

Regional Technical Cooperation Project in Waste Management and 3R Sector



JICA Consultant Team for J-PRISM3
SOEDA, Shungo (Team Leader)



soeda-sh@n-koei.jp

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About J-PRISM

Japanese Technical Cooperation Project for Promotion of Regional Initiative on Solid Waste Management in Pacific Island Countries

	J-PRISM I (2011 – 16) for 11 Countries	J-PRISM Ⅲ (2017 – 2023) for 9 countries
Overall Goal	Sustainable management of solid waste in the Pacific Region is enhanced	Sustainable management of solid waste in the Pacific region is enhanced based on Pacific Regional Waste and Pollution Management Strategy 2016-2025 (Cleaner Pacific 2025).
Project Purpose	Human and institutional capacity base for sustainable Solid Waste Management in the Pacific Region is strengthened through implementation of the Pacific Regional Solid Waste Management Strategy (2010-2015)	(Region-wide) Implementation of the Cleaner Pacific 2025 on solid waste management is timely monitored and supported based on Pacific-to-Pacific cooperation. (Country-wide) different by each country or each state in FSM
Achieved Outputs/ Projects/ Activities	Outputs of the Project are divided into 12 individual projects (11 independent projects in individual PICs and the Region-wide Activities) which have been separately managed and monitored by each individual Project Design Matrix (PDM)/Plan of Operations (PO).	46 Outputs of the Project are set in total (2 to 4 for each projects in individual PICs and 4 for the Region-wide Activities) which have been separately managed and monitored by each individual Project Design Matrix (PDM)/Plan of Operations (PO).













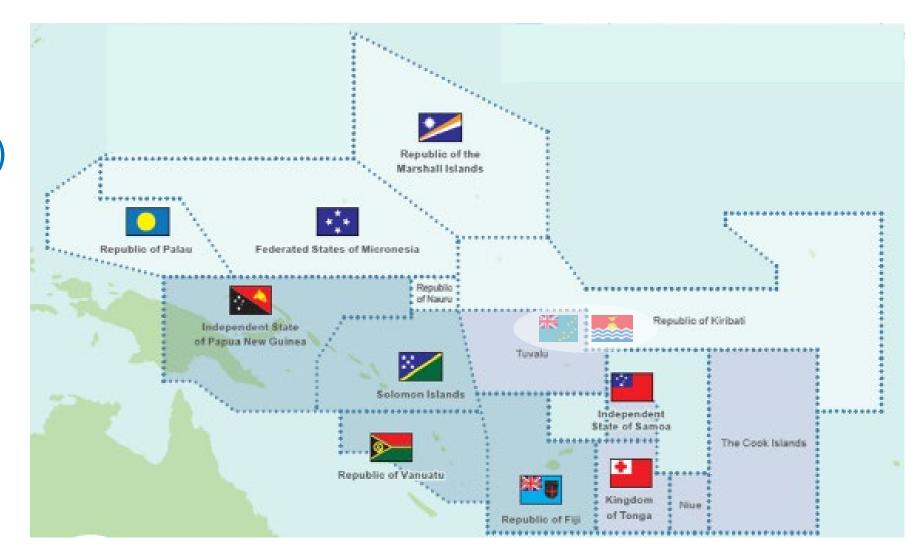






Targeted Countries to J-PRISM 1, 2 & 3

- Palau
- 2. FSM (Yap, Chuuk, Pohnpei, Kosrae)
- RMI
- **PNG**
- **Solomon Islands**
- Vanuatu
- Fiji
- Tonga
- Samoa
- 10. Tuvalu (Phase 1)
- 11. Kiribati (Phase 1)















