



*Japanese Technical Cooperation Project for **P**romotion of **R**egional **I**nitiative on
Solid Waste **M**anagement in Pacific Island Countries*

Regional Model of Cooperation in PICs

5th Regional 3R Forum for Asia and the Pacific
Surabaya, Indonesia
27 February 2013

Presentation Contents

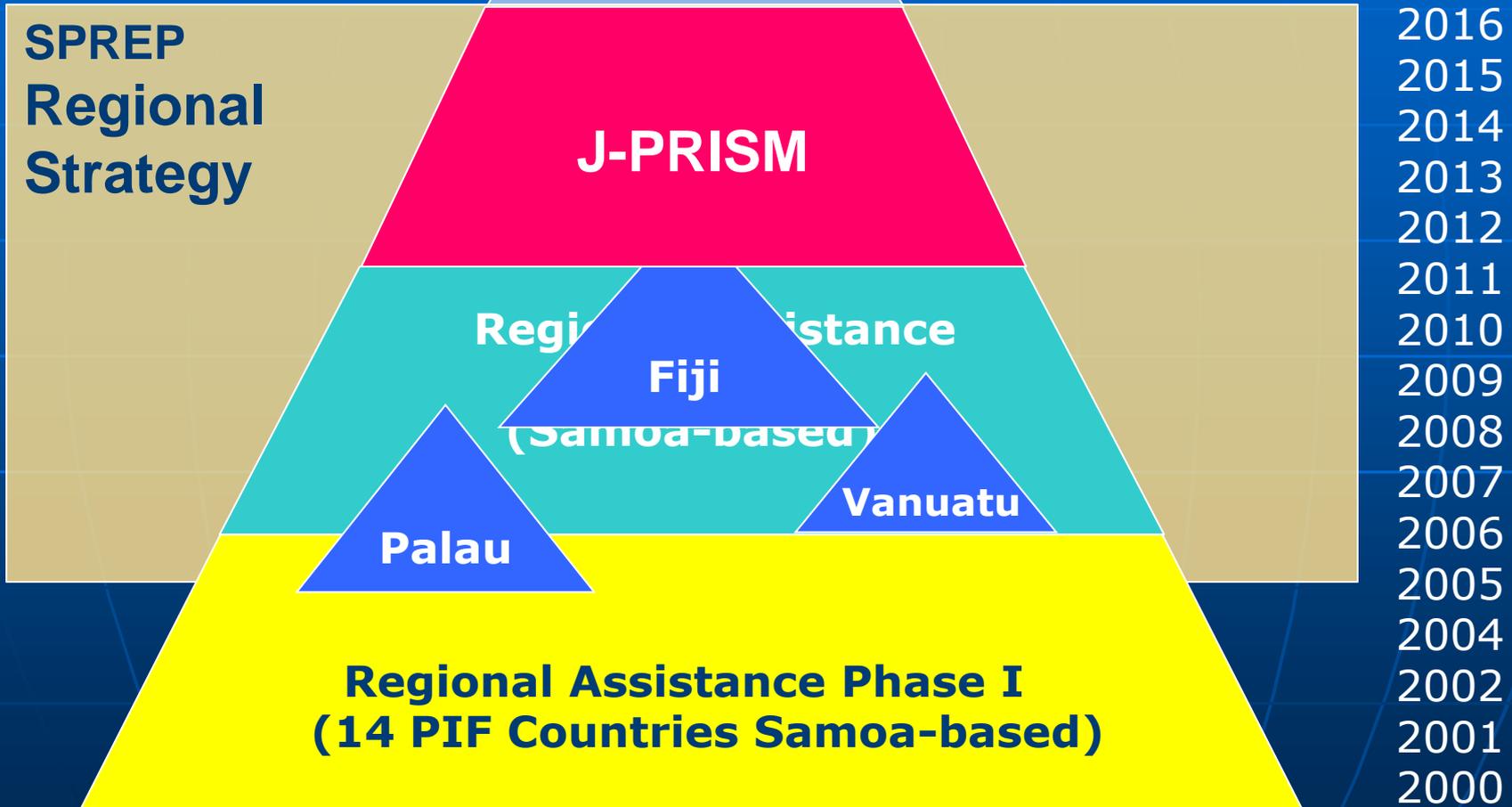
1. Introduction to J-PRISM
2. Challenges to promote 3R + “Return”

1. Introduction to J-PRISM

JICA/SPREP Solid Waste Initiative

- Dispatch of JICA Expert to **SPREP** (2000)
- Regional Training on SWM in **Okinawa** (2001, 2003, 2005) and **Samoa** (2002, 2004, 2007)
- Rehabilitation of **Samoa's** dumpsite (2002-2005)
- **Regional SWM Strategy** (2005, 2009)
- Bi-lateral technical Cooperation Project in **Palau** (2005-2008)
- Bi-lateral technical cooperation project in **Vanuatu** (2006-2008)
- Bi-lateral technical cooperation project in **Fiji** (2008-2011)
- **Regional SWM Project, J-PRISM assisting 11 countries in the Pacific Region (2011-2016)**

