



**SPREP**  
Secretariat of the Pacific Regional  
Environment Programme



**PROJECT SNAPSHOT**

**FIJI**

This initiative is supported by **PacWastePlus**-a 72-month project funded by the European Union (EU) and implemented by the Secretariat of the Pacific Regional Environment Programme (SPREP) to **sustainably and cost effectively improve regional management of waste and pollution.**

November 2021

ISBN: 978-982-04-1012-1



## ORGANICS PROJECT

### Improving Organic Waste Management in Fiji's Informal Settlements and Villages

One of the priorities of the Fiji Ministry of Environment is to improve organic waste management to support agricultural activities in Fiji. For this reason, the ministry is utilising the allocated PacWastePlus country investment to design and implement community-based programmes that effectively collect and process organic wastes to prevent environmental pollution and support agricultural activities. With around 60% of waste disposed at the disposal being organic material, there is significant opportunity to reduce leachate and methane generation, and to create useful soil enhancers to increase agricultural yield.

The establishment of suitable organic composting programs in targeted communities will enable:



Waste segregation at household level



Long-term management of organics



Support community based agricultural production

Fiji seeks to utilise the PacWastePlus investment for the following activities:



**PROGRAMME**

Design and implement communal organic processing programme



**COMMUNITY TRAINING**

Facilitate community training on waste segregation



**FACILITY**

Design and construct organic processing facilities to receive and process segregated organic wastes



**EQUIPMENT**

Purchase of relevant equipment for organic waste processing



**TRAINING**

Facilitate appropriate training for local officers on designing, implementing, and monitoring of communal organic processing programme



**MANAGEMENT**

Develop community waste management plans and monitoring guidelines



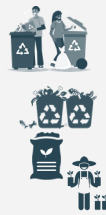
**COMMUNICATIONS**

Implementation of project education and awareness actions to identified stakeholders

# PROJECT JUSTIFICATION



With the aim of diverting wastes from landfill, the Ministry of Environment has been implementing a **Home Composting project** that subsidises the cost of compost bins to rate payers to encourage waste segregation and composting at household level



Fiji's Country Project will seek to segregate and process organic wastes in communities outside municipal boundaries

## Draft *National Solid Waste Management Strategy*



Ministry of Agriculture *Strategic Development Plan (2019 -2023)* - aims to deliver a demand-driven and resilient agriculture sector that delivers economic opportunities, environmental sustainability and food and nutrition security for all Fijians



This project will assist in achieving Fiji's strategic goals to:

Educate local communities on waste segregation



Divert organic waste from dumpsites



Process organic waste to support agricultural activities



Aligned to the legislated function of the Ministry of Environment as per Part 2 of Fiji's *Environment Management Act 2005*



Development of Waste Management Plans for local communities



Undertake education and awareness within villages as per Section 15 (2) (b) (d) of the *Environment Management Act 2005*



Existing home composting Programme learnings from this program will assist design suitable organic processing programme in communities outside municipal boundaries



Provincial Environment Management Programme – the Provincial Conservation Division within the Ministry of iTaukei Affairs implements awareness in Fiji's fourteen provinces on waste minimisation and natural resource conservation

# CURRENT STATUS / MANAGEMENT OF PRIORITY WASTE

## Current Situation:

### Data collection and Education and Awareness



Organic materials make up more than **60% of waste** to Naboro and Vunato landfills

Ongoing awareness campaigns through the Clean School Program, Home Composting Program, and the Provincial Environment Management Program



*(Data collection from targeted communities, Education and awareness through community consultation, and National Education Awareness plans a key aspect of behaviour change )*

### Policy & Regulation



The **Environment Management Act 2005** includes the provision for the adoption of regulations governing specific waste streams, enabling this act to support the introduction of specific programmes to divert waste from landfill



*(Engagement with the private sector to promote greater recovery of reusable components of organic waste and others)*

### On-Ground Activity



Lautoka and Suva City Councils collect and process all organic waste generated at their municipal markets and sells it to finance 3R activities within municipal zones



Household waste segregation is limited to Municipal boundaries only



Organic wastes in communities outside municipal boundaries are either burnt or dumped in communal dumpsites



*(25 community Communal Organic Processing Facilities established, Resources to expand the program to other communities )*