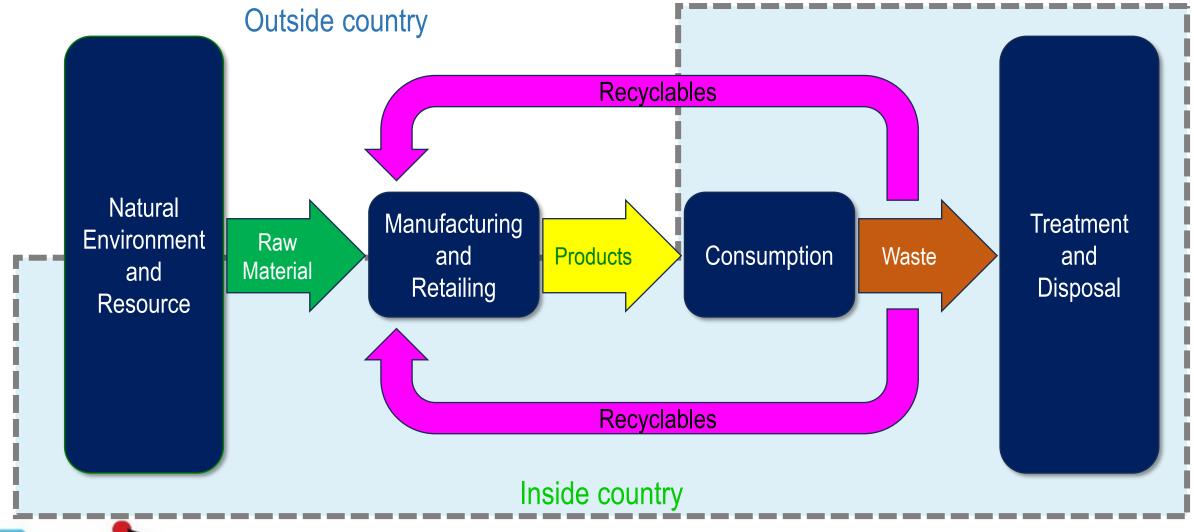








Material Flow in General













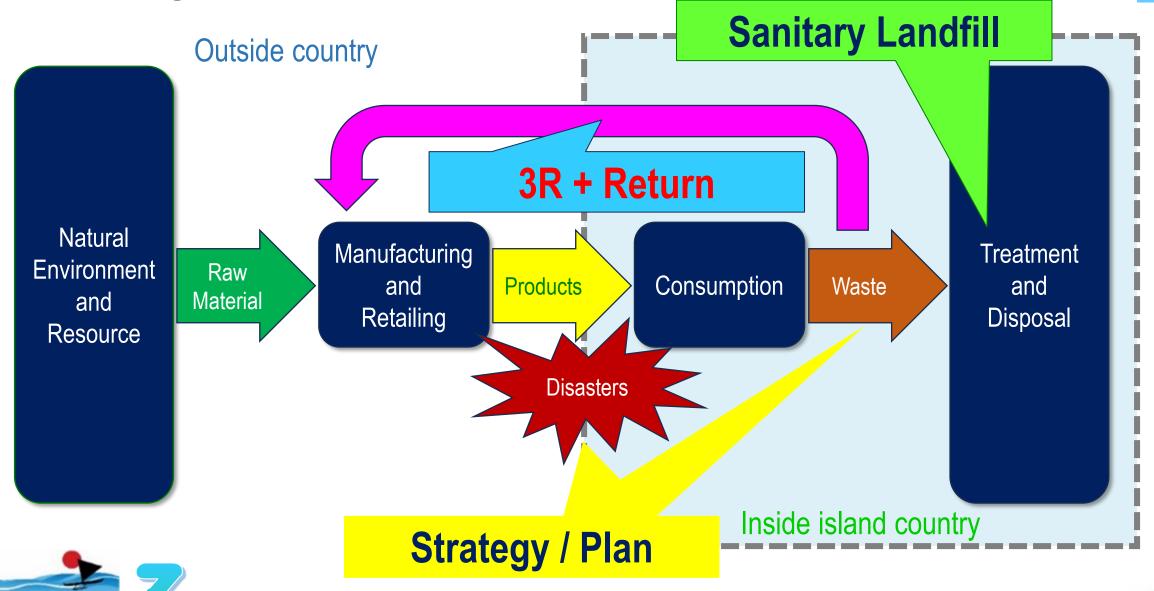








Main Targets in J-PRISM





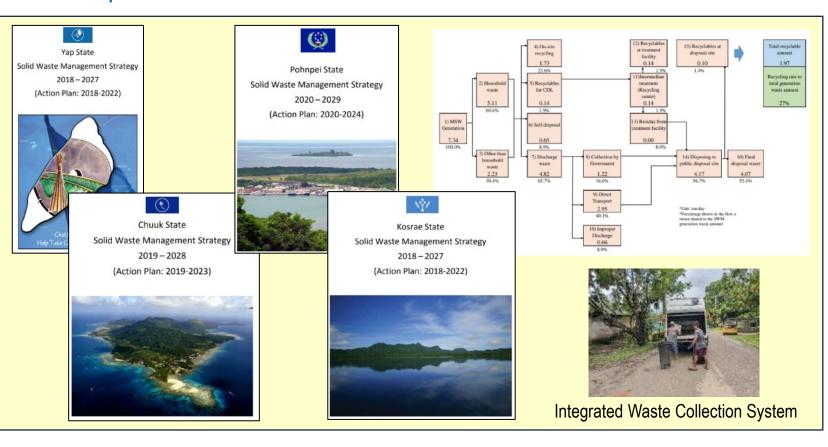
Outputs from J-PRISM 1 & 2 (Strategy and Plan)

In over 30 municipalities in 9 countries of the Pacific region, their waste management strategies or master / action plans were developed.



Case of FSM

State Solid Waste Management Strategy (SSWMS) together with 5-years Action Plan was developed at each state, Yap, Chuuk, Pohnpei and Kosrae





















