3rd Steering Committee Meeting

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

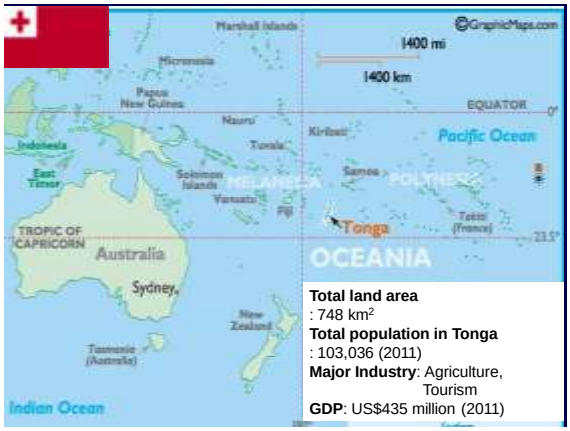
Convention Center,
Tanoa International Hotel,
17th September 2013, Apia, Samoa

By,
Ms Feauini Veikoso Laumanu, Environment Division, Vava'u Branch, **MLECCNR**
Mr Manase Pongi Malua, Health Inspector, Vava'u Branch, **MOH**

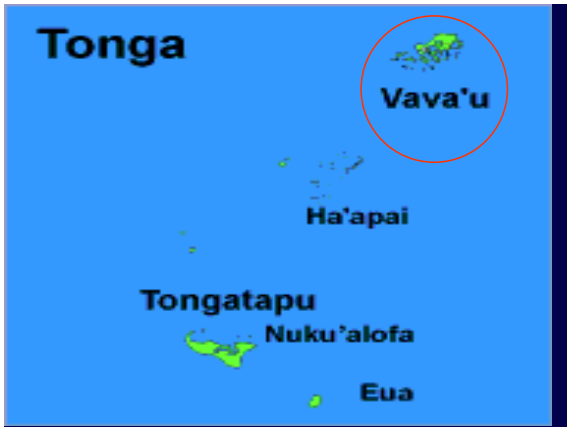
CONTENT

1. Highlights about the Kingdom of TONGA– Vava'u Island
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3. Highlights Project Activities in Tonga
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1. Highlights about the Kingdom of TONGA– Vava'u Island



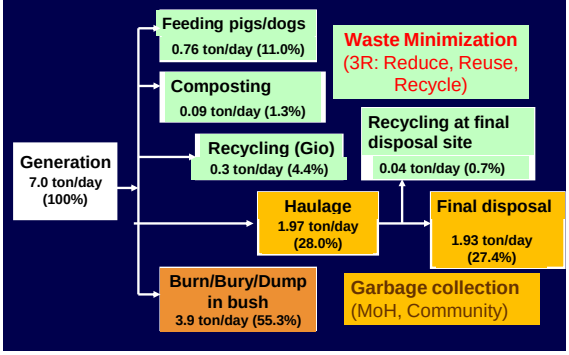
Total land area
: 748 km^2
Total population in Tonga
: 103,036 (2011)
Major Industry: Agriculture, Tourism
GDP: US$435 million (2011)





Items	Unit	Neiafu (Central district)	Vava'u (Islandwide)
Total Population	Person	5,768	14,936
Number of Household	Households	1,082	2,828
Area	Km^2	-	121.0
Waste Generation (Households + Businesses)	Ton/day	7.0	20.9
Waste Generation Rate (Households + Businesses)	Kg/day/person	1.2	1.4
Household Waste Generation	Ton/day	5.8	15.1
Household Waste Generation Rate	g/day/person		505

Waste Flow [Neiafu District]



2. Status of Waste Management Before J-PRISM Project (~2011)

- No Basic Information and Data on SWM
- No Holistic Plan on SWM in Vava'u (Waste Management Act enacted in 2005)
- Limited capacity of responsible organization on SWM (MoH is responsible for SWM but SWM budget only USD$1,000
- Only One Recycling Company recently Established (Recyclables only metals are collected and sent to overseas such as NZ)

- **No Garbage Collection System (except for business waste)**



- **One exiting Open Dumpsite**



Progress of J-PRISM Project Activities 2011-2013

2011 – 2012 Progress: Project Public Consultation



2011 – 2012 Progress: Waste Baseline Information Surveys



2011 – 2012 Progress: Community Awareness Programme



2012 – 2013 Progress: Dumpsite Rehabilitation



- *Leachate treatment and water monitoring system*



2012 – 2013 Progress: Waste Landfill Management





Item	kg
Copper	162
Motor	131
Batteries	79
Stainless	57
Aluminium	31
Brass	13
TOTAL (per month)	475

2012 – 2013 Progress: Community coordinated collection service







2012 – 2013 Progress: 3Rs Activities

Environment Logo, Slogan and Character Competition



Environmental Slogan and Calendar



Logo



Character to promote 3R



Kids wearing environmental T-shirt

2012 – 2013 Progress

Recycling bins in collaboration with VEPA

15 recycling bins are placed in Vava'u with Community's initiative. ***(in collaboration with local NGO, VEPA)***



* Toula Village with VEPA officer in green pose with their new recycling cages.

Item	kg
Aluminium cans	34
Tin cans	2
TOTAL (per month)	36



* These bins are also popular in the capital of Tonga, Tongatapu.

2012 – 2013 Progress **Clean School Program**

6 selected schools for pilot.



2012 – 2013 Progress

"Great Vava'u Okinawa Mottainai Project"

[Project Purpose]

The "Waste to resource" recycling system is established in Vava'u.

[Progress of Project Activity]

In order to strengthen existing recycling industry…

1) Study on existing operation and shipping system of recycling company
2) Training in Okinawa (Learning efficient recyclables treatment method, Developed Work Plan, etc.)
3) Drafted poster to promote to bring recyclables items to recycling company



5. Conclusion

1. It is effective to involve the relevant organization which can guide communities for collective action.

2. It is effective to apply the knowledge and skills into the real settings by accommodating the conditions of dump site.

3. It is effective to involve younger generation who can easily adapt the innovative approaches toward solid waste management to protect the environment.

Thank You FOR YOUR ATTENTION



Any Question ?

'OFA ATU! – Malo 'aupito