Japan's Assistance on Solid Waste Management in PICs



Framework of the J-PRISM

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

•Background:

Based on the official requests from **11 countries** to the Government of Japan in 2009 JFY and subsequent acceptance of the requests, a regional project, J-PRISM Project, has been formulated in consultation with respective countries in 2010. The Regional Cooperative Framework was signed by 13 countries at Madang, PNG on Sept. 7, 2010.

•**Project Period:** 5 years (Feb. 2011-Feb. 2016)

•**Target:** 11 PIF countries

•11 Project member countries (FSM, Fiji, Kiribati, Marshall Islands, Palau, PNG, Samoa, Solomon Islands, Tonga, Tuvalu and Vanuatu)

Structure of J-PRISM

- Objective is to strengthen the region's capacity through implementing the **RS2010-2015** at both national and regional levels



Regional exchange and capacity development

- **Dispatching local experts**
- **Training programs (regional, sub regional, and in-country training/workshop)**
- **Country attachment Program**
- **Study visit Program**
- **Trainers dispatch Program**

Dispatching local experts

Local experts who gained technical skills through previous JICA projects are working for J-PRISM as experts and playing various roles including those of facilitators and trainers for national and regional activities.



Local expert from Vanuatu was invited as trainer in the training held in Yap, FSM



Local expert from Samoa was invited as trainer in the pilot project for rehabilitation of dumpsite in Pohnpei, FSM

Training programs (regional, sub regional, and in-country)

Group training has also been implemented using local human resources and facilities/sites with the aim of providing technologies, expertise and solutions for the issues common to the whole region, or to subsets of countries.



↓ Regional Training on
3R with Shibushi Project,
Fiji

↑ Regional Training on
Landfill Management in
Yap, FSM



↓ J-PRISM/ILO Regional
Training on OS & H, Samoa



Country attachment / Study visit Program

Country attachment - Staff members working for a waste management related organization in a target (beneficiary) country are sent to a counterpart organization in another country for a certain period of time, to learn specific skills, knowledge, and expertise through on-the-job training (OJT).

Study visit - The host country organization plans a range of site visits and lectures that respond to the needs of the partner countries.



**Country Attachment
from Solomon to
Vanuatu**



**Study visit to Fiji (Samoa
counterparts)**



**Study visit to Fiji (Solomon
& Tonga counterparts)**

Trainers dispatch Program

The Trainer Dispatch programs is to dispatch experts from resource countries to target countries to introduce programs or provide technical advice and coaching



from Fiji to Kiribati

from Fiji to Solomon Islands



Develop the Human Resources Inventory with SPREP

The screenshot shows a web browser window titled "MainMenu". The page has a light green header with the "CLEAN PACIFIC" logo on the left and the text "PIDOC Pacific Islands Database of Capacity Building Activities in Waste Management" on the right. Below the header, there are two main sections: a "MENU" section on the left and a "Keyword Search..." section on the right. The "MENU" section contains four buttons: "Add new event", "View or edit event details", "View or edit participant details", and "Create a report". The "Keyword Search..." section contains a text input field and a "Search" button. At the bottom of the page, there is a footer with the text: "Created by Esther Richards (estrich@yahoo.co.uk) for The Secretariat of the Pacific Regional Environment Programme (SPREP)".

MainMenu

CLEAN PACIFIC

PIDOC
Pacific Islands Database of Capacity
Building Activities in Waste Management

