



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



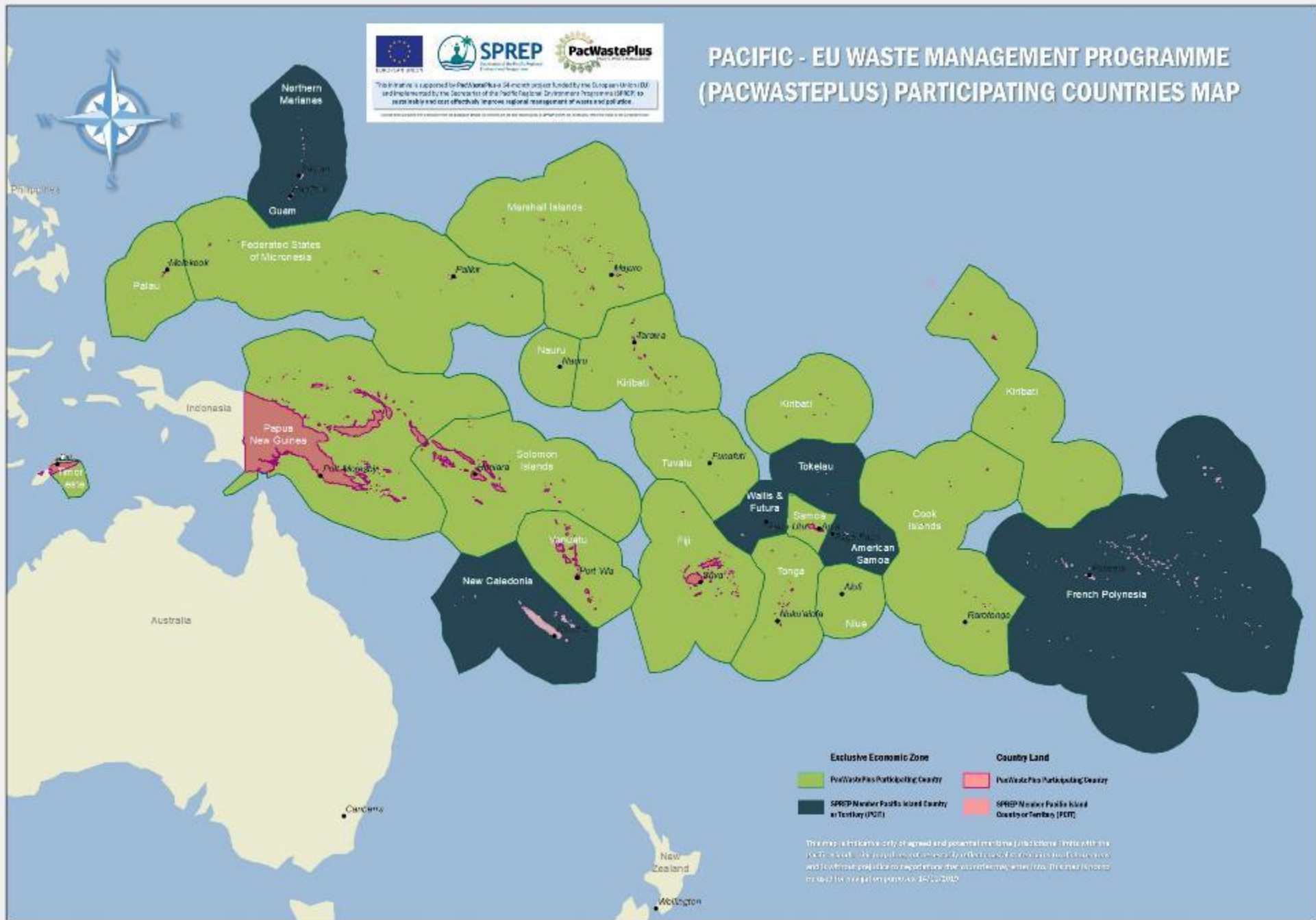
This initiative is supported by **PacWastePlus**-a 64-month project funded by the European Union (EU) and implemented by the Secretariat of the Pacific Regional Environment Programme (SPREP) to sustainably and cost effectively improve regional management of waste and pollution.

# ESS IN WASTE MANAGEMENT PROJECTS

**PacWastePlus**

# PacWastePlus Activities

- Develop & Deliver Regional Projects focusing on:
  - Hazardous waste (Asbestos Management, E-waste, Healthcare waste)
  - Solid Waste (Recyclables, Organics, Bulky Waste, Disaster Waste)
  - Wastewater
- Interventions across 4 Key Result Areas:
  - Data, information, and education
  - Legislative assistance
  - On-Ground Activities
  - Capacity Building



# Brader ESS thinking in Waste Projects

- In addition to the specific ESS considerations for on-ground avoidance, reduction, and management of waste, consideration of broader ESS issues for waste-based projects provide value
- ESS assists to ensure perverse impacts from project actions are not delivered, and that communities can benefits more broadly from project actions.
- The SPREP ESS Assessment process provides an example of how this thinking can be applied to waste projects.

