



JICA's Assistance toward the Sustainable Management of Coral Reefs in the Pacific Region



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1. Introduction

Pacific Countries

Image : Crystal Clear Ocean, White Sandy Beach, Home of Coral Reefs

Reality: Facing Problems of Island Countries



**What can we do?
What could we achieve?**

2. JICA's Covering Countries in the Pacific Region

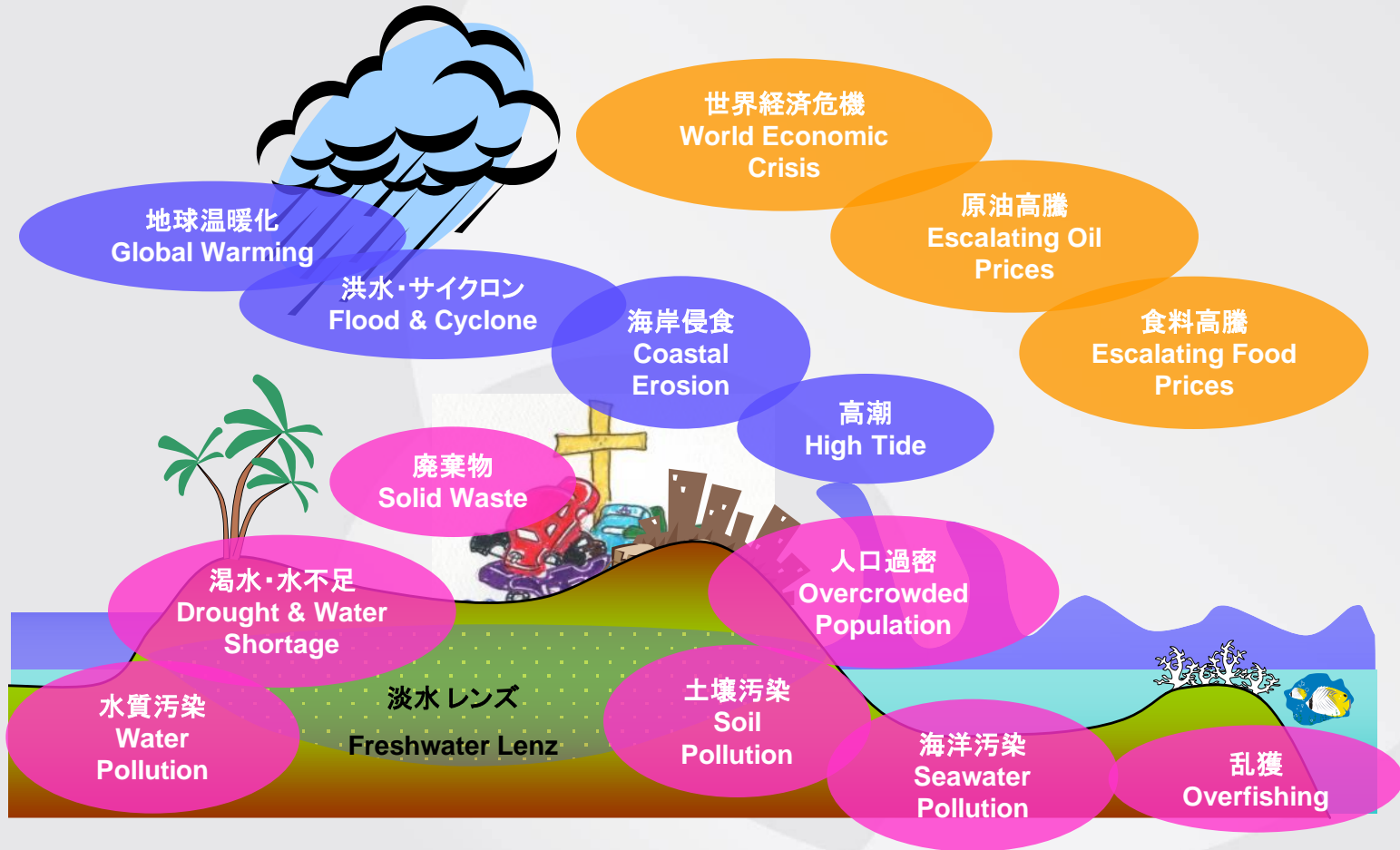


14 Countries and Territory

Palau, FSM, RMI, PNG, Solomon Islands, Vanuatu, Fiji, Tonga, Samoa, Kiribati, Tuvalu, Cook Islands, Niue, Nauru

