

# *Capacity Development to Support the 3Rs through Partnership with Stakeholders*

**Discussant:**

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# *Discussion Points*

- *Issues and Concerns by the Recycling Sector*
- *Approaches in Developing the Recycling Sector*
- *The Recycling Information System*
- *Actions to be taken by each Stakeholder*
- *The Necessity of Policies & Guidelines*
- *The Institutional Set-up Developed for Partnership*

# *Issues and Concerns by the Recycling Sector*



# *Issues & Concerns by the Recycling Sector*

- difficulty in trading recyclables with composite components
- recyclables would become unusable due to difficulty or disregard of removing unwanted parts or embedded foreign materials
- Illegal or underground junk dealers are competitors of legitimate dealers
- collectors demand for the standardization of prices for recyclable materials as a safety net against the fluctuating rates
- there is the need to rehabilitate or replace existing outdated equipment in order to attain increased production efficiency
- there is the prevailing higher cost of power and fuel in paper production in the country compared to other ASEAN countries
- strict enforcement of environmental laws will cause incremental cost of water use and wastewater treatment
- severe competition with imported materials will be experienced with the reduction/elimination of import duties
- there is a strong dependence on foreign sources of plastic resins and product

# *Approaches in Developing the Recycling Sector*



# *Development of the Recycling Industry*

## Approaches:

- Development and promotion of domestic industries to maximize the use of recyclables for resource and energy saving **(by business, local governments & NGOs)**
- Promotion of environmentally sound and sustainable utilization of recyclables **(3R-related S&T)**
- Reorganization and formalization of informal sector involved in recycling as the key players of promoting recycling industry **(thru capacity development)**

# *The Recycling Information System*

# *Recycling Information System*

## Objectives:

- To indicate the potential market of recycling through the provision of reliable and detailed information on generation and utilization of recyclable materials;
- To contribute to the formulation of national and local recycling plan by providing proper information and data on the current flow of recyclable materials; and
- To provide reliable information on currently available recycling industry whereby optimizing recyclable resource utilization mechanism based on the partnership among relevant stakeholders.



# *Actions to be taken by each Stakeholder*

# *Stakeholders*

- National government
- Local governments
- Business & industry
- General public

## Government Level

- Reinforce the Existing Institutional Setup
- Provision of Incentives and Subsidies
- Enhance Promotion of Recycling Efforts (Education, awareness etc.)
- Mandatory registration and provision of information
- Capacity Building
- Proper Information/ Data Management

## Recycling Player Level

- Regular and close Communication between with the Government
- Partnership with the government on recycling programs and operation of transfer stations
- Sharing of recycling information and experiences
- Operation in accordance of Recycling Guidelines

## Waste Generator Level

- Segregation of wastes at source
- Proper handling of wastes at source to improve quality
- Enhance recycling participation with collaboration with NGOs and RAs.
- Provision of recycling information
- Education of new generation