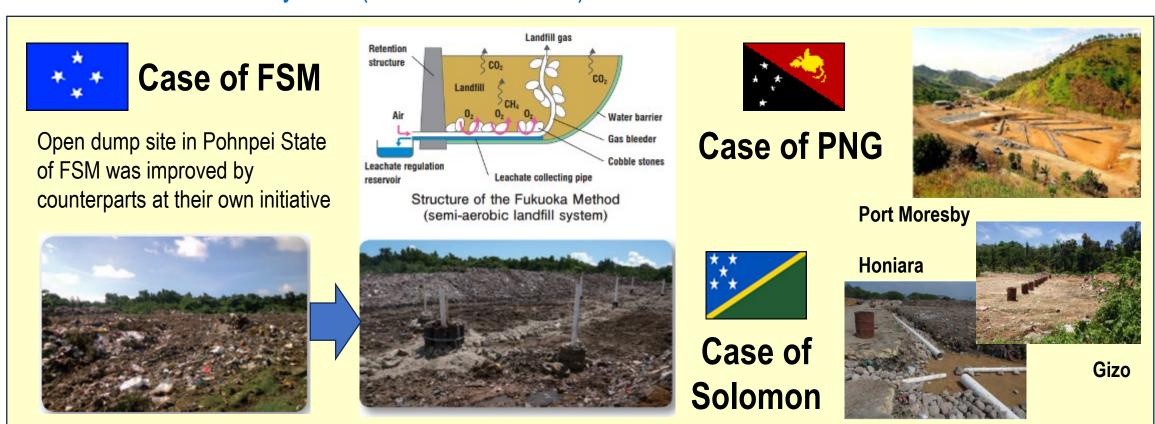






Outputs from J-PRISM 1 & 2 (Final Disposal)

Many final disposal sites in the Pacific region were improved as sanitary landfill partially with "Semi-aerobic landfill system (Fukuoka Methods)".





Source: Referred to "Creating a Sound Material-cycle Society in Small Islands, August 2014, JICA















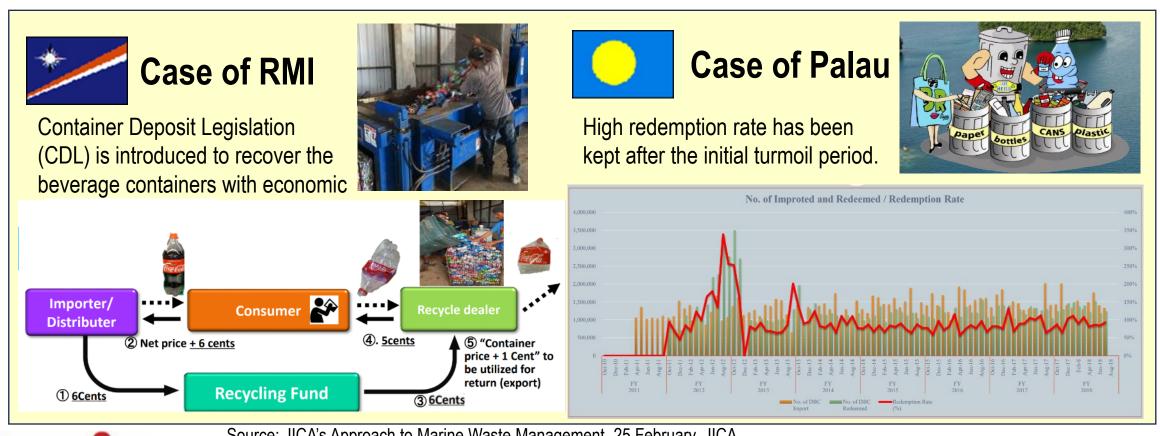






Outputs from J-PRISM 1 & 2 (3R + Return)