MENU

Add new event

View or edit event details

View or edit participant details

Create a report

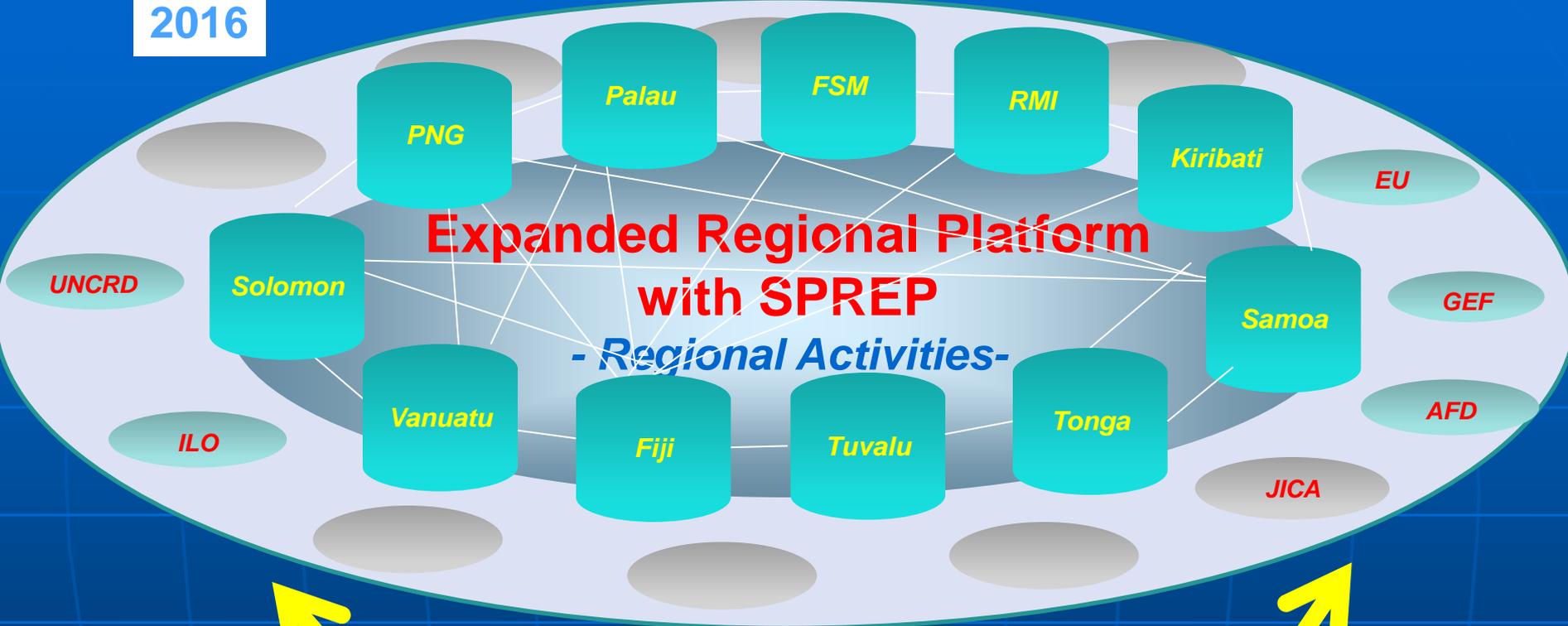
Keyword Search...

Search

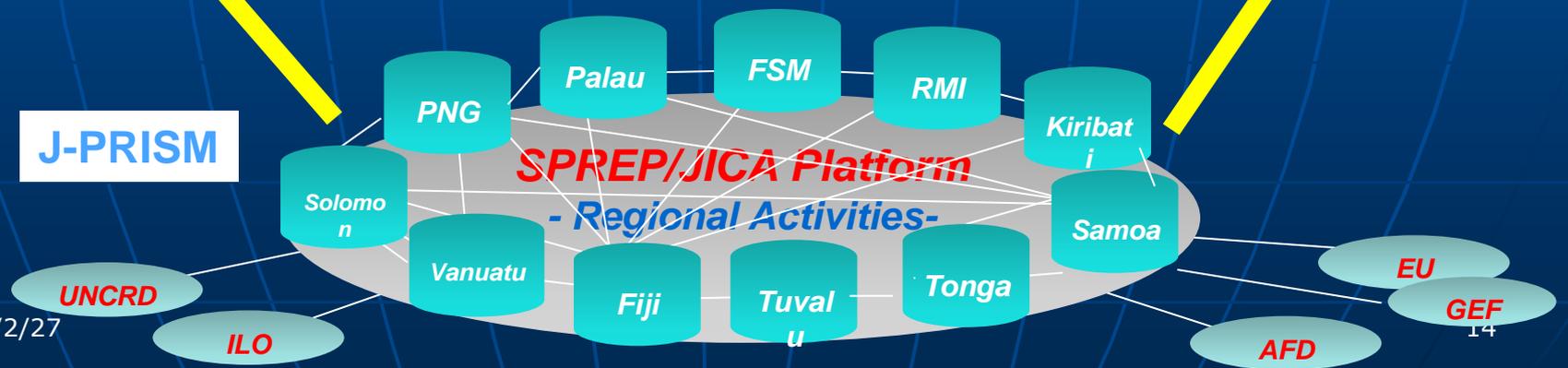
Created by Esther Richards (estrich@yahoo.co.uk) for
The Secretariat of the Pacific Regional Environment Programme (SPREP)