Institutional Setup  
Strengthened

Recycling System  
Improved

Awareness  
Increased

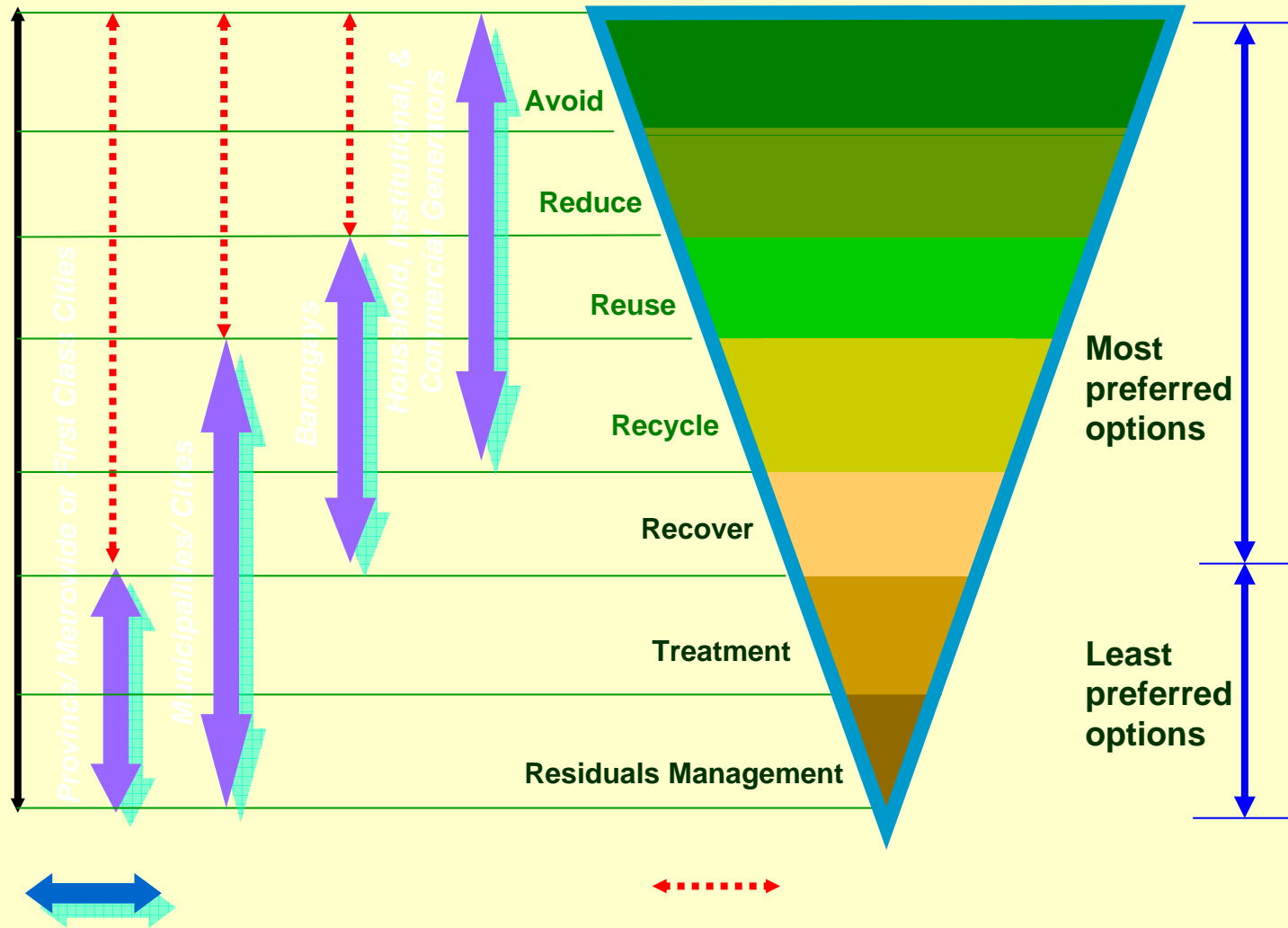
3R Performance Increased

# *The Necessity of Policies & Guidelines*



# *The Necessity of Policies & Guidelines*

- I. **The National Government Framework on 3Rs**
- II. **The Local Government Recycling Plan**
- III. **The Sector-Specific Recycling Guidelines**



**The National Government Framework**

# National Government Policy Support

## for the Formulation of Local Government Recycling Plan

Stages of Recycling	Types of Assistance Required
Segregation at Sources	Information, Education & Communication <ul style="list-style-type: none"><li>▪ PR and IEC materials (posters, pamphlets, guidebooks)</li><li>▪ Trainers for segregation of recyclables</li></ul> Equipment <ul style="list-style-type: none"><li>▪ Segregation bins, containers</li></ul>
Collection and hauling	Facility & Equipment <ul style="list-style-type: none"><li>▪ Collection vehicles (trucks, push carts)</li><li>▪ Storage for recyclables</li><li>▪ Primary processing machinery and equipment (sorting, shredding, washing, baling)</li></ul> Procurement of recycling players <ul style="list-style-type: none"><li>▪ Primary collectors (Eco-aides)</li><li>▪ Junkshops, dealers, consolidators</li></ul>
Recycling	Facility and Equipment <ul style="list-style-type: none"><li>▪ Recycling facility and machinery/equipment</li></ul> Final users <ul style="list-style-type: none"><li>▪ Recyclers, exporters</li></ul>

## *Formulation of Recycling Guidelines*

- provide guidance to waste generators in their recycling activities especially in the pre-treatment and pre-handling stage of the recyclables
- increase the efficiency of recycling performance of other players such as the collectors, dealers and end-users of recyclable materials
- improved efficiency of recovery and recycling would a vital role in further development of the country's recycling industry

