

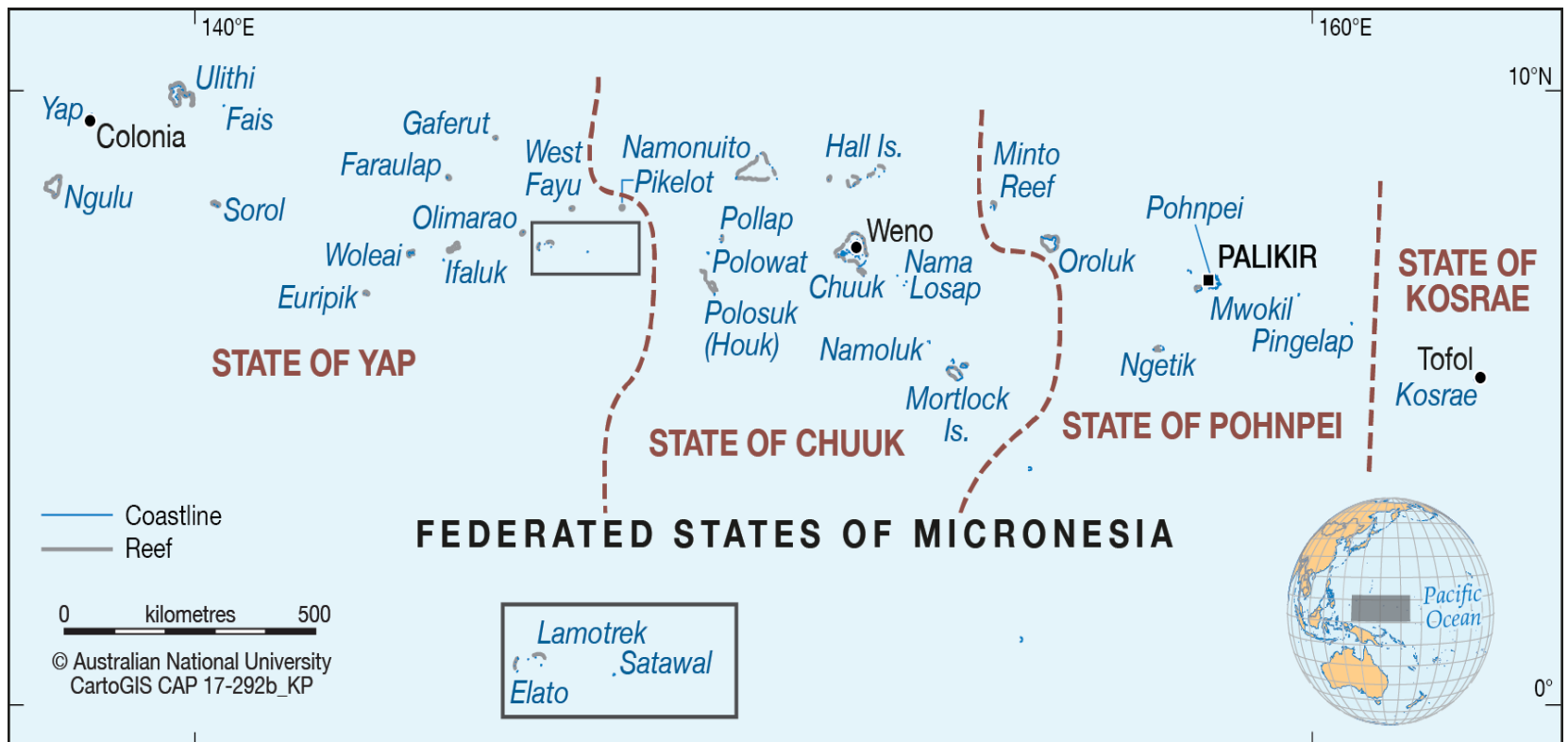


3Rs throughout the Federated States of Micronesia

State and National Governments of the Federated States of Micronesia

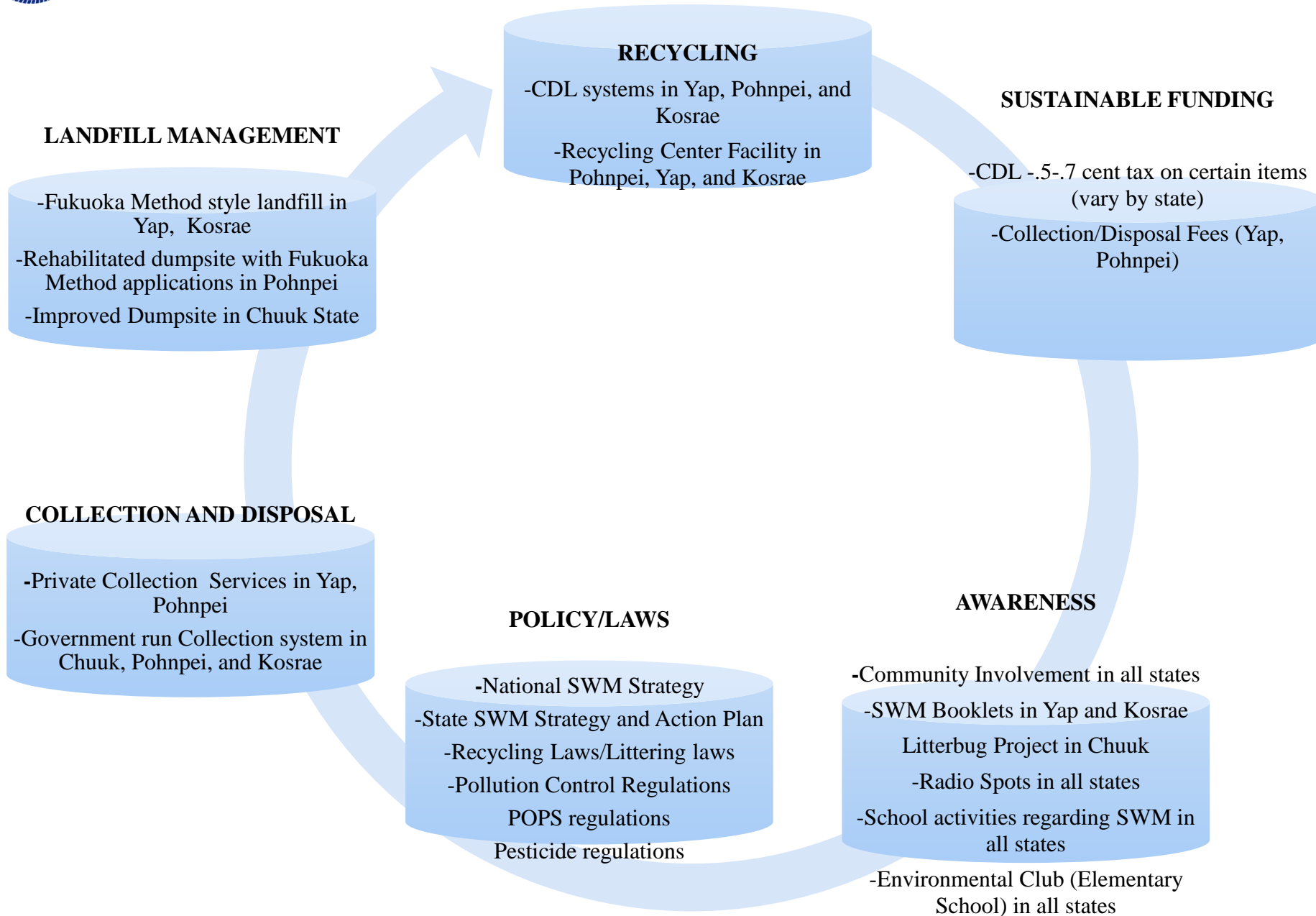
Outline

- Major achievements/new initiatives
- Critical Challenges faced
- Major plans for the future





Major achievements



Policy

	Yap	Chuuk	Pohnpei	Kosrae	National
<i>Policy/Strategies/Laws</i>	-Solid Waste Management Strategy (2018-2027) -Environment Act	-Solid Waste Management Strategy (2019-2028) -Environment Act	-Solid Waste Management Strategy (2020-2029) -Environment Act	-Solid Waste Management Strategy (2018-2027) -Environment Act	-Solid Waste Management Strategy (2015) Updating Status -Title25 (2015)
<i>Regulation (SWM)</i>	-Solid Waste Management Regulations (2015-03)	-Solid Waste Management Regulations (PL2-94-01)	-Solid Waste Management Regulations (1995)	-Solid Waste Management-Regulations	-Regulation to CONTROL TRANSBOUNDARY MOVEMENTS OF HAZARDOUS WASTE AND TO BAN POPs IN ACCORDANCE WITH BASEL, WAIGANI, AND STOCKHOLM CONVENTIONS (2015)
<i>Littering Law</i>	-Littering (Yap State Law 3-74)	-Littering (CSL- 191-33)	-Littering (SL. No 6L-66-06)	--Littering Law • Title 19 of the KSC – Environmental Protection & Management 1. Subchapter B, Sect. 19.502 (Littering)	
<i>Plastic Law</i>	-Plastic shopping bag ban (2015)	-Clean Environment Act (2018)	-Plastic bag ban (2011)	-Plastic bag ban (2019)	-One time -use Plastic bag/Styrofoam and Food Service items ban -imports (2020)