Sustainable platform through Multilayer/Multilateral Cooperation

2016



J-PRISM



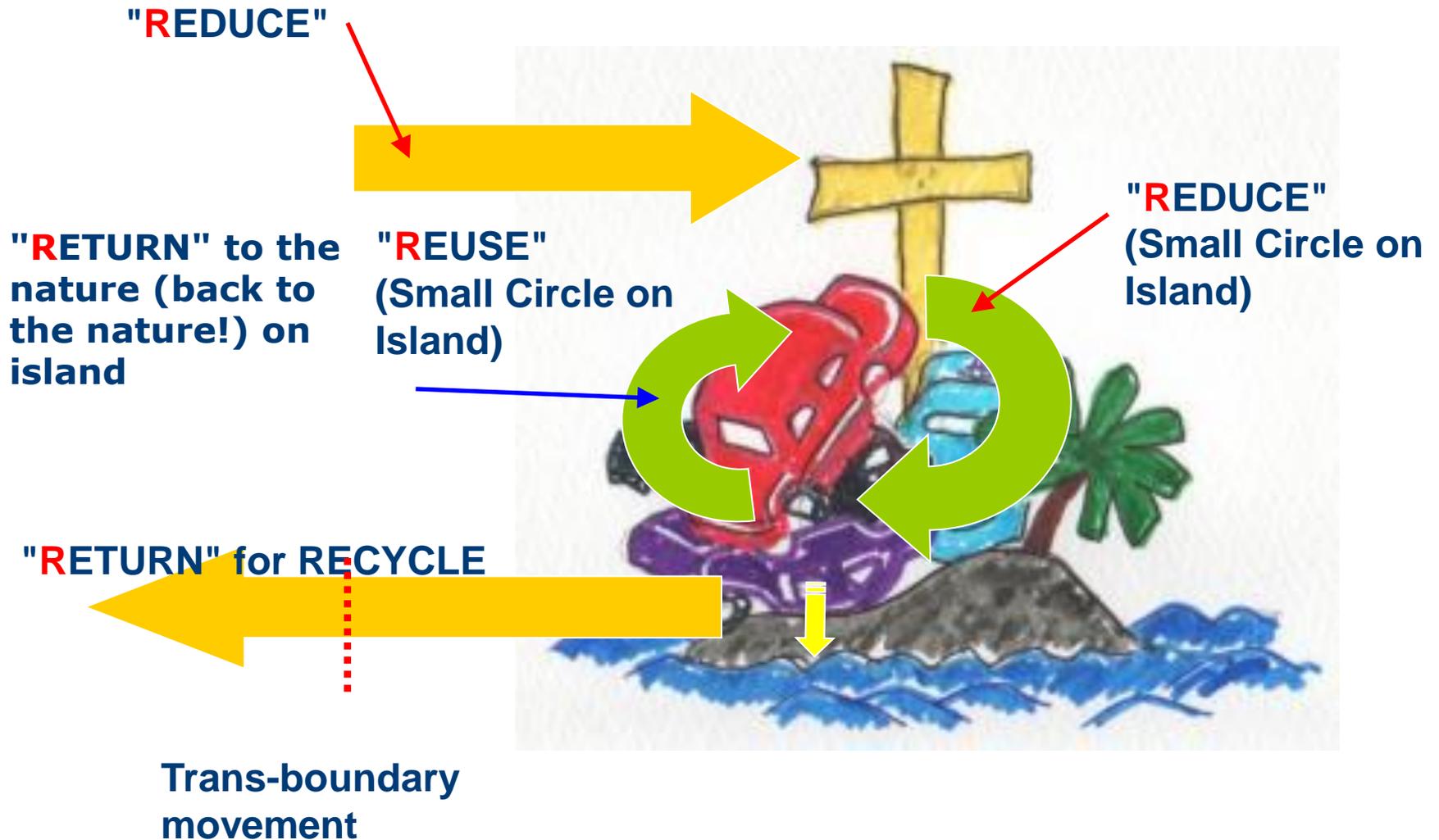
2014/2/27

2. Challenges to promote 3R+“Return”

This is what you will see in the future.



This is what we need to consider.



Ha Noi Declaration

- Fourth Regional 3R Forum in Viet Nam, Mar. 2013

GOALS

MONITORING INDICATORS

IV. 3R Goals for Cross - cutting Issues

30) Pay special attention to issues and challenges faced by developing countries including SIDS for achieving sustainable development.

