



Development and Promotion of National 3R Strategy: Cambodia, Philippines and Thailand

Regional Workshop of the GMS to share the lessons learnt from
the Viet Nam experience on
the National Strategy of Integrated Solid Waste Management/3R

28-29 July 2010
Do Son Town, Hai Phong, Vietnam

Guilberto Borongan
AIT/UNEP RRC.AP

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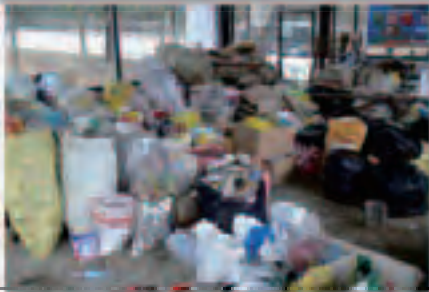
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Status-quo of Municipal Solid Waste



- *Municipal Solid Waste generation increases parallel to economic growth and rapid increase of population.*
- *Some developing countries in the region with about USD 1,000 GDP per capita are growing steadily even hindered by economic crisis.*
- *A major challenge to develop our economy without increasing the waste generation is a major challenge for the countries in the region.*



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RRC.AP Projects related to 3R

Regional Level

- **3R Knowledge Hub (3RKH)**
- *Asia and the Pacific*

Sub Regional Level

- **Thematic Working Group on Solid and Hazardous Waste (Waste TWG)**
- *14 countries in Southeast and East Asian*

National Level

- **Advanced Waste Management in Asia and the Pacific (AWMAP) or “National 3R Strategy”**
- *Cambodia, Malaysia, Thailand and the Philippines*



3R Knowledge Hub (3RKH)

- Launch in 2006
- 3RKH aims to **network** and **gather 3R resources and expertise** from all the sectors in Asia and Pacific region
- Partnership: **ADB, AIT, UNEP, UNESCAP**
- 2nd Phase (2010-2012): in process of preparation with a focus on private sector involvement



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Reduce, Reuse, Recycle
3R KNOWLEDGE HUB

About Us Knowledge Collections Site Map Help

The principle of reducing waste, reusing and recycling resources and products is often called the "3R"....

Material Recovery Facility

ADB

UNEP

United Nations Environment Programme

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Web site: www.3rkh.net

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Waste TWG

Established under the *Regional Forum on Environment and Health in Southeast and East Asian countries*

Objectives

- ensure environmentally sound management of solid and hazardous waste, in particular municipal waste and medical waste, and promote the 3Rs
- prioritize issues by analyzing status-quo of municipal waste and medical waste management in the member countries
- provide useful information to raise policymakers' awareness

Chair: Ministry of Environment, Japan

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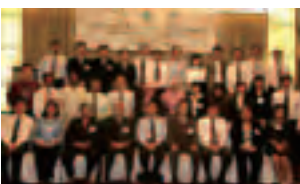


Waste TWG

Established under the Regional Forum on Environment and Health in Southeast and East Asian countries

Developed & Reviewed MW & HCW Questionnaire

First Meeting of Waste TWG in Singapore (28-29 Feb 2008)



Status-quo & Issues of HCW & Municipal Waste Management
Brunei Darussalam
Cambodia
PR China
Indonesia
Japan
South Korea
Lao PDR
Malaysia
Mongolia
Myanmar
Philippines
Singapore
Thailand
Vietnam

Conducted research on MW/HCW from available publication/reports

Submission MW & HCW Questionnaire

MW & HCW: Status-quo and Issues

Analyzed MW & HCW Waste in member countries

Municipal Waste Status Report prepared by RRCAP
Health Care Waste Report prepared by AIT

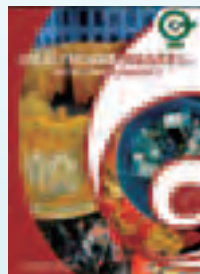
Countries' & Agencies' Comments

Policy Recommendations

Second Meeting of Waste TWG in Siem Reap, Cambodia (2-3 Dec 2008)



