



Emerging Waste Management Issues and Opportunities for International PPPs

Case of Samoa

Suluimalo Amataga Penaia
CHIEF EXECUTIVE OFFICE
MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT
3rd September, 9:30am – 12:pm, SPREP

OUTLINE

- Background
- Issues for Emerging Waste Streams
- Opportunities for PPPs

BACKGROUND

Types of Solid Waste in Samoa :

- 1) Household Waste(Domestic)**
- 2) Commercial/Industries Waste**
- 3) Hazardous Waste**
- 4) Hospital Waste or Biomedical Waste**

Emerging Waste Streams:

E-Waste, Hazardous Waste, Chemicals and
Plastics

Waste Management Hierarchy

AVOIDANCE

REDUCTION

REUSE

RECOVER

RECYCLE

FINAL DISPOSAL

Most Preferred

Less Preferred

Solid Waste Generation in Samoa (Waste Audit 2011)

-93tons/day

-34,220
ton/year

Issues for Emerging Waste Streams in Samoa

➤ **As per waste management chain:**

- Source segregation, collection
- Treatment and disposal
- Resource generation

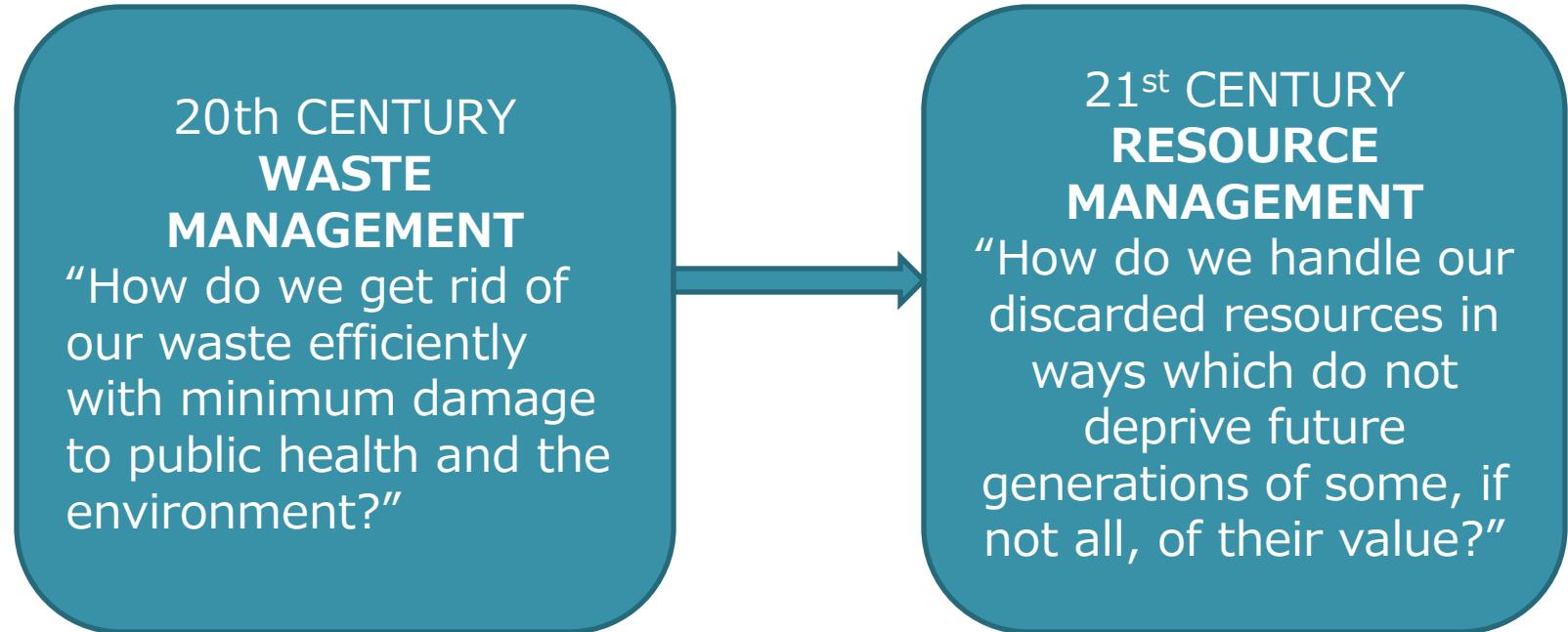
➤ **As per Action Category:**

- Technical knowledge and the right information for the recyclers (dismantling, packaging, shipment etc)
- Policy and Regulations to operate stewardship system
- Financing issue

➤ **For Sustainable Solid Waste Management:**

General Issue – types of solid waste Source

Main issue – change of perspective (WASTE ➔ RESOURCE)



Opportunities for PPPs

➤ Waste Prevention and Minimization:

- Preferred options in the Environmentally Sound Management of Waste
- Implement 3R Policies and scale up to the Regional and International level to support waste flows
- Several initiatives already in place, e.g., J-PRISM-SPREP-SAMOA waste minimization pilot projects (2013-2014), SAICM-SPREP-SAMOA e-waste project (2013-2014), AFD-SPREP-SAMOA Used oil project (2013-2014), INTERNATIONAL FINANCE CORPORATION (IFC) – World Bank - SAMOA Group 2013 on integrated solid waste management system 2013 (2-3 years).

Opportunities for PPPs

- **Waste Markets** The private sector, for instance can promote and develop green economic activities within the local, regional and international markets according to its own needs or as corporate sector responsibility or as a way to achieve governmental targets and standards
- **Create effective PPPs** to improve technical capabilities, institutional capacities and financial viability suitable to national situations/conditions
- **Life-cycle perspective (Cradle to Grave)** for sustainable resource and waste management (broader view)



THANK YOU for your ATTENTION