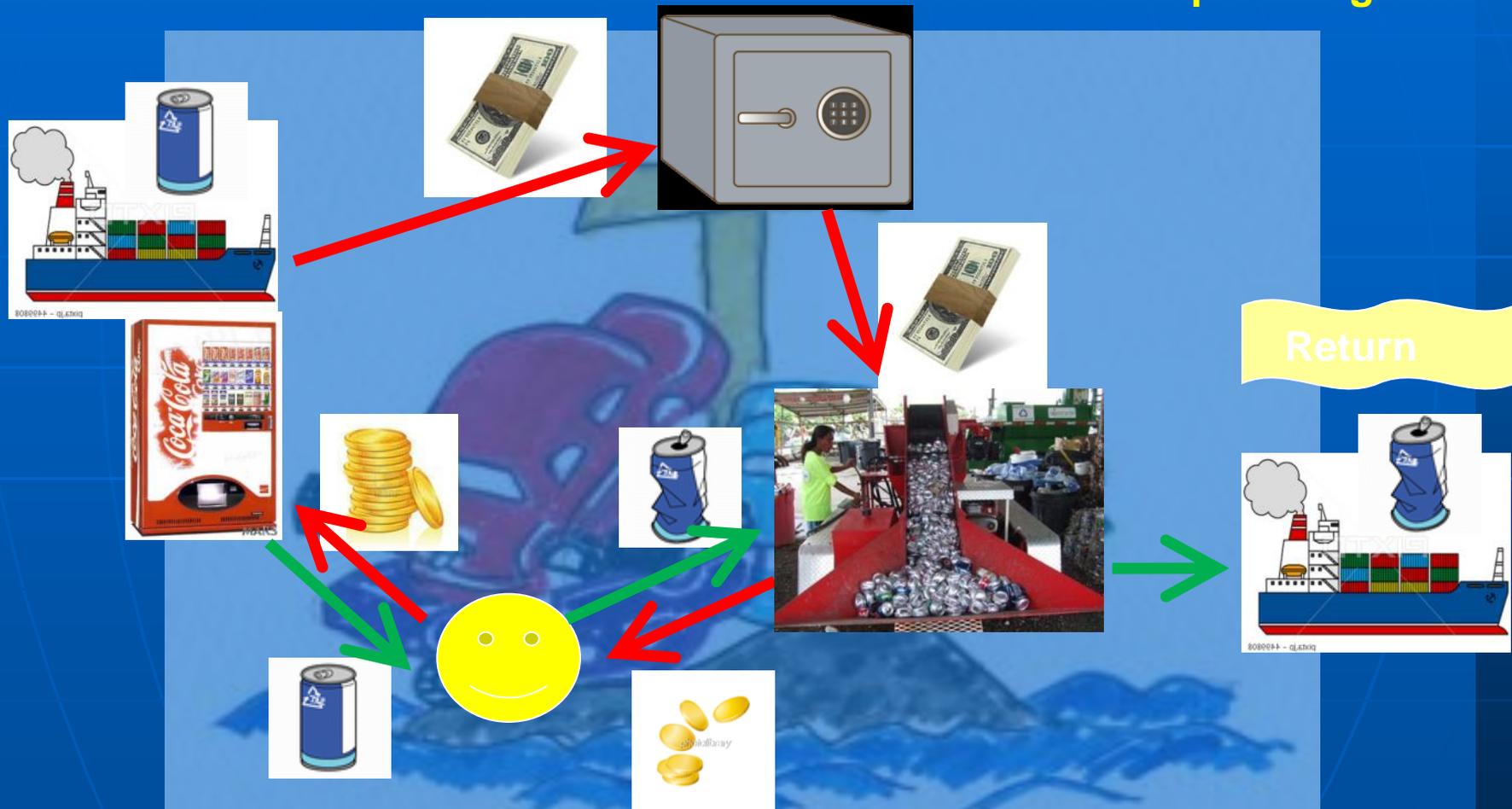
- Number of 3R related projects implemented.
- Number of 3R related projects linked to Climate Change, Biodiversity, Disaster Management, Tourism and Industry.

31) Promote 3R + "Return" concept which stands for Reduce, Reuse, Recycle and "Return" where recycling is difficult due to the absence of available recycling industries and limited scale of market in SIDS, especially in the Pacific Region.

- Number of the countries that have developed the 3R (+ "Return") strategy.
- Number of countries that have developed and implemented economic instruments such as the **container deposit program**, etc.
- Number of recycling companies/organizations that have been trained on basic technique for recycling (preliminary processing).
- Implement of periodical review on "Return" **collaboration between Asia - Pacific through 3R Forum in Asia.**

CDL as an example of Economic Instruments/Mechanism for "Return"

Container Deposit Legislation



Regional Training by J-PRISM

Container Deposit Legislation/Composting in Palau

- **Date:**
4-7 November 2013
- **Purpose:**
 - Improvement on CDL and development of CDL
 - To promote compost activities
 - Capacity Development for Palau CPs
- **Venue:**
Palau
- **Participants:**
Palau, FSM, Samoa C/P of J-PRISM
- Total amount of participants are 34 including observer and JOCV.

