



MALDIVES

THE 8TH ASIA 3R CONFERENCE FOR ASIAN LOCAL GOVERNMENTS

MANDATE

Ensure management of solid waste to prevent impact on human health and environment through approaches that are economically viable and locally appropriate.

Challenges



INCREASE IN GENERATION OF WASTE

- Increase in population
- Increase in amount of non-biodegradable waste
- Expansion of tourism industry



GEOGRAPHICAL ISOLATION OF ISLANDS

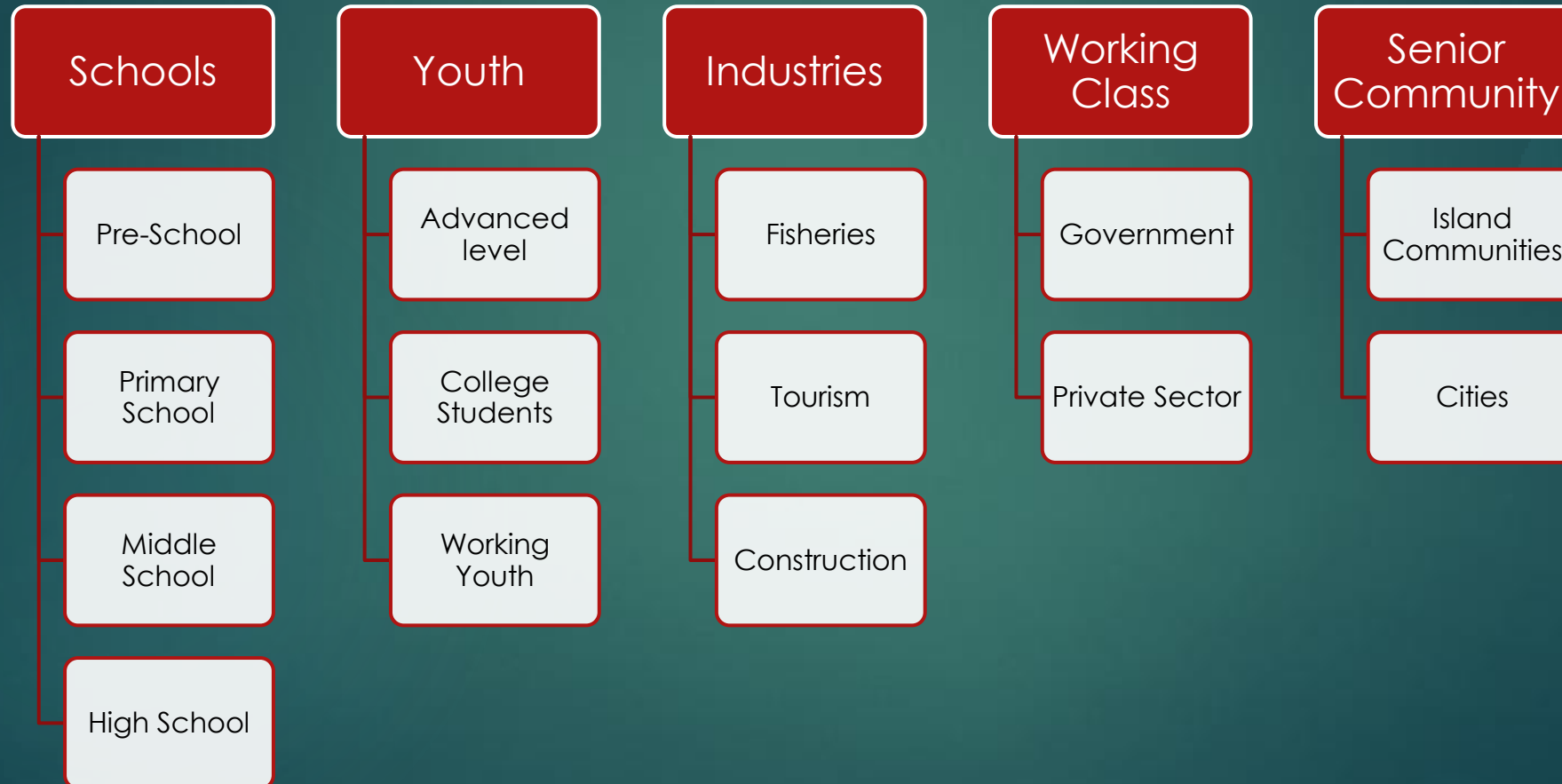
- Difficulty in transportation of waste
- Difficulty in establishment of waste management systems