Due to lack of recycling facilities and recycling markets in the Pacific region, 3R will be promoted together with realizing "Return" by exporting back (returning) the recyclables / waste to outside.



Source: JICA's Approach to Marine Waste Management, 25 February, JICA
: "Deposit Beverage Containers Recycling Program, BPW-MPIIC, Republic of Palau



Outputs from J-PRISM (Human Resource Development) 12

Human resource development is provided to more than 300 waste management leaders who can lead their own countries' solid waste management systems without depending on foreign aid.













Cooperation at the grassroots level

- Introducing Shibushi Model (by Shibushi City)
- Promoting stakeholder collaborations (by **LEAF**)
- Improving roads with sandbags (by **CORE**)
- Turning resources into products (by **OCRM**)



Source: Regional Cooperation on Waste Management in the Pacific Island Countries, AMANO, Shiro, 2014)

: https://www.jica.go.jp/Resource/vanuatu/office/information/event/190514.html























Outline of J-PRISM 3 (Goal, Purpose and Outputs)

Project Period	July 2023 to July 2028 (Five years)
Implementation Agency	SPREP and 9 target countries
Overall Goal	Basic framework and necessary measures towards sound material cycle society through 3R+Return are in place in the Pacific region.
Project Purpose	The mechanism for self-sustaining solid waste management and 3R+Return is strengthened.
Expected Outputs	1. Organizational, institutional and financial capacities on solid waste management are enhanced/improved.
	2. Capacity of providing public services on waste management is enhanced.
	3. "3R+Return" System is promoted.
	4. The knowledge and experiences in the region are shared.



















Palau :

Counterpart	Bureau of Public Works, Ministry of Public Infrastructure and Industries
Project Site	Babeldaob Island, Koror State and Outlying Islands

Output 1	Organizational, institutional and financial capacities on solid waste management argential ced/improved
	1.1 Draft regulation is developed in preparation for the introduction of tipping feer for public (national and state government) and commercial waste generators at the National landfill.
Output 2	Capacity of providing public services on waste management is enhanced
	2.1 At least 2 pilot projects on improvement/closure of public open dumpsite are conducted to prevent environmental pollution, generating lessons learned or nuture scale-up.
Output 3	"3R+Return" System is promoted
	 3-1 An overarching law to expand a legal framework for at least one problematic waste stream (end of life vehicles, e-waste, batter is waste tires, etc.) is drafted. 3.2. Fecsionity is examined for the proposed legal framework for at least one problematic waste stream in order to dentify a financially viable model including value added recycling value chain.
Output 1	The knowledge and experiences in the region are shared
D	No country-based indicator

























FSM

Counterpart	Federal: Department of Environment, Climate Change and Emergency Management Yap: Department of Public Works and Transportation (DPWT), Environmental Protection Agency (EPA) Chuuk: DTPW, EPA Pohnpei: EPA, Office of Transportation and Infrastructure Kosrae: Kosrae Island Resource Management Authority, Department of Transport, til n a ld Infrastructure
Project Site	Yap, Chuuk, Pohnpei, Kosrae

Output 1	Organizational, institutional and financial capacities on solid waste management are enhanced/improved
	1.1. Suitable measures for sustainable financing of SWM are it en tified. (Yap)
Output 2	Capacity of providing public services on waste mun gement is enhanced
	2.1 Waste collection is expanded in Yap 2.2 The new waste disposal site to account measures for environmentally sound, efficient and safe disposal sites are managed in an environmentally sound and safe manner. (Kosrae)
Output 3	"3R+Return" System is promoted
OF	3. National regional approach is explored to optimize the recycling and return of collected recyclable waste. (Tederal Government) 3.2 Viable measures to improve the sustainability of 3R+Return of target waste streams are identified. (Yap, Chuuk, Pohnpei, Kosrae)
Output 4	The knowledge and experiences in the region are shared
-	No country-based indicator





