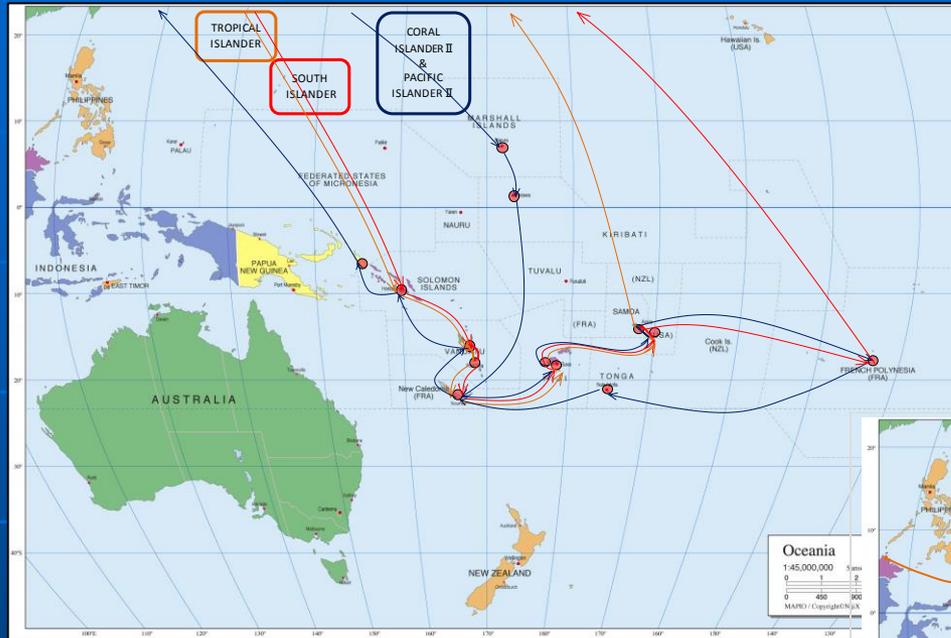


Recyclable Waste Goods flow for all 5 PICs

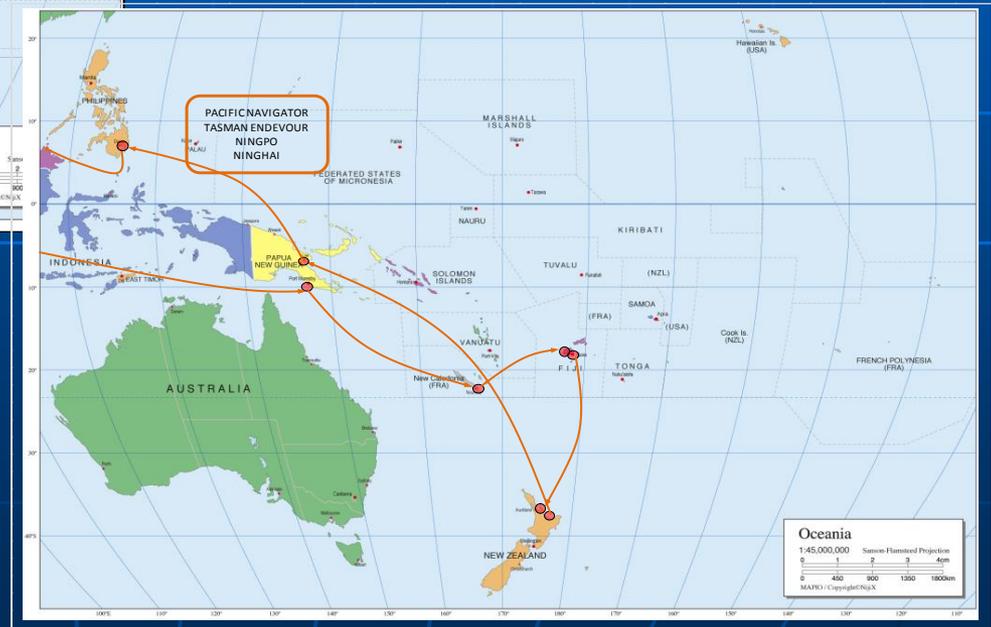
Item		Fiji	Samoa	Tonga	Tuvalu	Vanuatu
1	Recyclable Waste Goods (t/yr)	75,368	16,419	6,509	414	16,383
	- Vehicles share of total RWG	15%	17%	37%	14%	17%
	- White Goods	3%	2%	3%	4%	1%
	- Other Metal Products	51%	52%	26%	15%	53%
	- Steel Cans	3%	5%	8%	14%	3%
	- Aluminum Cans	2%	3%	6%	2%	3%
	- Pet bottles	4%	10%	6%	5%	7%
	- Paper & Cardboard	22%	11%	14%	46%	16%
2	Recycled Waste Materials (t/yr)	38,218	4,133	584	113	4,601
	- Scrap Metal share of total RWM	51%	25%	9%	27%	28%
	- Scrap Metal share of total RWG	48%	25%	9%	27%	28%
	- Pet Bottles	1%	0%	0%	0%	0%
	- Paper & Cardboard	2%	0%	0%	0%	0%
3	Recycled Material Market	38,218	4,133	584	113	4,601
	- Export share of total Market	51%	25%	9%	27%	28%
	- Export share of total RWG	50%	25%	9%	27%	28%
	- Domestic	1%	0%	0%	0%	0%
4	RWG to Landfill or Abandoned	37,150	12,286	5,925	301	11,782
	- RWG to Landfill or Abandoned	49%	75%	91%	73%	72%