Policy -Continued

	Yap	Chuuk	Pohnpei	Kosrae	National
<i>Container Deposit Legislation (CL)</i>	-Yap's CDL Law and Program covers 4 categories only ie Alum Bev Containers, PET Plastic Bev Containers, PET Cooking Oil Containers, and Glass Bev Bottles; Yap Recycling Operator does take in additional materials directly and through own initiative supporting the YSSWMS but these items are not technically included under the CDL Program	-Proposed CDL will include Aluminumcans, PET bottles, and Car Battery	-Container Deposit Legislation (2011) - aluminumcans only	-Container Deposit Legislation (2006) PET Beverage, Glass, Aluminum, Car Battery) (.7 cents deposit tax on aluminum cans, PET bottles and glass bottles) • 5 cents reimburse • 2 cents for operator (\$4.00 tax on vehicle batteries) • \$3.00 reimburse • \$1.00 for operator	
<i>Air Quality</i>	-Air Quality Regulations (2015-01)				
<i>Pollution</i>	-Yap Environmental Quality Protection Act, Marine Vessel Environmental Clearance, Oil Spill Reporting, Drinking Water Regulations, Environmental Requirements for Transport Vessels, SWM Regulations		-Air Pollution Control Standards and Regulations(3L-26-92)	Pollution Law •Title 19 of the KSC - Env. Protection & Management: 1. Subchapter – B, Sect. 19.503 –Fouling of public rivers and public water supply. 2. Subchapter – B, Sect. 19.504 - Polluting 3. Subchapter – B, Sect. 19.505 – Contamination of fishery waters	
<i>POPs</i>	-POPs Regulations			Title 19 Subchapter C of the KSC - Persistent Organic Pollutant (2013)	-National Implementation Plan (Updated version)
<i>Pesticide</i>	-Pesticide Regulations		-Pesticide Regulations(1995)	-Pesticide Regulations	
<i>Conventions</i>					-Stockholm Convention -Basel Convention -Noumea Convention

Awareness

	Yap	Chuuk	Pohnpei	Kosrae	National
<i>Awareness</i>	<p>-3Rs (schools and communities)</p> <p>Where to take your waste: CATEGORY A: <i>Island Paradise Recycling Center-</i></p> <p>-Pet beverage & Cooking Oil Containers-Aluminum Beverage Containers and other Aluminum</p>	<p>-3Rs (<i>schools and communities</i>)</p>	<p>-3Rs (<i>schools and communities</i>)</p> <p>-ENVIRONMENT CLUB <i>(selected elementary schools are part of a club that address waste management issues)</i></p>	<p>-3Rs (<i>schools and communities</i>)-</p>	<p>-3Rs (<i>in general</i>) in collaboration with states</p>
	<p>-Glass Bottles-Car Battery- Other metals and tin-Home Appliances (airconditioner, freezer,washer, refrigerator)- E-waste (computers, T.V., and radio)</p> <p>CATEGORY B: <i>Yap State Public Landfill Site</i>-Plastic bags,cups,and plastics packaging-Plastic Fork and Spoon-All kinds of styro-foam-Rusted metals and tin-roofing sheets-diapers-tire-other home appliances-All other waste not in category A and Category C</p> <p>CATEGORY C: <i>Yap State Environment Office</i> -Dry Cell batteries-Lithium Batteries-Waste Petrol Oil Containers-Waste Paint and Thinner Containers</p>				
	<p>-Student Field Trips to dumpsite</p>	<p>-Student Field trip to dumpsite</p>	<p>-Student Field Trip to dumpsite</p>	<p>-Student Field trip to landfill</p>	<p>-Waste Survey Activities with students</p>