### Human Capacity



Limited knowledge in designing and implementing suitable communal organic processing programme based on volume and type of organic wastes generated



*(Introduce a decision support tool that will assist on designing and implementing suitable Communal Organic Processing Programme, Train officers from relevant government ministries and NGOs on using this decision support tool )*

# GENDER EQUALITY, SOCIAL AND DISABILITY INCLUSION (GESDI) CONSIDERATIONS FOR WASTE MANAGEMENT IN FIJI



**Equality in today's society requires sound waste management.**

All people have the right to access waste infrastructure, participate in decision making and able to voice grievances, access information and awareness messages, and be protected from harmful effects of waste – on health, environment, culture and traditions.



## Opportunities for Fiji to provide for equality during the management of recyclables



Continue development of effective legislation to provide coordinated and equitable approach for waste management.



Include considerations regarding equality and inclusion in waste-related legislation and regulation



Consider additional bans and phaseouts of certain types of problematic or hazardous products



Provide for effective implementation, monitoring, and enforcement of waste-related legislation to protect vulnerable members of society



Mobilise additional resources for waste management including through an Advance Recovery Fee system



Enhance the availability and accessibility of information



Include additional Government departments, in particular labour, culture, women, and equality-related authorities and/or bodies, in waste-related decision making to identify and address potential inequalities



Provide waste management facilities for rural and outer island communities



Enhance efforts to protect waste workers

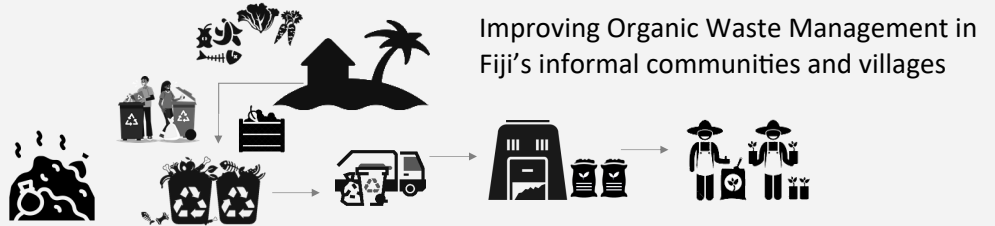


Utilise traditional knowledge and customs to enhance participation, environmental protection and stewardship

# MAPPING PROJECT SUCCESS



## LONG TERM OUTCOME



Improving Organic Waste Management in Fiji's informal communities and villages



## MEDIUM TERM OUTCOMES



90% of organic waste generated from targeted communities are processed at the communal organic's facilities



Organic Processing facilities operating with minimal/ no support from government



75% of communities in all divisions utilised a proven organic solution to manage their waste due to the provision of hands-on practical information and resources



Reduction of organic materials dumped / burnt in communities with no formal collection services



## SHORT TERM OUTCOMES



Organic processing systems established in targeted communities and operating effectively to process organic



Have targeted communities effectively participating in the communal organic processing programme



Have results, resources, and training materials, from the communal organic management systems established to provide the practical information needed for Government and Local Authorities to successfully implement similar systems in other communities



## OUTPUTS



Development, and completion of a Scoping Study to design suitable communal organic processing systems for the selected pilot sites



Development and completion of Monitoring Guidelines to be used in monitoring of the communal organic processing systems



Update existing Resource Recovery Centre and procurement of equipment



Establishment of resources and plans based on the learnings from the pilot sites to be replicated

Enforcement officers trained on implementation of organic processing systems, and operation of processing facilities

