Metevoi and Lovongai villages in New Hanover District
- Set up “Master” village chicken farm in Metevoi
- Set up coral nursery using “heat tolerant” coral methodology
- Over 80 community members involved

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# **Ailan Awareness Association Kaselok village, Kavieng**

**Training Centre**



**Student accommodation**



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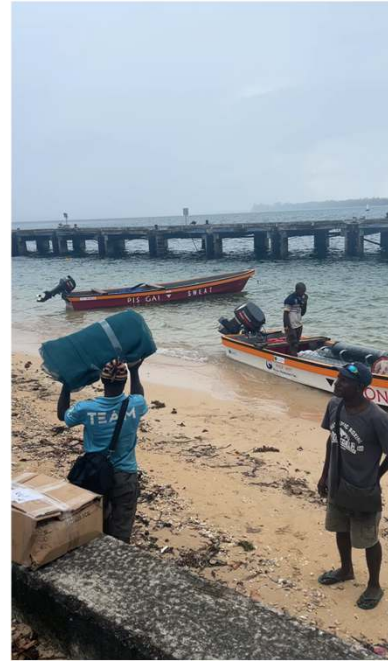
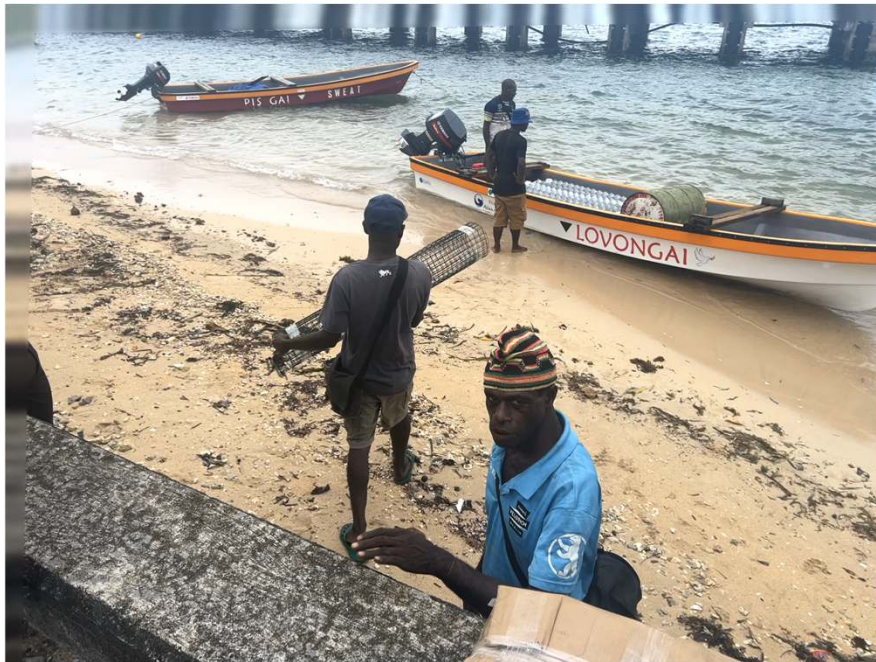
## Consultation with Ailan Awareness committee



Kevin briefly explained the relevance of coral nursery and the benefits to the community and the ecosystem. He also briefed the committee on village chicken farming.

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## Loading materials for chicken house & coral garden



Loading project materials. The materials included cyclone fencing wire, line wire, tie wire and corrugated roofing irons. The trip to Metevoi village takes 2 hours by banana boat.

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# Building the chicken house!



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## Building the chicken house



All hands on deck!! The work started soon after we arrived at Metevoi village. Straight after the meeting the clearing of the site started. We briefed the village elders and community and youth leaders.

The next day the 30x30 meter perimeter fence was completed

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## Scoping for coral nursery site



Kevin, with local team out scoping for nursery sites



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# Measuring harvested coral fragments

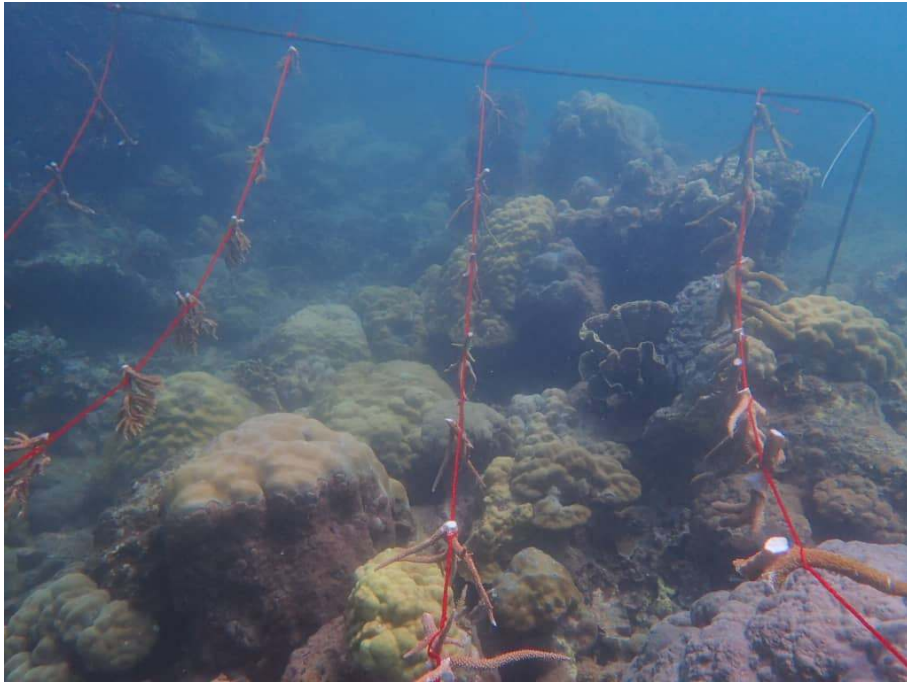


Measuring harvested coral fragments before planting. This is critical for monitoring purposes.

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# The completed nursery

The fragments are tied/planted in ropes and set in place.



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# August 2024 activities

Kaselok training centre in Kavieng: Village chicken and coral gardening training undertaken. Two trainings with 53 community members trained:

- 25: Kaselok (2), Metevoi (5) and Lovongai (10), Para (5), Musau Island (3)
- Duke of York Islands (28)

Metevoi Island: Village chicken training undertaken (over 80 trained) and monitoring of coral nursery.



## Kaselok training participants



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# Metevoi training centre

Training centre built at Metevoi Island especially for the training!



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# Metevoi training



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## Next steps for Kavieng

- Expand from existing two Master Chicken Farms (Kaselok and Metevoi) to build a third Master Farm in Lovongai
- Train an additional 100 outgrowers
- Provide trained outgrowers with start-up kits of 2 chickens, 1 rooster (purchased from Master Farmers) and chicken wire
- Set up a heat tolerant coral nursery in New Ireland
- Establish nursery for lime harvesting in Duke of York Islands
- Support Ailan Awareness with monitoring and maintenance of chickens and coral nurseries.

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# Thank you!



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