3. Challenges in the Pacific Region

Smallness, Isolation, Remoteness



4. JICA's Priority Areas for Assistance in the Pacific Region

環境・気候変動
Environment &
Climate Change



防災
Disaster
Management

廃棄物管理
Waste
Management

教育
Education



保健
Health

インフラ
Infrastructure

5. Challenges of Environment & Climate Change Sector in the Pacific Region

- 1) **Population Increase**
1.5 times by 2030
- 2) **Coastal Development**
pollution, solid waste
- 3) **Change of Life Style**
weakness of tradition
- 4) **Climate Change**
coastal erosion
- 5) **Lack of Governmental Support**



**Environmental
Impacts**



Food Security



Biodiversity



Mangrove



Waste Management



Remote Islands



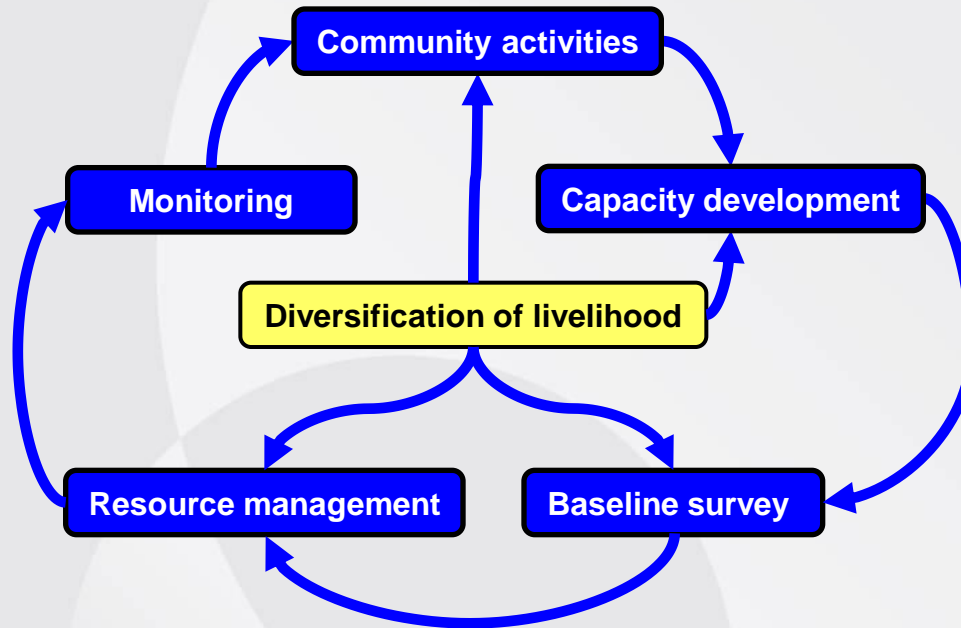
Climate Change



6. JICA's Projects of Environment & Climate Change Sector in the Pacific Region

No	Program	Scheme	Country	Project
1	Climate Change Adaptation	SATREPS	Tuvalu	Project for eco-technological management of Tuvalu against sea level rise
2		TCP	Tuvalu	The study for assessment of ecosystem, coastal erosion and protection/rehabilitation of damaged area in Tuvalu
3		TCP	Tuvalu	Project for pilot gravel beach nourishment against coastal disaster on Fongafale Island
4	Recycling Society	TCP	Regional	Project for promotion of regional initiative on solid waste management in Pacific island countries
5		TCP	Fiji	Waste minimization and recycling promotion project
6	Environmental Protection	TCP (Expert)	Regional	Advisor for sustainable management of coastal resources
7		TCP (Expert)	Regional	Fisheries community development advisor
8		TCP (Expert)	Tonga	Coastal resource management and development
9		TCP	Vanuatu	Project for promotion of grace of the sea in coastal communities (Phase2)
10		SATREPS	Palau	Project for sustainable management of coral reef and island ecosystems: responding to the threat of climate change
11		TCP	Regional	Project for Sustainable Management of Coral Reef and Island Ecosystems: Responding to the Threat of Climate Change
12		Training	Regional	Training for fisheries extension officer in island countries
13		Grassroots	Fiji	Rural coastal community new livelihoods project (Milk fish aquaculture)
14		Grassroots	Fiji	Assistance for the Sustainable Rural Development and Governance on Gau Island
15		F/U	Vanuatu	Project for promotion of grace of the sea in coastal communities
16	F/U	Fiji	School of Marine Studies, University of South Pacific	