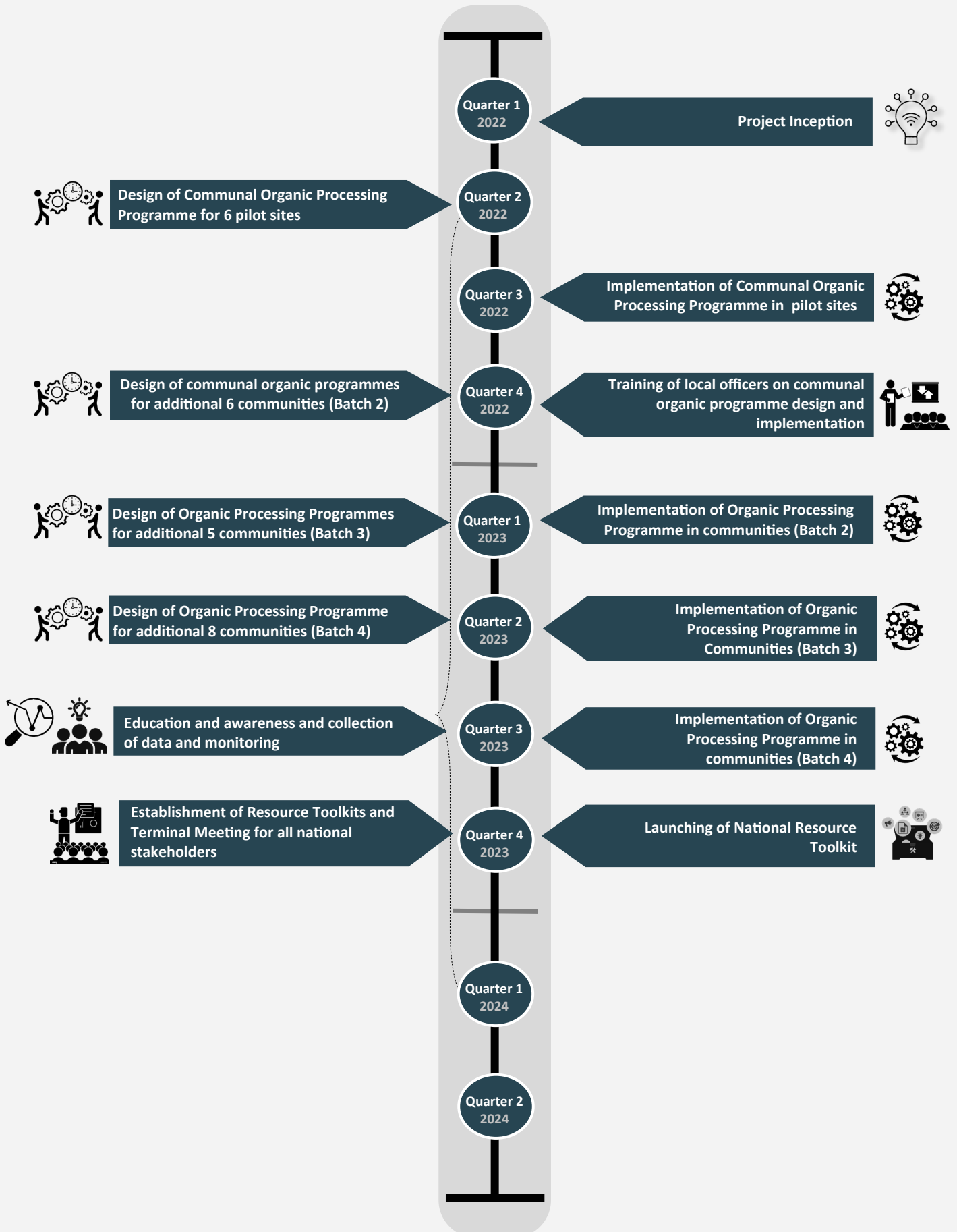


Targeted communities trained on waste segregation and utilisation of organic waste to support local agriculture



Implementation of effective ARFD national education and awareness program

# ACTIVITIES AND TIMELINE



# PACWASTEPLUS REGIONAL PROJECTS / ACTIVITIES AND WHAT FIJI CAN EXPECT



## Health Care Waste Management

### Fiji will receive:

- Healthcare waste training [storage, treatment, and disposal solutions for healthcare waste]
- Assessment of the impact of the PacWaste Project healthcare waste activities
- Repair selected healthcare waste Incinerators in the region
- Work with development partners to implement a long-term plan for the sustainability of health care waste infrastructure
- Ongoing Technical Assistance



## Asbestos Management

### Fiji will receive:

- A guidance and drafting note to assist with legislative reform to ban the importation of asbestos
- Template Code of Practice to guide the safe handling and management of asbestos
- Communication resources and materials to provide information on safe handling and management of asbestos
- Learnings from other country projects focused on asbestos
- Ongoing Technical Assistance