RMI

Counterpart	Environmental Protection Authority (EPA), Majuro Atoll Waste Company (MAWC), Kwajalein Atoll Local Government (KALGOV), Ministry of Works, Infrastructure and Utilities (MWIU), Majuro Atoll Local Government (MALGOV)
Project Site	Majuro and Ebeye

Output 1	Organizational, institutional and financial capacities on solid waste management are enhanced/improved
	None
Output 2	Capacity of providing public services on waste malage tent is enhanced
	None
Output 3	"3R+Return" System is promoted
	3.1. National / regional approach is explored to optimize the recycling and return of collected recyclable waste. (EPA) 3.2. Viable measure of improve the sustainability of 3R+Return of target waste streams are identified. (EPA, Majuro and Ebeye)
Output	1 b kk owledge and experiences in the region are shared
Or	No country-based indicator

























PNG

Counterpart	Conservation and Environment Protection Authority (CEPA), National Capital District Commission (NCDC)
Project Site	National Capital District (NCD), Kokopo, Alotau, Lae and Goroka

Output 1	Organizational, institutional and financial capacities on solid waste management (re-enhanced/improved
	1.1 The National Waste Management Policy including the development of a rational legislation on waste management is implemented.1.2 Solid Waste Management Plan is developed and implemented in the targeted ULLGs.
Output 2	Capacity of providing public services on wastern in agent ent is enhanced
	2.1. Capacities of solid waste management or Juding infrastructure management are improved.
Output 3	"3R+Return" System is promoted
	3.1 "3R+Return" system is proported through public-private partnerships.
Output 4	The knowledge in Lexperiences in the region are shared
	No country-based indicator

























Solomon Islands

Counterpart	Ministry of Environment, Climate Change, Disaster Management and Meteorology (MECDM) and Honiara City Council (HCC)
Project Site	Honiara, Auki, Tulagi and Gizo

Output 1	Organizational, institutional and financial capacities on solid waste management ar activated/improved
	1-1 Capacity on data / information management focusing on waste of MECDM is enhanced.
Output 2	Capacity of providing public services on waste management is inh in sed
	 2-1 HCC's capacity on waste collection and landfill operation. The supporting other semi-urban areas is strengthened. 2-2 Waste collection and transport services in Auki, rulagi and Gizo are improved. 2-3 Management of landfill sites in Tulagi. Auki, and Gizo are improved.
Output 3	"3R+Return" System is promote 1
	3-1 Practical ""Recycle" and " Leturn" model of plastic (i.e. PET) is examined through the pilot project.
Output 4	The knowledge and experiences in the region are shared
	N's coloury-based indicator

























Counterpart	Department of Environmental Protection and Conservation (DEPC)
Project Site	Port Vila, Shefa province and Luganville

Output 1	Organizational, institutional and financial capacities on solid waste management ar activated/improved
	1-1 The National Waste Management and Pollution Control Strategy (NWMPCS) the National Solid Waste Minimization Plan (NSWMP) and the National Plastic Strategy (NPC) are finalized. 1-2 Disaster Waste Management Plan (DWMP) is incorporated with Vational Disaster Management Plan (NDMP).
Output 2	Capacity of providing public services on waste management is enhanced
	2-1 PVCC's capacity on waste collection is improved. 2-2 Operation and management of Bouffa Landfill and Luganville Landfill are strengthened. 2-3 PVCC's capacity of supporting of the provincial centres is strengthened.
Output 3	"3R+Return" System is producted
	3-1 Awareness p og ar n e on waste literacy is developed through a pilot project including waste segregation.
Output 4	The mowledge and experiences in the region are shared
	No buntry-based indicator

























Counterpart	Implementing Agency: Ministry of Local Government and Municipal Councils
Project Site	Municipalities including delegated areas and informal settlements