# SPREP ESS Assessment Process

- Project activities are screened for their **inherent** environmental and social risk before applying mitigation and management measures. Inherent risks are risks prior to mitigation measures having been applied. It is important to form a clear picture of potential inherent risks in the event that mitigation measures are not implemented or fail.
- Screening for potential adverse environmental and social risks and impacts must consider all activities with potential direct and indirect risks and impacts across the Project's Area of Influence.

	<b>Likelihood</b>				
<b>Consequence</b>	Not Likely	Slight	Moderately Likely	Highly Likely	Expected
Critical	Red	Red	Red	Red	Red
Severe	Yellow	Yellow	Red	Red	Red
Moderate	Green	Yellow	Yellow	Yellow	Yellow
Minor	Green	Green	Yellow	Yellow	Yellow
Negligible	Green	Green	Green	Green	Green

# ESS Screening Questions - Principles

- Principle 1 Human Rights
- Principle 2: Gender Equality
- Principle 3: Child Protection
- Principle 4: Climate Change
- Principle 5: Biodiversity and Ecosystem Services
- Principle 6: Waste Management

# ESS Screening Questions - Safeguards

- Safeguard 1: Assessment and Management of Environmental and Social Risks and Impacts
- Safeguard 2: Public Participation and Information Disclosure
- Safeguard 3: Accountability, Grievance and Conflict Resolution
- Safeguard 4: Labour and Working Conditions
- Safeguard 5: Resource Efficiency and Pollution Prevention
- Safeguard 6: Community Health, Safety and Security

# ESS Screening Questions - Safeguards


- Safeguard 7: Involuntary Resettlement
- Safeguard 8: Biodiversity Conservation and Sustainable Management of Living Natural Resources
- Safeguard 9: Indigenous Peoples
- Safeguard 10: Cultural Heritage

*For each project that triggers a safeguard, a response plan is required, or a redesign of the project so the safeguard is not triggered.*



# COUNTRY PROJECT EXAMPLE

## Samoa



**PACWASTEPLUS PROJECT SNAPSHOT**  
**SAMOA**

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This snapshot is supported by PacWastePlus, a 60-month project funded by the European Union (EU) and implemented by the Secretariat of the Pacific Regional Environment Programme (SPREP) to assist Pacific island countries and territories to effectively manage solid waste and pollution.

The PacWastePlus programme is being implemented across 14 Pacific island countries and Timor-Leste, and will address both the cost-effective and sustainable management of waste and pollution in the priority waste streams of:

- Hazardous wastes (pesticides, healthcare waste, and e-waste)
- Solid wastes (organic waste, plaster waste, bulky waste, and recyclables)
- related aspects of Wastewater

The programme will deliver positive social and environmental outcomes from the effective management of waste in the Pacific. PacWastePlus activities are tailored to address the specific needs of each country based on their identified priorities. Samoa is one of the 14 countries participating in the PacWastePlus programme.

**Samoa is an archipelago of nine volcanic islands located in the Polynesian region of the South Pacific. The land area of Samoa is 2,832km<sup>2</sup>, 89% of which is the two main islands, Upolu and Savai'i. The capital of Samoa, Apia, is on this island of Upolu, home to 77% of the 393,679 population.**

**Samoa's population has remained relatively stable for decades, internal migration from rural areas to urban areas is common as people are attracted to Apia to increase employment and education prospects. The growing urbanised population is expected to exert pressure on the environment, resulting in a range of environmental challenges, including waste generation. To counter this trend, the government has built schools in rural areas to encourage people to remain in their traditional villages.**

**Prior to 2019, the country's economy was dependent on tourism, agriculture, mining, development aid, and family remittances from overseas. The gross domestic product was USD \$305.8 million in 2019, influenced by the favourable performance of these sectors.**

**As affluence increases alongside urbanisation, common food consumption has shifted from agricultural produce to imported goods with higher sugar content and excessive packaging, meaning Samoa is experiencing an increase in health-related conditions, and an increasing waste generation issue.**

**Samoa is vulnerable to natural disasters including cyclones, floods, earthquakes, tsunamis, and sea level rise. Samoa sits on the Pacific Ring of Fire at the meeting of two tectonic plates, exposing its islands to frequent earthquakes. In 2009, Samoa was hit by a tsunami triggered by an 8.3 magnitude which caused significant damage and loss of life.**

**There are two districts in Samoa, each located on one of the two main islands. Waste collection services are provided to communities on the four inhabited islands of Upolu, Savai'i, Manono and Apolima. Waste collection in urban areas are frequent - twice a week for general waste but not as frequent in rural areas. Despite these services, waste is still commonly illegally dumped or burnt. The government provides a quarterly bulky waste collection service. The private sector provides some recycling services, collecting items such as aluminium and scrap metal for export.**



## Project Objectives



**1** By 2023, have created a strong and sustainable legislative environment in Samoa for the long-term operation of an e-waste management system, assigning responsibilities to relevant government department, private sector agencies to enable the active and effective management of e-waste.