## Organics Management

### Fiji will receive:

- Document providing technical analysis of how to compost common organic materials received in the Pacific
- Template Minimum Standard document to guide effective and safe composting
- Resources to guide organic facility design and operation
- Training on organic facility design and operation
- Ongoing Technical Assistance
- Learnings from country projects focused on organics management



## ARFD / Sustainable Financing

### Fiji will receive:

- Communication resources and materials to provide information to stakeholders on the benefits of ARFD systems
- Resources and training to assist during ARFD system design and guide decisions support
- Learnings from other country feasibility studies and projects focused on ARFD
- Ongoing Technical Assistance



## Disaster Waste Management

### Fiji will receive:

- Terms of Reference for the establishment of an Environment Sector Working Group (Cluster) within National Disaster Management Framework to ensure effective implementation of disaster Waste Management Response and Recovery
- Drafting/Guiding Notes on National and Community Disaster Waste Management Plans
- Disaster Waste Training Manual for use at both the National and Community level
- Learnings from country projects focused on disaster waste management
- Ongoing Technical Assistance



## Regional Course Development

### Fiji will receive

- Development of a sustainable capacity building program for waste management in based on country needs
- Training through the adopted training courses, both vocational and tertiary



## Schools Curriculum Development

### Fiji will receive

- School curriculum on waste management education (eight programme waste streams) incorporated in to existing school core subjects such as Maths, English and Science
- Primary school education-problem based curriculum
- Secondary school education-culturally responsive
- Tertiary school education-culturally responsive
- Training and capacity building opportunities for teachers



## Bulky Waste Management

### Fiji will receive:

- Guiding document and a Decision Support Tool to guide on how to design and implement a national ELV management programme.
- Drafting/Guiding Notes on how to draft national legislation for the management of End-of-Life vehicles
- Safe Dismantling Training Manual
- Publications and awareness materials



## Behaviour Change

### Fiji will receive

- Learnings of the community-based social marketing Pilot projects and replication of successfully implemented projects
- Ongoing Technical Assistance

# ABOUT THE PACWASTEPLUS PROGRAMME

The Pacific – European Union (EU) Waste Management Programme, PacWastePlus, is a 72-month programme funded by the EU and implemented by the Secretariat of the Pacific Regional Environment Programme (SPREP) to improve regional management of waste and pollution sustainably and cost-effectively.

## About PacWastePlus

The impact of waste and pollution is taking its toll on the health of communities, degrading natural ecosystems, threatening food security, impeding resilience to climate change, and adversely impacting social and economic development of countries in the region. The PacWastePlus programme will generate improved economic, social, health, and environmental benefits by enhancing existing activities and building capacity and sustainability into waste management practices for all participating countries.

Countries participating in the PacWastePlus programme are: *Cook Islands, Democratic Republic of Timor-Leste, Federated States of Micronesia, Fiji, Kiribati, Nauru, Niue, Palau, Papua New Guinea, Republic of Marshall Islands, Samoa, Solomon Islands, Tonga, Tuvalu, Vanuatu.*

## KEY OBJECTIVES

### Outcomes & Key Result Areas

The overall objective of PacWastePlus is “to generate improved economic, social, health and environmental benefits arising from stronger regional economic integration and the sustainable management of natural resources and the environment”.

The specific objective is “to ensure the safe and sustainable management of waste with due regard for the conservation of biodiversity, health and wellbeing of Pacific Island communities and climate change mitigation and adaptation requirements”.

### Key Result Areas

- **Improved data collection, information sharing, education and awareness**
- **Policy & Regulation** - Policies and regulatory frameworks developed and implemented.
- **Best Practices** - Enhanced private sector engagement and infrastructure development implemented
- **Human Capacity** - Enhanced human capacity



Learn more about the Fiji Project by visiting

<https://pacwasteplus.org/country-project/fiji/>

For more information please contact:



The PacWastePlus team on [pwp@sprep.org](mailto:pwp@sprep.org)



Or visit - <https://www.pacwasteplus.org>

### Disclaimer

*This publication was produced with the financial support of the European Union. Its contents are the sole responsibility of SPREP and do not necessarily reflect the views of the European Union.*

*\*Countries mentioned in this publication are as at November 2021*

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