Essential relationship between Asia and the Pacific

Shipping Route to Asia



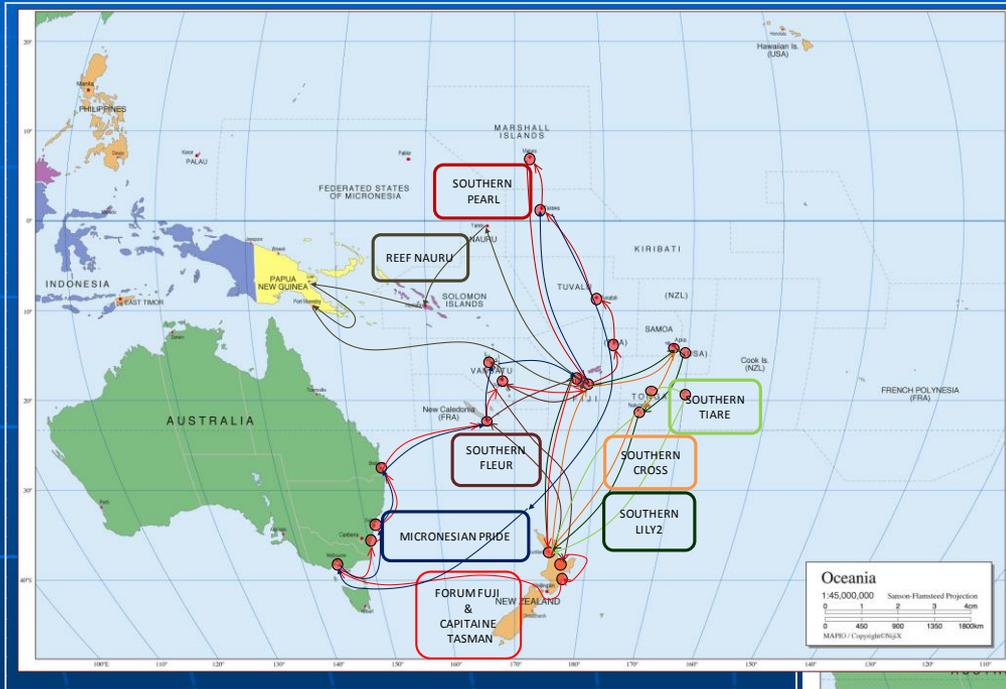
To Japan/Korea



To Singapore

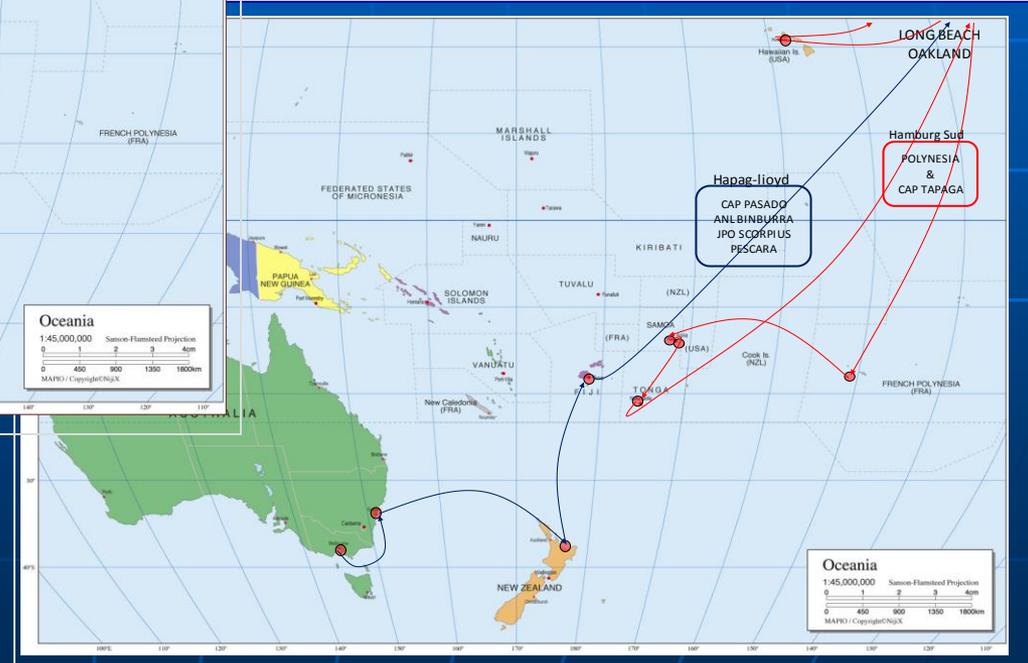
Essential relationship between Asia and the Pacific