Output 1	Organizational, institutional and financial capacities on solid waste management ar activated/improved
	 1-1 MMPs are continuously monitored and reported at biannually throughout the ριομος, period. 1-2 Financial capacity of municipal councils is enhanced. 1-3 Capacity of Disaster Waste Management is enhanced.
Output 2	Capacity of providing public services on waste management is enhanced
	2-1 Waste collection and transportation in areas o prior y (4) is enhanced. 2-2 Capacity of landfill management is strong bened. *4 Areas including Council area and parallel areas beyond boundary.
Output 3	"3R+Return" System is prony te
	3-1 Recycling activities are promoted through the collaboration between municipal councils and recycling partners
Output 4	The k lowledge and experiences in the region are shared
OF	No country-based indicator

























Counterpart	Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications (MEIDECC), Waste Authority Limited (WAL)
Project Site	Vava'u, Ha'apai, 'Eua, Niua

Output 1	Organizational, institutional and financial capacities on solid waste management are enhanced/improved
	1.1 WAL's mid-term business plan (MBP) is properly implemented. 1.2 Feasibility of SWM service for Niua islands is examined.
Output 2	Capacity of providing public services on waste management is emanced
	2.1. WAL's capacity on implementation of sustainable la a.i.l/ operation is strengthened in Tongan outer islands.
Output 3	"3R+Return" System is promoted
	3.1 Practical 3R+Return model is identified.
Output 4	The knowledge and experiences in the region are shared
	No country-pased indicator

























Counterpart	Ministry of Natural Resources and Environment (MNRE)
Project Site	All of Samoa

Output 1	Organizational, institutional and financial capacities on solid waste management ar activated/improved
	1-1 The new INWMS is developed. 1-2 Draft regulations for user pay system are submitted to the Cabinet for approval. 1-3 Preparatory measures are taken based on the DWMRP.
Output 2	Capacity of providing public services on waste management is enhanced
	2-1 The capacity of landfill data management is encanced.
Output 3	"3R+Return" System is promoted
	3-1 Coordination capacity of MIR's is strengthened. 3-2 Practical "Recycle" and "Resurn" model of plastic is examined through the pilot project with SRWMA.
Output 4	The knowledge and experiences in the region are shared
	No contry-bused indicator













































Output 4 Activities (common activities for all member countries)

Achievement goals	Objectively verifiable indicators	Activities
The knowledge and experiences in the region are shared	 4-1 By 2025, the upcoming strategy (post CP2025) is drafted in collaboration between each country and SPREP. 4-2 Good practices and lessons learnt become accessible to each country. 	 4-1 Each country presents annually on activities implemented, good practices and/or lessons learnt in the country and report to SPREP. (e.g. in occasions of CPRT and SC meetings) 4-2 Each country provides necessary information requested by SPREP for the
Related Project	ISLANDS Pacific Ocean	development of the upcoming strategy (post CP2025).
PacWastePlus Pacific WASTE MANAGEMEN	PACIFIC OCEAN LITTER PROJECT Sustainable Waste Actions in the Pacific	4-3 SPREP and Project Office accumulate and publish the good practices and lessons learnt.























Prioritized Activities at each country

most prioritized, O prioritized

							•	, -	1	
Activities on each Output	Palau	FSM	RMI	PNG	Solomon	Vanuatu	Fiji	Tonga	Samoa	
Output 1 : Organizational, institutional and financial capacities on solid waste management are enhanced/improved										
1. Organizational Capacity					0			0	0	
2. Institutional Capacity				0		0			0	
3. Financial Capacity	0	0		0			0		0	
4. Waste Management plan				0		0	0	0	0	
5. Disaster waste management						0	0		0	
Output 2 : Capacity of providing public	services o	n waste m	anagemen	t is enhan	ced					
Collection and transportation		0		0	0	0	0	0		
2. Final disposal site (landfill)	0	0		0	0	0	0	0	0	
3. Inter-municipal cooperation					0	0				
Output 3 : "3R+Return" System is prom	oted									
Recycling association				0	0				0	
2. 3R + Return System	0	0	0					0		
3. 3R + Return activities	0	0	0	0		0	0		0	
Output 4: The knowledge and experien	ces in the	region are	shared							
1. Mutual understanding among member sountries via devalenment of new "Cleaner Desifie"										

- Mutual understanding among member countries via development of new "Cleaner Pacific"
- 2. Effective utilization of good practices and lessons learned by using accessible tools



