Landfill Management/ Collection and Disposal

	Yap	Chuuk	Pohnpei	Kosrae	National
Landfill Management	-Utilizing Fukuoka Method of Sanitary Landfill; operated and maintained by a private contractor through the Dept of Public Works & Transportation;	-Dumpsites and Marina: "Neouo dumpsite" "Marina" "Nepukos dumpsite" managed by Chuuk State DPW	-Rehabilitated Dumpsite with Fukuoka Method Applications <i>(since 2014 "Dekehtik dumpsite"</i> managed by Private Waste Company (PWMS) contracted by Pohnpei State Office of T&I	-Fukuoka Method <i>(since 2011)</i> - "Tofol landfill" managed by Kosrae State DT&I	
Illegal dumpsites		-Over 1,000 (main and outer island)	-Over 1,000 (main and outer island)	3 illegal dump sites were closed in 2017 (trash transported to the centralized dump site and later filled up)	
Collection & Disposal in the outer islands	- Direct burying or burning of waste;	-Households either burn or dig a hole for disposal	-Household either burn or dig a hole for disposal; dispose by boat carrier to landfill	-No outer islands	
Collection & Disposal	-Waste collection service is via private contractor through the Dept of Public Works & Transportation;	-Department of Public Works collect trash from household and businesses on a weekly basis (FREE SERVICE to PUBLIC)	-Division of Transportation and Infrastructure has contracted Pohnpei Waste Management Services (PWMS) to manage dumpsite- PWMS collects from households and businesses for a fee- Trash Kings collects and households and businesses for a fee- Each municipal government (Kolonias, Uh, Sokehs, Kitti, Nett, Madolenihmw) has a collection system with dump trucks servicing collection and disposal--	<ul style="list-style-type: none"> -Department of Transportation and Infrastructure have implemented an Inter-municipal collection system which includes all 4 municipalities with two collection trucks • Only Lelu Municipality Office have a collection system with a fee of \$3.00/month and collection conducted weekly • Many households transport their own trash to the centralized Fukuoka Dump site in Tofol. • Several Trash Trucks donated by Japan through JICA program to the municipal offices and the DT&I since early 2000 	
Collection Bins	-Trash bins are utilized in public places	-Public bins placed throughout Moen--the commercial center	-Public Collection service: Free bins are provided to households that request for collection service; collection service rate is \$10.00 a month and trash is collected every week	-Trash bins are utilized in public places	

Collection and Disposal

	Yap	Chuuk	Pohnpei	Kosrae	National
<i>Collection Points</i>	-Waste collection points are identified via contract with private contractor through DPWT; additional collection points can be established directly between contractor and private businesses/households.	-By Municipality via "HORN COLLECTION" Chuuk State Government Department of Public Works implements Collection and Disposal services for free	-By municipality (household stops) Private Company contracted by Pohnpei State Government DTPW to implement collection and disposal services for a fee and manage dumpsite	-By Municipality and INTER ISLAND COLLECTION -Kosrae State Government DT&I/PW implement collection and disposal service to Municipalities for free	

Recycling

	Yap	Chuuk	Pohnpei	Kosrae	National
<i>Recycling Centers</i>					
	-Island Paradise Company	<p>* Chuuk has already identified a private company with its own building. Location is next to the loading/unloading dock as well as the main dock (harbor). Company is another shipping agency on the island.</p> <p>* MOU between state government and company under final review by AG</p> <p>*2 balers (crushing machine for aluminum cans) donated by Japan.</p> <p>*Hopefully within the next two months (Feb or March) kick off</p>	-Kolonia Town Recycling Center-Madolenihmw Redemption Center-Dekehtik Recycling Center with equipment	<p>-Micronesia Eco / now temporarily operated by KIRMA</p> <p>• Currently only one aluminum baler – no plastic baler and no Glass crusher</p> <p>•2023 4th - Will receive equipments donated by Japan/JICS</p> <ol style="list-style-type: none"> 1 - Aluminum balers 2 - PET Bottle Compressor 3 - Glass Crusher 4 – Cargo Truck 5 – Hand Pallet Trck 6 – Ridged hull inflatable boat 	

Critical Challenges faced

- Lack of viable recycling system -lack of market for specific commodity; aluminum cans are the only recyclables in one state,
- Limited funding -in addition to CDL systems; a sustainable financing mechanism needs to be in place in some states,
- Infrastructure system is limited -need small scale equipment to manage certain waste streams, limited space to store bulky waste
- Manage on-going outreach as there are many places to reach
- Lack of return program that will affect the minimization of waste by returning used items to be recycled
- National Govt to better clarify and enforce national law on ban of certain disposable items; PET Plastics pose very high risk due to collection but no alternate reuse methods or off island recycling buyers

Way Forward

- Work Collaboratively with regional and international partners to ensure a viable recycling system is in place
- Seek funding support to strengthen capacity building and on-going recycling efforts, including recycling facility, and aim to build upon sustainable systems

Thank you

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