



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.**

# PROJECT SNAPSHOT SOLOMON ISLANDS

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## ORGANICS & RECYCLABLES PROJECT



### Improving Solid Waste Management: Diversion of Organic and Recyclables from landfills

The predominant waste management solution offered in the Solomon Islands is landfilling, and recent audits suggest over half of all the waste to landfill is organic in nature and able to be composted rather than landfilled. A large amount of the remaining materials are recyclable - meaning the design and implementation of diversion projects could significantly reduce the amount of waste to landfill. As such, the Solomon Islands Government seeks to focus the PacWastePlus investment to design and implement an organic processing system to manage organic waste, and will commence this work through the collection and processing of all organic wastes generated at the Gizo Market. In addition, the investment will be used to design and implement a sustainable financing system (Advance Recovery Fee and Deposit-ARFD) that will fund the collection and processing of recyclables. The introduction of these waste management systems have the potential to reduce the requirement for landfill space and therefore a substantial cost to the government and councils.

The Solomon Islands project will divert organic waste and recyclables from landfills:



Solomon Islands seeks to utilise the PacWastePlus investment for the following activities:



#### LEGISLATION

Drafting and enactment of ARFD Legislation that will introduce a sustainable system to fund the collection and processing of recyclables



#### FACILITY

Establish a recyclable collection centre in Gizo that will pack recyclables for processing in Honiara; construct an organic processing facility to receive and process organic waste from Gizo Market



#### PROGRAMME

Design and implement an organic processing programme that will collect and process all organic wastes generated at the Gizo Market



#### TRAINING

Train council officers on the operation of the Organic Processing facility and the Recycling Collection centre, and local officers on the implementation of the Organic Processing Programme and the ARFD system



#### COMMUNICATIONS

Facilitate awareness programme that educate market vendors on waste segregation and the benefit and importance of composting

# PROJECT JUSTIFICATION



Pre-Feasibility Study for the introduction of a **Container Deposit System** into Solomon Islands was undertaken in 2018



A feasibility study conducted 2021 by PacWastePlus to guide the design and determine the scope of works for the introduction of an ARFD system



*National Development Strategy 2016-2035* - Medium-Term Strategy is to promote a holistic and sustainable approach to waste management



Solomon Islands *National Waste Management & Pollution Control Strategy 2017 -2026* promotes the Waste Hierarchy principle that includes the 4R concept (Reduce, Re-use, Recycle, Return) to minimise waste being landfilled



*Environment Act 1998* provides for the coordinated management of waste



The Act aims to reduce risks to human health and prevent the degradation of the environment by all practical means, which include regulating the discharge of pollutants to the air, water or land; regulating the transport, collection, treatment, storage and disposal of wastes; and promoting recycling, re-use and recovery of materials in an economically viable manner

Advance Recovery Fee and Deposit project will provide support the objective of this Bill

Solomon Islands project will establish a diversion system for organic waste and recyclables to help preserve critical landfill space



Promote effective partnership between government and private sector to ensure sustainability of waste management programmes



Links to SDGs:  
Goal 3: Good Health and Well-Being  
Target 3.9

Goal 9: Industry, Innovation and Infrastructure  
Target 9.4

Goal 10: Reduced Inequalities  
Target 10.2

Goal 11: Sustainable Cities and Communities  
Target 11.6

# CURRENT STATUS / MANAGEMENT OF PRIORITY WASTE

## Current Situation:

### Data collection and Education and Awareness



A CEFAS funded Waste Audit in 2019 found that **63% of waste stream is made up of organic waste** and approximately **30% are recyclables**



Report highlighted that any future policy or plan for Solomon Islands, even in provinces and regional Guadalcanal, should consider a proposal to manage organic waste, and recyclables



*(accurate data for recycling and organic processing activities to be collected throughout PacWastePlus project and ARFD operation, implementation of National Education and Awareness plan a key aspect of behaviour change for ARFD)*

### Policy & Regulation



The **Environment Act 1998** provides for regulating the discharge of pollutants to air, water or land; regulating the transport, collection, treatment, storage and disposal of wastes; and promoting recycling, re-use and recovery of materials in an economically viable manner



No regulation under the act that implement an ARFD system



### On-Ground Activity



Organic wastes and recyclables are either landfilled, burnt, or dumped into the environment in Solomon Islands which is a significant pollution source. This is due to:



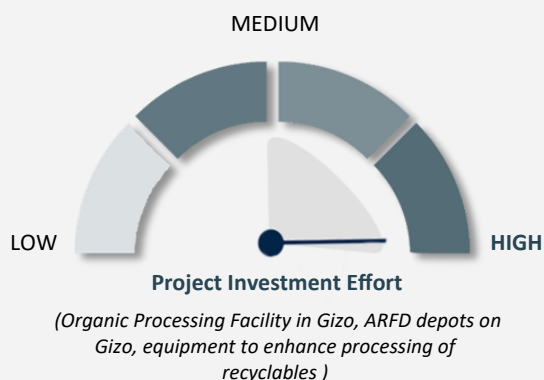
lack of regular funding to support collection and export of items



lack of buy-in for recycling by the community (recyclables still mixed with general waste, or those received are heavily contaminated)



lack of infrastructure to support recycling initiatives in the country



### Human Capacity



Currently no active incentive programme to encourage business and individuals to recycle

There is a need to train local officers on the implementation and auditing of the ARFD system



*(Build capacity for the implementation of an ARFD system and an Organic Processing Programme inclusive of SOP(s) and training manual )*

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



**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 Solomon Islands 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



All organic waste and recyclables are diverted from landfills in Solomon Islands



## MEDIUM TERM OUTCOMES



Soil quality and crop yield in Solomon Islands improved due to the application of reprocessed organic waste (compost)