Shipping Routes to Australi/NZ and the US

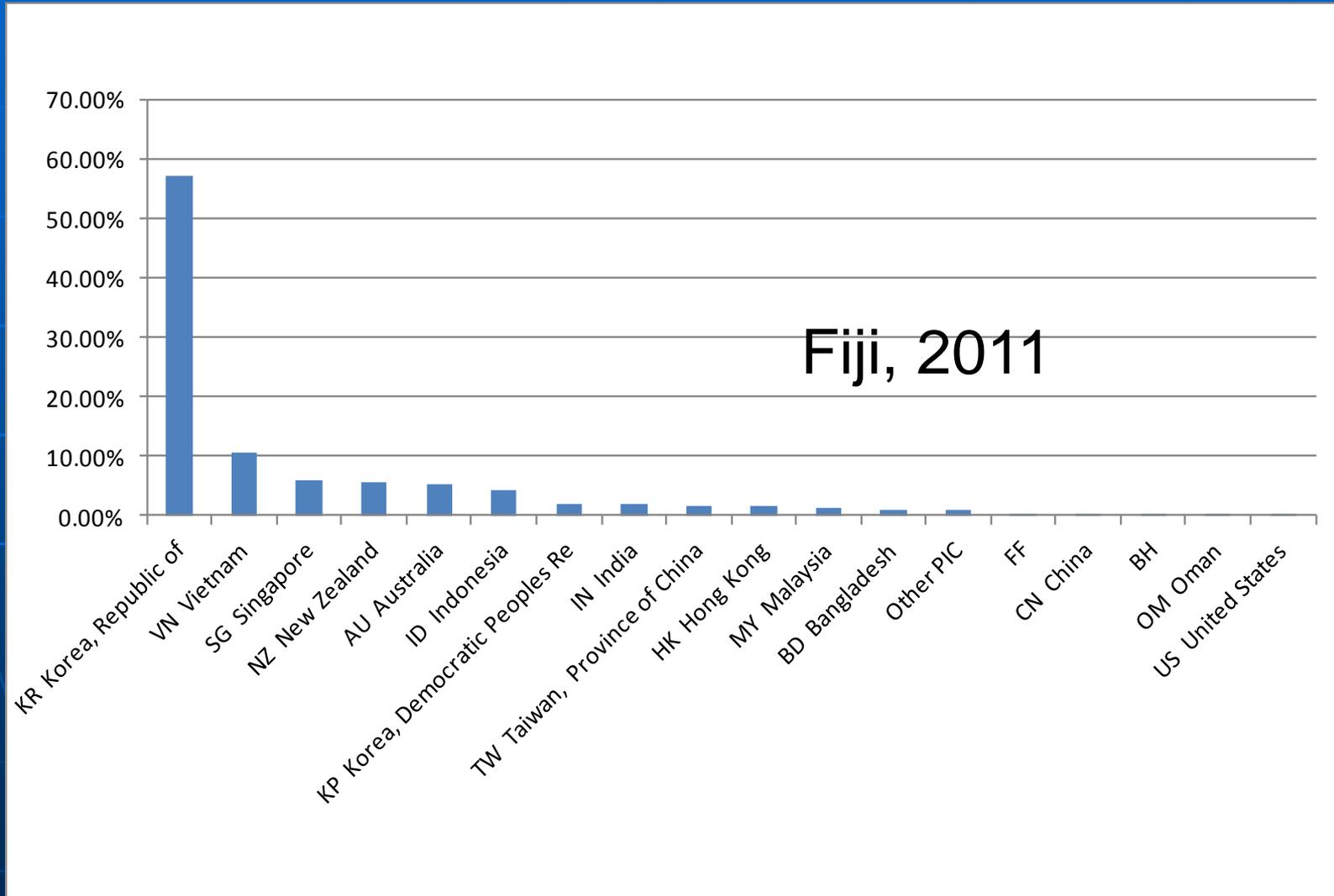


To Australia & NZ

To the United States



Recycled Waste Materials Exports destinations



Proposal for 3R + Return

- Expansion of CDL(Deposit-Refund) system at the national level
- Establishment of Information Platform for recycling at the regional/inter-regional level
- Discussion for possibility of establishing Regional Recycling Center in collaboration with all stakeholders in Asia & the Pacific (especially for Bulky waste, End-of-life Vehicle, e-waste, etc)