INCREASE IN POPULATION DENSITY

- Small size of islands
- Limited land space

Public Awareness



FUTURE PLANS

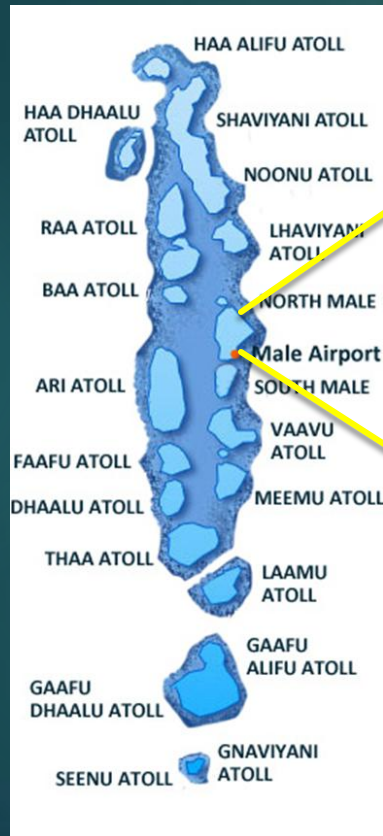
- ▶ Establish 7 Regional waste management facilities
 - ▶ Waste to Energy Option
- ▶ Establish Fee structure –Polluter Pay Principles
- ▶ Introduce Extended Producer Responsibility
- ▶ Public Awareness
- ▶ New technologies and solutions for Medical and Hazardous Waste

POLICY




- ▶ Individual responsibility
- ▶ Household responsibility
- ▶ Corporate/ Industrial Responsibility
- ▶ Clinics and Hospitals
- ▶ Island Council Responsibility
- ▶ Atoll Council Responsibility
- ▶ Regional/ Nation Responsibility

REGIONAL WASTE MANAGEMENT



1st Pilot Regional Project

- ▶ Covers over 40 islands in 4 atolls
- ▶ Island waste management center in each island
- ▶ Organic waste managed at island level
 - ▶ Organic waste to Compost
- ▶ Non biodegradable waste transferred to Regional center
 - ▶ Metals and plastic compacted
 - ▶ Glass crushed to fine particles
- ▶ Waste to Energy  Incineration
- ▶ Ash landfilled



ASSISTANCE & SUPPORT

Introduction of New Technologies

Explore best available technology options

- Is waste to energy the best option?