Outputs were provided to 3R Knowledge Hub (3RKH), and Environment and Health



Implementation of short-term demonstration project in Cambodia and Philippines on capacity building and awareness raising on 3Rs and waste management





National 3R Strategy Project

Brief Background

- Started from 2005
- Based on 3R Initiative
- SEA was selected as the first sub-region in Asia-Pacific to start the 3R Project
- Funded by MOEJ through IGES

Objectives:

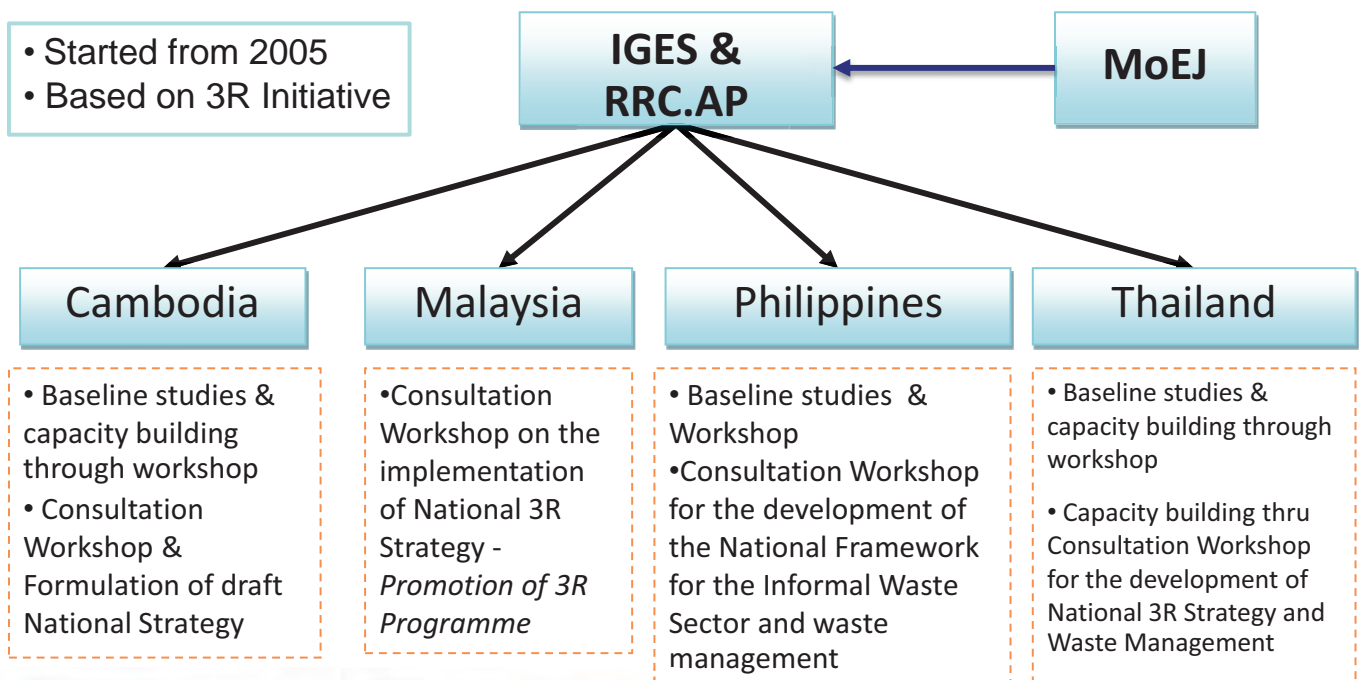
- to review the status of waste problems
- to identify the legal and management gaps
- to devise National 3R Strategy and Action Plan

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National 3R Strategy Project



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National 3R Strategy Project