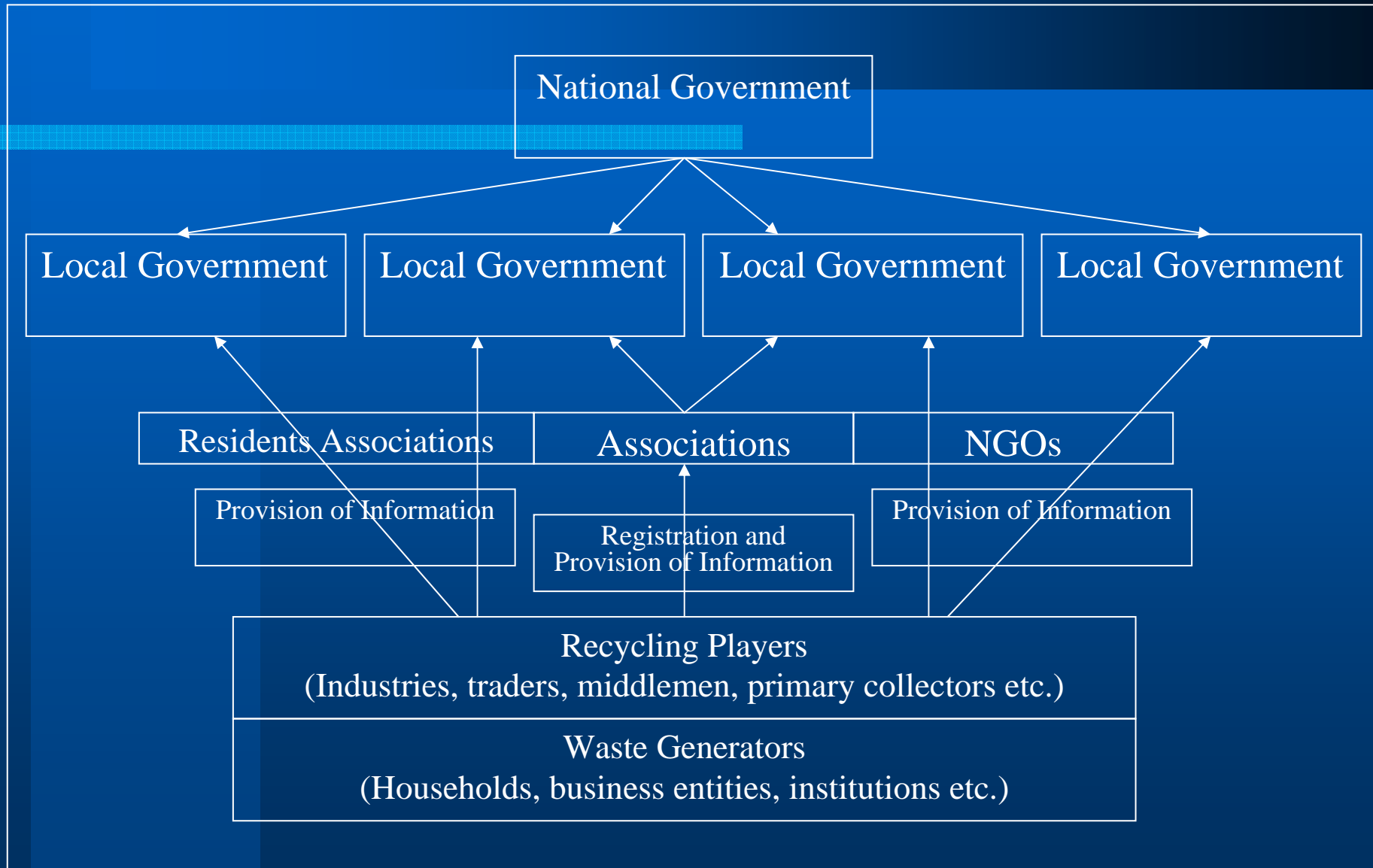


# *Sector-Specific Recycling Guidelines*

<b>For Waste Generators</b>	<b>Handling of recyclables</b> <ul style="list-style-type: none"><li>▪ includes proper way of waste sorting to maintain the good quality of recyclables and to increase efficiency of transportation</li><li>▪ handling method is specified for each type of recyclable materials in accordance with their unique characteristics</li><li>▪ needs proper consideration on the existing recycling system in the relevant localities.</li></ul>
<b>For Dealers</b>	<ul style="list-style-type: none"><li>▪ acceptance criteria for recyclables</li><li>▪ storage standard</li><li>▪ guidelines for data management by dealers</li><li>▪ guidelines for primary processing of collected recyclables</li></ul>
<b>For Recyclers</b>	<ul style="list-style-type: none"><li>▪ material specific guidelines</li><li>▪ facility &amp; facility operation standard</li><li>▪ data management of recyclable materials utilized by recyclers</li></ul>

*The Institutional Set-Up Developed for Partnership*

# *Institutional Set-Up*



*Thank You*