**2** By 2023, have an effective e-waste recovery system operating in Samoa with efficient infrastructure support and an active, engaged partnership between government and the private sector.

**3** By 2023, have an informed and engaged community with an increased understanding of the importance of waste management, and knowledge of how to appropriately manage end-of-life electronics.



## What is our Project About

Samoa PacWastePlus project aims to improve the sustainable management of e-waste in Samoa through the following key outputs/activities:

- I. Strengthening policy & legislation: Develop E-waste Policy & Regulation
- II. Increased community awareness program: Develop National Education & Awareness (ie. strengthen environmental and health impact of improper E-Waste disposal & the new collection system for E-Waste)
- III. Establish dismantling and storage facility for safe handling, storage & proper disposal
- IV. Training on e-waste dismantling (ie. support circular economy & job creation)



## Core Issues

- Unsustainable practices: E-Waste are currently landfilled, burnt or illegally dumped resulting in the environmental contamination & pollution placing Samoa's local communities at risk.
- No national management scheme (ie. collection, safe handling & storage space & recycling) despite small-scale development in partnership with key stakeholders eg. SWRMA
- E-Waste currently used up landfill space (Improve landfill management)



## Desired Outcomes of our Country Project

- I. Legal framework established for the sound management of e-waste in Samoa.
- II. E-waste treatment facility established for processing.
- III. Improved knowledge on e-waste safe dismantling.
- IV. Support job creation in the face of Covid-19.
- V. Fully established electronic recovery system that is sustainably managed that captures, processes and recovers 100% of electric and electronic waste (EEEW) that is at the end of life.

# ESS Screening findings

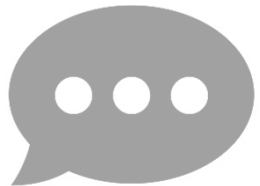
Safeguard	Issue Identified	Mitigation	Monitoring & Evaluation (what/when/how much/etc.)
<b>Safeguard 1 – Assessment and Management of Environmental and Social Risks and Impacts</b>	<p>There is potential that the project may not have sufficient financial resources to mitigate all risks during the project, dependent on actions required.</p>	<p>A Memorandum of Agreement will be signed between SPREP and MNRE for MNRE to allocate sufficient resources to implement the project. This is reflected in the Risk Plan of the project.</p>	<p>PWP PMU will be doing weekly meetings with consultants engaged for this project to track progress of works.  MNRE will be submitting monthly report to the PWP PMU on how the project is implemented on the ground.</p>
	<p>The feasibility study and determination of the levy, as well as assessment of other resources in government, will need to consider measures required to achieve continuous environment environmental and social performance.</p>	<p>PWP will engage a consultant engaged to design a levy that will ensure continuous environmental and social performance. This is the expected output from this consultant.</p>	<p>PWP PMU will be doing weekly meetings with consultants engaged for this project to track progress of works.</p>

# ESS Screening findings

Safeguard	Issue Identified	Mitigation	Monitoring & Evaluation (what/when/how much/etc.)
<b>Safeguard 3 – Accountability, Grievance and Conflict Resolution</b>	<p>The proposed levy and refund aspects of the E-waste management system poses a potential source of social concern, particularly as detail around this are yet to be determined.</p>	<p>PWP will engage a consultant to design the E-waste management system for Samoa and is expected to undertake consultation with relevant stakeholders to ensure that the system designed is inclusive and does not disadvantage anyone.</p>	<p>PWP PMU will undertake weekly meeting with the consultant to check on progress and ensure that deliverables are aligned to expectation.</p>
	<p>The plan for the construction of the dismantling facility will need to have OH&amp;S considerations in place</p>	<p>This will be included in the TOR for the design and build tender released through SPREP Procurement process.</p>	<p>PWP PMU will be ensuring that these documents are submitted once contract is signed at the inception meeting.</p> <p>PWP PMU will be doing weekly meetings with construction company engaged for this project to track progress of works.</p>
	<p>The system has not been tested to-date. If it is not operating effectively then appropriate measures need to be taken in the design phase</p>	<p>The system designed will be based on other recyclable take back system existing in the region and tailor made to suit Samoa’s economy and geographic setting. While it is a new system in Samoa, it will be designed based on lessons learnt from existing system.</p> <p>Consultants bidding for this work will need to reflect relevant past experience in similar system designs.</p>	<p>PWP PMU will be ensuring that these documents are submitted once contract is signed at the inception meeting.</p> <p>PWP will be providing technical input to the consultant to ensure that the system designed is relevant to Samoa.</p>

# QUESTIONS CLARIFICATIONS

## 5 Minutes discussion



**Please feel free to use the Zoom chat feature  
to raise your questions or clarifications!**



Facilitator: Mr. Lance Richman