Pollution caused by inappropriate management of recyclables and organics is reduced through national waste diversion program in Solomon Islands



ARFD legislation generates income subsidy for households through redemption of products and creates a financially sustainable industry



Resource Recovery industry provides equal opportunity employment



## SHORT TERM OUTCOMES



Have a legislative environment in Solomon Islands that provides for the effective diversion of organic and recyclable wastes from landfill



Have an effective resource recovery program operating in Solomon Islands to divert organic and recyclable waste from landfill



Have an informed and engaged community with knowledge of how to appropriately manage organic and recyclable wastes



## OUTPUTS



Implementation of an Organic Processing system



Construction of a recyclable collection depot in Gizo



Operation of the Organic Processing Facility that is receiving and processing all organic waste produced at Gizo markets



MoU signed between MECDM and key stakeholders for the effective operation of ARFD system and Organic waste processing program

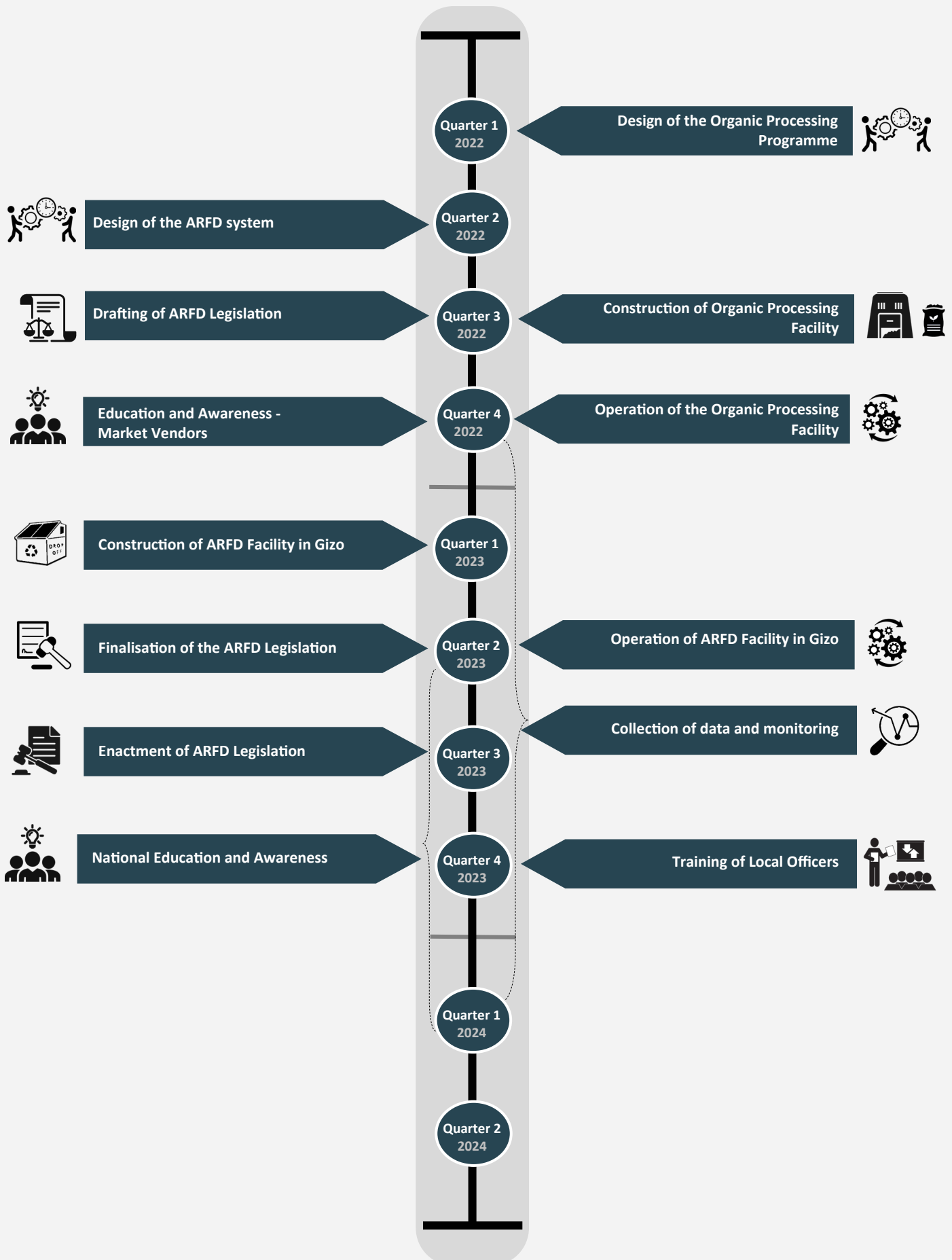


Enactment of an ARFD Legislation that provides for the introduction of a resource recovery system for Solomon Islands



Implementation of effective national education and awareness program

# ACTIVITIES AND TIMELINE



# PACWASTEPLUS REGIONAL PROJECTS / ACTIVITIES AND WHAT SOLOMON ISLANDS CAN EXPECT



## Health Care Waste Management Solomon Islands 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 Solomon Islands 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 Solomon Islands 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

### Solomon Islands 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

### Solomon Islands 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

### Solomon Islands 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

### Solomon Islands 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

### Solomon Islands 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

### Solomon Islands 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, and education 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 Solomon Islands Project by visiting

<https://pacwasteplus.org/country-project/solomon-islands/>

For more information please contact:



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



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

### Disclaimer

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

(post project please email [sprep@sprep.org](mailto:sprep@sprep.org))