



# Thailand 3R Country Report

The Ninth Regional 3R Forum in Asia and the Pacific  
5 March 2019,  
Royal Orchid Sheraton Hotel & Towers, Bangkok, Thailand



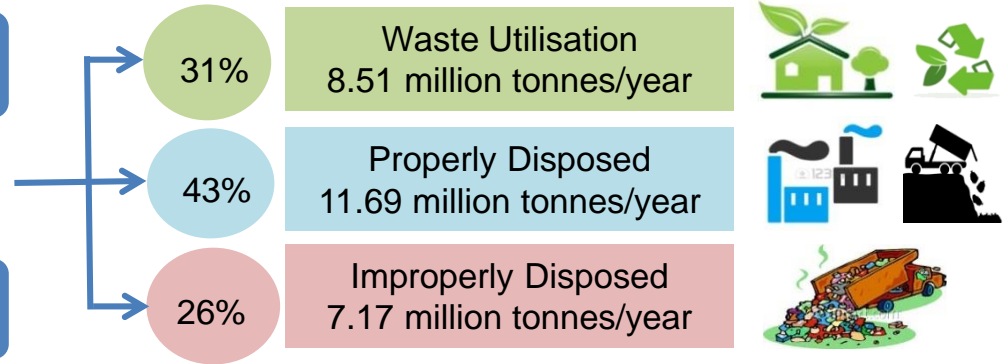
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## Total MSW Generation

- **27.37** million tons/year or **74,998** tons/day

## MSW generation Rate

- **1.13** kilograms/capita/day



## Problems

- Open Dumping - 2,075 disposal sites (mostly in small size municipalities)
  - Deterioration in the environment
  - Health of the population
  - Releasing greenhouse gases
- Small size municipalities lack of funding and capabilities
- Public disillusioned by previous site operation and distrust new waste management projects

# MSW Management Timeline



1992

Enhancement and Conservation of national environment Quality Act of 1992



1996

The National environmental Basic Plan and the National Economic and Social Development plan



2003

Announcement of Criteria for the characterization of waste container



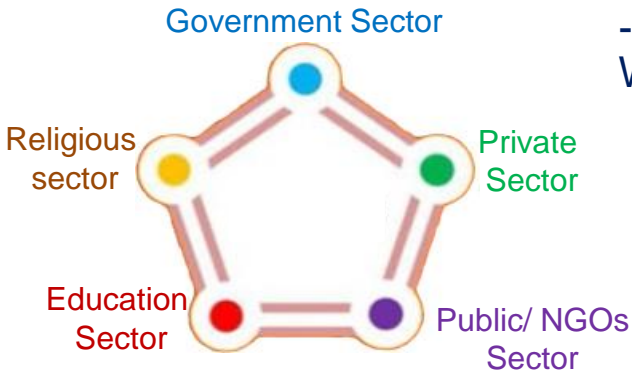
2009-2014

The National 3R Strategy and (Draft) Law for Promotion of 3R



2014-2017

- Master Plan on Waste Management
- Action Plan for Thailand Zero Wastes
- Draft MSW Act
- Draft of WEEE Act



Principle of 3Rs and Participatory State

## Plastic waste reduction

- Start of the phase-out period of cap seals on April 1, 2018
- Total elimination of cap seal use in Thailand on December 31, 2019
- Reduce plastic shopping bags & refill bags in Super stores and super markets

## Zero waste in schools and communities

## Waste Management in 10 pilot National Parks and Tourist Places

Upgraded 740 open - dumping sites from 2,610 sites

Clean and Green City in 18 Provinces

Green procurement : 23 Products and 6 Services

## E-waste management

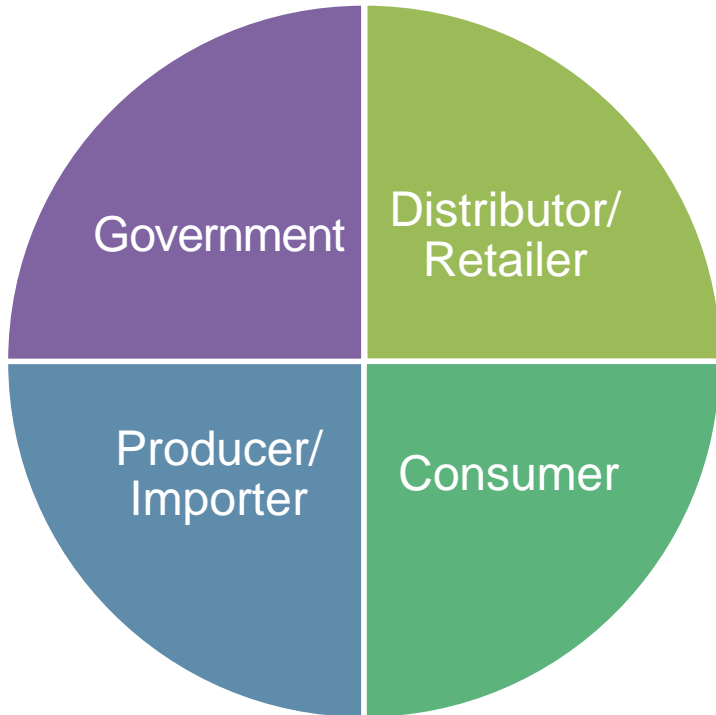
- National WEEE Strategy (2014-2021)
- Voluntary - based programs for E- waste separation and collection with Bangkok Metropolitan Administrative (BMA) and other municipalities
- Draft on WEEE Law

## Green Industry

- The clean production technology has been promoted and developed in 20 industrial sectors by capacity building and Code of Practice (COP)

## Eco-town project

- Eco-industrial Complex Project in 15 Provinces (18 areas) and 34 Eco-Industrial Estates



## Challenges faced in implementation

- Need incentives both financial and technical support
- Multi-stakeholders partnership
- Policy for informal sector
- Specific law and regulation for waste separation, recovery and recycling
- Need cooperation among related ministries and organizations
- Limited R&D on marine debris

## Creating awareness and understanding

- Encourage citizens, including children, and the private sector to source separation by following the 3Rs concept (Reduce, Reuse, Recycle)

## Public private partnership

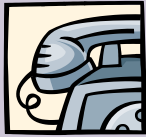
## R&D on 3R and waste management

## Specific laws and regulations on MSW Management

## Public Involvement

- All relevant sectors participate in the management of solid and hazardous waste

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