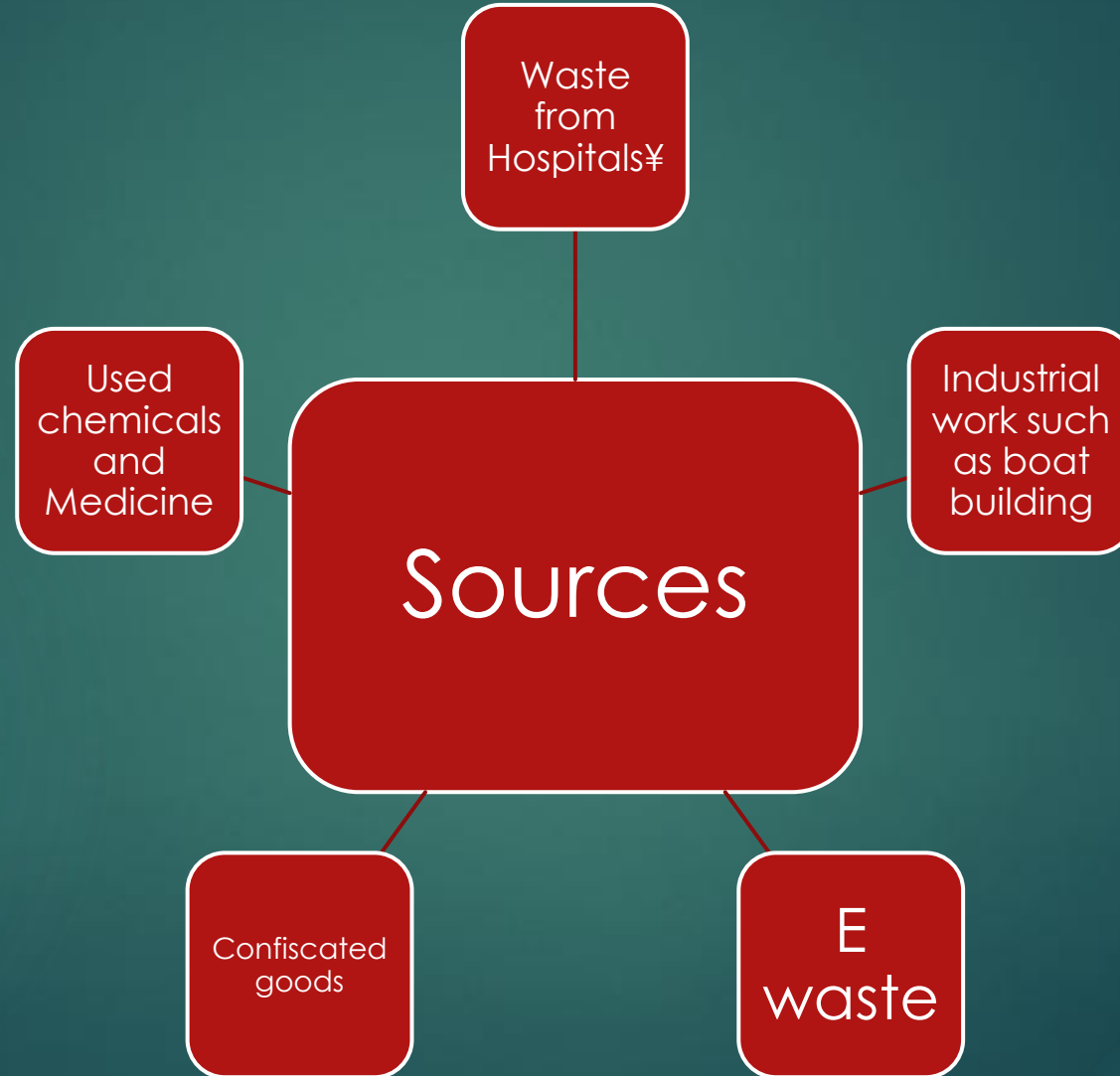
Assistance in deciding best option for Waste Management in Maldives

- Technical and Financial Feasibility Studies

Capacity building

- Technical training for management in different Regions at Island level and regional level
- Operational Training of Machinery, for Incinerators and other new Technology and Machinery

Infectious and Hazardous waste



Infectious and Hazardous Waste

- ▶ Identification of major types of Hazardous Waste
- ▶ Research assistance for identifying best possible options for Disposal of each type of Hazardous Waste and Infectious Waste
- ▶ Training for Proper Disposal of Hazardous Waste
- ▶ Financial assistance in establishing facilities for Proper Disposal of Hazardous Waste

Regulatory Documents

Waste Management Policy

Waste Management Strategic Action Plan

Waste Management Regulatory Framework

Standards

Guidelines

Financial Assistance

Establishment
of New
Infrastructure

Upgrade of
Existing
Infrastructure

Waste Transfer
System

Equipment and
Machinery at
Island Level

Engineered
landfills

Incinerators
and other
technologies

Arigato Gozaimasu