Implementation Schedule

		1 st Term										2 nd	Term							
	20	2023 2024			2025 202				26 :			20	27	20	2028					
	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q
1) Work Plan Preparation																				
2) Project Activities																				
Output 1		0	rganiza	tional,	institut	ional a	nd fina	ncial ca	pacitie	s on so	olid was	ste mar	agem	ent are	enhan	ced/im	oroved			
Output 2		С	apacity	of pro	viding _l	public s	services	on wa	ste ma	nagem	ent is	enhanc	ed							
Output 3		"3	R+Ret	urn" Sy	/stem i	s prom	oted													
Output 4		7	The kn	owled	dge ar	nd exp	perien	ces in	the r	egion	are s	hared								
3) Data Reviews		Baselir	ne V	Vaste														Endline		
4) Trainings				★R	egion	al 1								ir ir	ı Japa	n	★R	egion	al 2	
5) Steering Committee				▲ 1 ^s	st SC	▲ CP	RT	△2 ^r	d SC			▲ 3 ^r	SC v	with C	PRT		△4 ^t	h SC	5 th S	C
6) JCC (at each country)			1st				2 nd				3 rd				4 th				5 th	
7) Monitoring Sheets					•				•				•				•			
8) Reports			▼ W	ork Pl	an 1	▼ P	rogres	s 1-1		Р	rogres	s 1-2 \		V	Nork P	lan 2	▼ Pi	rogres	s 2-1	
			•										•				Proje	ect Coi	npletio	on ▼























Implementation Structure (PNG)



Project Director

Managing Director, CEPA will be responsible for the overall supervision of the Project

Co-Project Manager

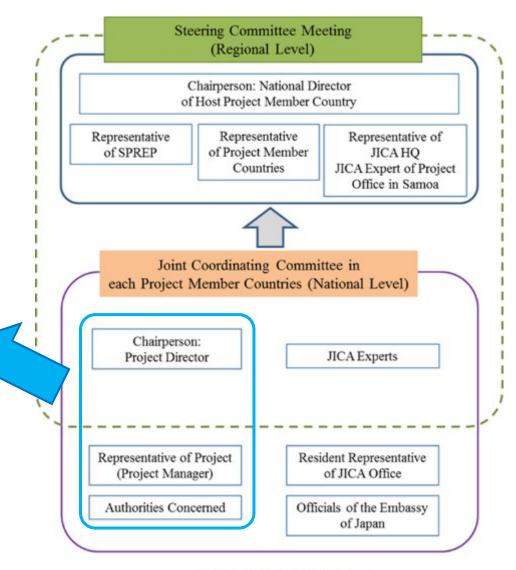
Manager, Infrastructure Utilities and Conventions Branch, CEPA, and Manager, Waste Management Division, NCDC, will be responsible for the implementation of the Project

Counterpart (C/P) personel

C/P personnel from CEPA, NCDC, Urban Local Level Governments of Kokopo, Alotau, Lae and Goroka are assigned to each Output described in the PDM and will work closely with JICA experts.

CEPA: Conservation and Environment Protection Authority

NCDC: National Capital District Commission





























Implementation Structure (FSM)

National Level

Project Director

Secretary, DECEM will be responsible for the overall supervision of the Project

Project Manager

Assistant Secretary, DECEM will be responsible for the implementation of the Project

Counterpart (C/P) personnel

C/P personnel from DECEM are assigned to each Output described in the PDM and will work closely with JICA experts.

State Level		Yap	Chuuk	Pohnpei	Kosrae				
	Project	Director	EO	EO	Director				
	Director	Yap DPW&T	Chuuk EPA	Pohnpei EPA	KIRMA				
	Project	EO	Director	Administrator	Director				
	Manager	Yap EPA	Chuuk DTPW	Pohnpei T&I	Kosrae DT&I				
	Other C/P	C/P personnel from above mentioned organizations							

