

Session 11 Climate Resilient School Food Systems

Local food systems and community resilience

in the **Solomon Islands** and
Republic of Marshall Islands

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Solomon Island project:

Nourish

Furthering strategic
livelihood and food
nutrition outcomes.



Republic of Marshall
Islands project:

Healthy futures

It's about gardening,
growing fresh food, and
promoting healthy habits
in schools and
communities across RMI.

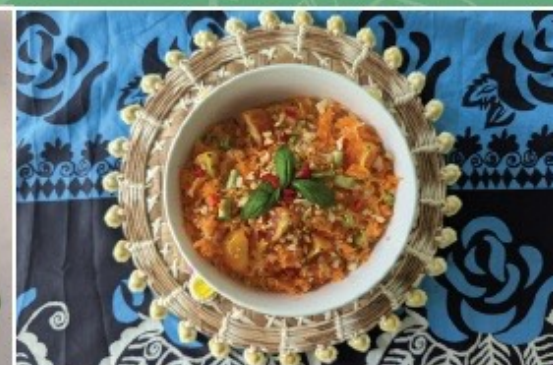


Australian
Volunteers



Healthy Futures

School and Community
Garden Cookbook



Practical experiences

Building soil by:

- making and using **compost**
- grow **legumes** and ground covers to add organic nitrogen to the soil (top image)
- adding local **organic fertiliser** made from fish waste and copra cake (bottom image)



Practical experiences

Managing pests and disease by:

- using **crop rotation**
- using **garden design** practices that allow airflow to reduce mildews
- using **plants adapted** to the climate that are more resistant to pests and disease
- making **homemade pesticides**.

INTEGRATED PEST MANAGEMENT

Training tools for Pacific Island communities



Roselyn Kabu Maemouri

Find training manual at:
<https://kastomgaden.org/projects/integrated-pest-management/>

Practical experiences

Climate-change resilience

- growing highly nutritious **local perennial plants** in school gardens



Practical experiences

Saving water by

- **mulching** with breadfruit leaves — this can reduce water loss by 25% and increase water use efficiency.



Practical experiences

Saving water by

- growing **locally adapted plants** like Tirooj in RMI



Practical experiences

Saving water by using

- **wicking beds** — they use 40% less water than soil based food growing.



Practical experiences

Saving water by using

- **aerponic towers:** they use approximately 90% less water than conventional soil based food growing.

Aeroponics is the process of growing plants with only water and nutrients.

Plants grow in soilless medium called rockwool.

Find out more at towerfarms.com



Practical experiences

- **cooking demonstrations** using local produce that is nutrient dense
- **local dishes** using local produce.



Practical experiences

- in the Solomon Islands, supporting the annual **agriculture diversity fair**/learning event



Indigenous knowledge

- planting locally adapted plants such as:
 - pandanus
 - banana
 - leafy greens
 - root crops
 - fruit trees, particularly breadfruit.



Planet friendly approaches

- in RMI, planting pandanus to **protect against sea-level rise**
- in the SI, **saving seed** of climate adapted plants for sharing through the Planting Material Network.



Planet friendly approaches

- **plant propagation** through planting seeds and sharing cuttings
- in SI, using coconut husks to make **seed raising mix** (image below: SI seed nursery).



Planet friendly approaches

- locally made **compost**
- **mulching**
- using **wicking beds**
- using **aeroponic towers**





Planet friendly approaches

- producing **cookbooks** to encourage locally grown nutrient dense ingredients for recipes.

Healthy Futures
School and Community Garden Cookbook

DOWNLOAD the cookbook for FREE!

55 **NUTRITIOUS** recipes





<https://terracircle.org.au/recipes/>
Healthy Futures was published by Canvasback Wellness Centre, Wajir, RM1, August 2025.

HELI KAIKAI COOKBOOK



DOWNLOAD the cookbook for FREE!

TRADITIONAL AND LOCAL RECIPES FROM THE SOLOMON ISLANDS

21 **NUTRITIOUS** recipes



<https://kastomgaden.org/>
Heli Kaikai was published by Kastom Gaden & World Vision Solomon Islands, November 2025.



Emerging strategies

- **UN IOM** projects supporting Aeroponic Towers in High Schools in RMI
- **UNICEF support** for 5 new schools in RMI for growing and cooking
- **adding nutritional information** into the cookbooks.



Emerging strategies

- **breadfruit research** in SI
- projects to help develop **nutritious diets** for communities
- **partnerships** that enable us to increase communities resilience in the face of climate change.



Climate Resilient School Food Systems

Local food systems and community resilience

Freely sharing online
resources from the
Solomon Islands and the
**Republic of Marshall
Islands**

kastomgaden.org
terracercircle.org.au