7. Case① Project for promotion of grace of the sea in coastal communities (Phase2) in Vanuatu

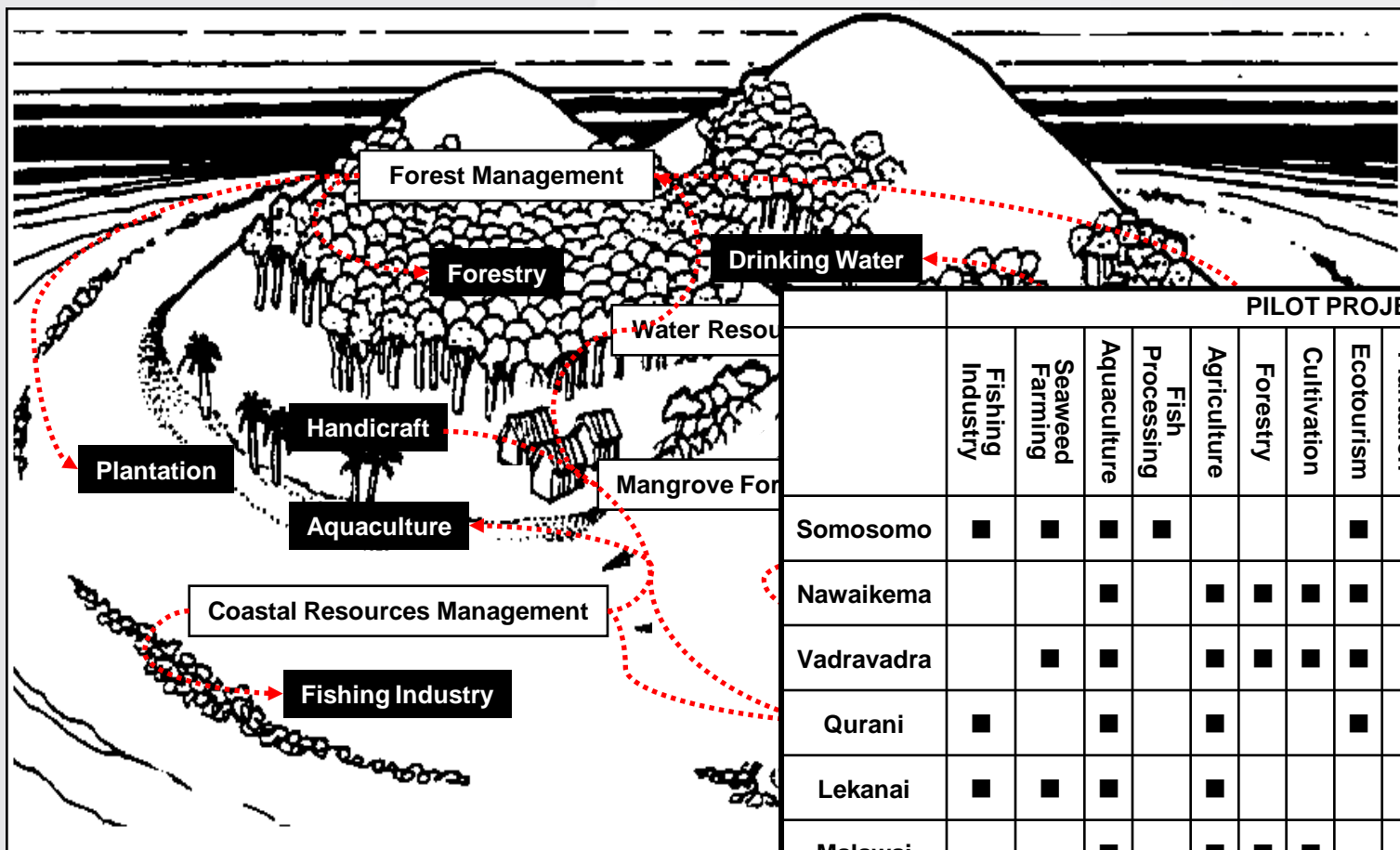


Combination of different approaches and order made for each site

8. Case② Assistance for the Sustainable Rural Development and Governance on Gau Island in Fiji

Integrated Coastal Zone Management

Specific approaches reflecting the characteristics of each site



	PILOT PROJECT													
	Fishing Industry	Seaweed Farming	Aquaculture	Fish Processing	Agriculture	Forestry	Cultivation	Ecotourism	Mangrove Plantation	Copra	Coconut Oil	Drinking Water	Solar Power Energy	Hydropower Generation
Somosomo	■	■	■	■				■						
NawaiHEMA			■		■	■	■	■	■					
Vadravadra		■	■		■	■	■	■		■	■		■	
Qurani	■		■		■			■						
Lekanai	■	■	■		■									
Malawai			■		■	■	■					■		■

9. Case③ Training for fisheries extension officer in island countries

Application of Okinawa's knowhow

Okinawa's knowledge and technique are introduced in the training

- MPAs
- Aquaculture
- Shell polishing
- FADs
- Liverock



- 1) Diversification of livelihood**
 - **Utilization of Okinawa's knowledge and technique**
- 2) Integrated coastal zone management**
 - **「Satoyama, Satoumi」**
- 3) Community-based**
 - **Traditional couture, Customary law**
- 4) Community participation**
 - **Data less, LTK,LEK**
- 5) Authorization**
 - **Collaboration with related organization**



Thank you.