DECEM: Department of Environment, Climate Change and Emergency Management

EPA: Environmental Protection Agency

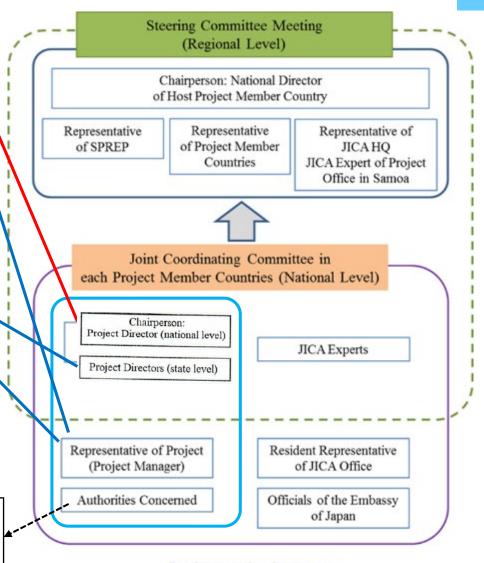
DPW&T: Department of Public Works and Transportation KIRMA: Kosrae Island Resources Management Authority **DTPW: Department of Transportation and Public Works**

T&I: Office of Transportation and Infrastructure

DT&I: Department of Transportation & Infrastructure

Authorities Concerned (Stakeholders)

To be discussed and invited























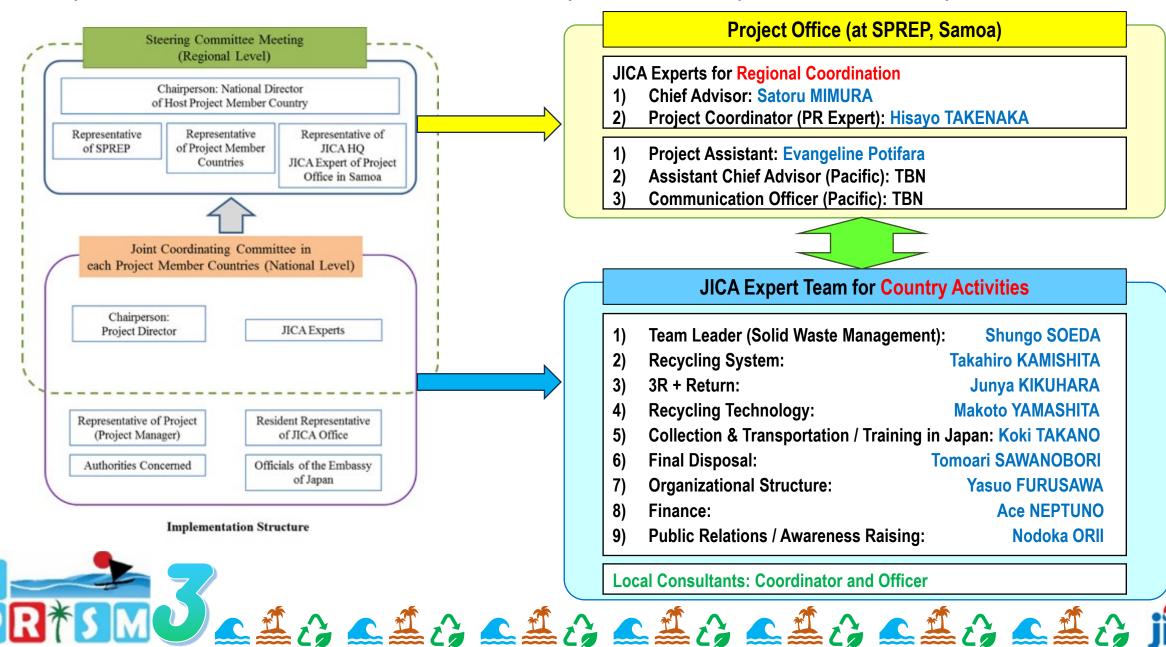








Implementation Structure (JICA Expert Team)



Facts and Challenges on J-PRISM 3





Aimeliik National Landfill









Recycling related Activities

































Yap Landfill







Kosrae Landfill





Pohnpei Landfill



https://www.facebook.com/100000037285546/video s/pcb.7447162635294905/385927647178956





























Recycling related Activities (Kosrae)







(Pohnpei)





(Yap)































Majuro Landfill









Ebeye Landfill



































Recycling related Activities (Majuro)









(Ebeye)





























Baruni Landfill









Recycling related Activities



































Final Disposal Site









Recycling related Activities































Samoa

Tafaigata Landfill









SRWMA































Ends of Drive, Fun, Dream, Excites...







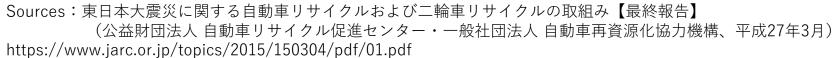






























We are watching YOU!!



