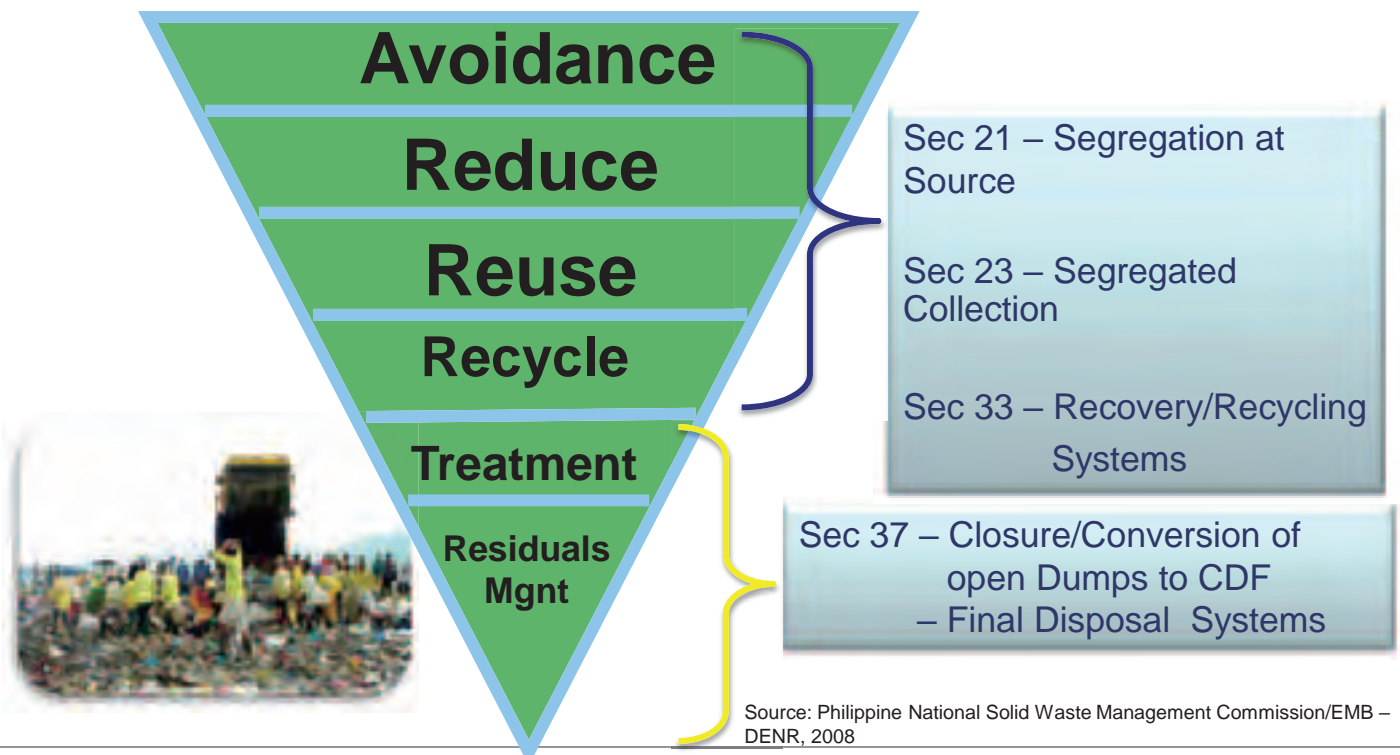
Country	Main Features of the Strategy	Development/Promotion/Capacity Building of 3R Strategy
Cambodia	National Strategy on 3R for Waste Management	2 Workshops in Sihanoukville & Phnom Penh (Aug. & Oct. 2008)
Malaysia	National Waste Minimization: Implementation for the strategy	Small-Scale National Workshop on 3R Initiative in April 2006 1 Workshop on the Promotion of 3R Programme in Schools in Feb. 2009
Philippines	National Framework for the Management of the Informal Waste Sector in SWM	2 Consultation Workshops 1 National Consultation Workshops (Aug. & Sept. 2008)
Thailand	National 3R Strategy on resource efficiency and waste minimization in the context of Sound Material Cycle Society	4 Series of Thailand 3Rs Conferences (total of 350 part.) from 4 regions (January 2009)



National 3R Policy in the Philippines

Philippine Ecological Solid Waste Management Act or RA 9003

Provides the legal framework for the systematic, comprehensive and ecological solid waste management program of the country, which shall ensure protection of public health and the environment.





Development of a National Framework for the Management of the Informal Sector in Solid Waste Management

Objectives

- to provide preliminary assessment of existing regulations, policies, practices on the involvement of the informal sector in solid waste management;
- to consult and build consensus among stakeholders on the planned national framework;
- and to identify areas and activities, and appropriate strategies for the national framework.

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Development of a National Framework for the Management of the Informal Sector in Solid Waste Management



Regional Consultations with informal sector



Consultation with GO/NGO Support Agencies

Review of literature



Inventory of Stakeholders

Validation Workshop with stakeholders

National Framework Plan for IWS



Rapid Survey of Metro Manila Informal Waste Sector



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Proposed Interventions and Strategies and Critical Actors and Partners

Proposed Strategies	Critical Actors & Partners
1) Supporting waste reclaimers to enter new service roles and niches in separate collection, recycling and composting	
<ul style="list-style-type: none"> Conduct entrepreneurship trainings for livelihood options Provide skills training on value adding strategies/low cost technologies in waste recovery and recycling and composting Facilitate linkages of informal sector and recycling cooperatives to professionals with expertise in product design Organize job fairs for the informal sector Facilitate scholarship programs or access to alternative learning system programs Conduct health and occupational safety seminars for the informal waste sector Intensify the dissemination on the importance of protective equipment and apparel 	Informal waste sector, LGUs (including the Leagues), NGAs (TESDA, DTI, CDA, DOST-ITDI, DOLE) and NGOs
2) Supporting better market leverage and/or diversification of activities through cooperatives and associations	
<ul style="list-style-type: none"> Organize informal waste sector into associations or cooperatives Formulate of National Guidelines on transfer and transport of recyclable materials to avoid harassment of transporters of recyclable materials and facilitate efficient movement of materials Provide business incentives for junkshops/consolidators Link the informal waste sector to microfinance institutions Provide market support such as price information and monitoring 	Informal waste sector, LGUs (including the Leagues), NGAs (DENR-NSWMC, DTI, DILG, PIA, Cooperative Dev. Authority), National Legislators (Senate and Congress) and Media
3) Assuring structural access to sorting space at transfer stations, materials recovery facilities, composting facilities and sanitary landfills	
<ul style="list-style-type: none"> Integrate the informal waste sector in the transfer stations and materials recovery facilities of LGUs Tapping of informal waste sector in commercial scale composting projects 	Informal waste sector, LGUs (including the Leagues) and Private companies
4) Opening channels of communication with formal stakeholders and decision-makers and into the planning process	
<ul style="list-style-type: none"> Formulate National Guidelines on the accreditation/integration of informal waste sector in the SWM system Include an informal sector waste management plan in the Ten Year Strategic SWM Plan and Yearly Action Plans of LGUs Activities for LGUS on integrating the informal waste sector in their SWM Planning Process Include the informal waste sector in the planning and monitoring of SWM systems through its associations or cooperatives 	Informal waste sector, LGUs (including the Leagues); SWM boards, NGAs (DSWD, TESDA, DepED, DILG, UDHA, NHA, PIA) and Media
5) Improving the work conditions through the implementation of environmental and occupational safety practices and systems	
<ul style="list-style-type: none"> Formulate Code of Practice for materials recovery facilities and Junkshops that ensures environmental and occupational safety Conduct occupational safety seminars for the informal waste sector Adhere strictly to the enforcement of Child Labor Law 	NSWMC, DOLE and LGUs

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Outcome: National Framework Report



National Framework Plan for the Informal Waste Sector in Solid Waste Management

Prepared by

National Solid Waste Management Commission

May 2009





Way forward

- **National Strategies:** Develop policies and/or strategies at the national and/or local level addressing waste management and governing Sound Material Cycle Society through 3R principles in order to address the impacts of wastes to public health and the environment
- **Empower Stakeholders:** Strengthen efforts at capacity building, provide technical support and enhance partnerships among various stakeholders
- **Awareness raising:** Document and disseminate relevant information on the importance, as well as good waste management practices, of 3R
- **Networking the informal waste sector:** Create an effective network/organization from among the informal sector in order to provide information and tangible support in terms of occupational safety and health



Thank you!

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