



# Japan's experience in Waste Management & TBM

#### **Hideto Yoshida**

**Director-General** 

Department of Waste Management and Recycling Ministry of the Environment, Japan





#### **Waste Reform Revolution**



No Incentive to pay for appropriate treatment

"Cheap but Nasty" treatment

Shakeout of good waste disposer



**Public Mistrust of waste** 

Strong protest campaign against waste facility

Collapse of Waste Management System

#### Reformation

- Waste Generator's Responsibility

- Strong Penal Regulation
- Community participation
- Environmental assessment

#### **Liability Society**

Pay appropriate expenses

"Environmental Sound" treatment

Shakeout of bad waste disposer



Safety & Assured Treatment

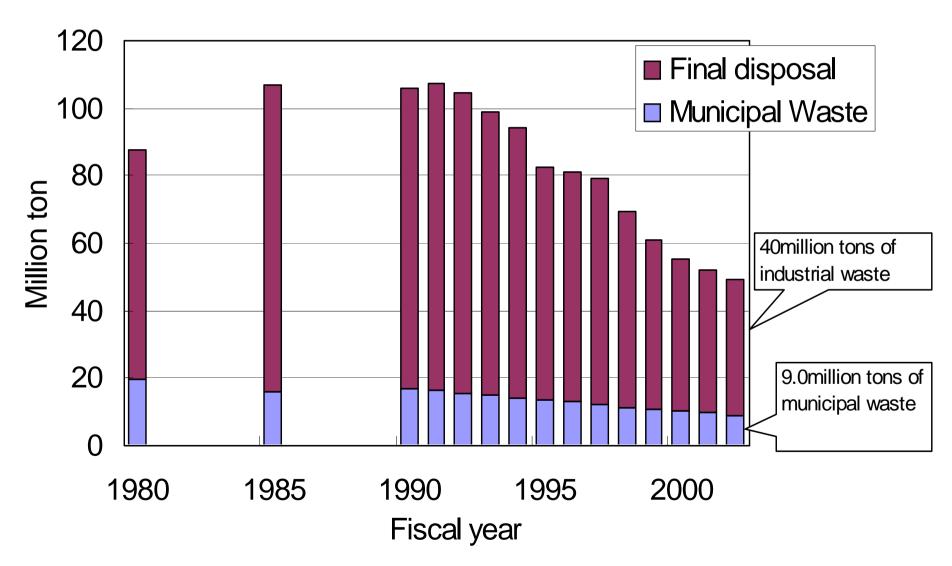
Public Understanding & cooperation



Establish the 3R society



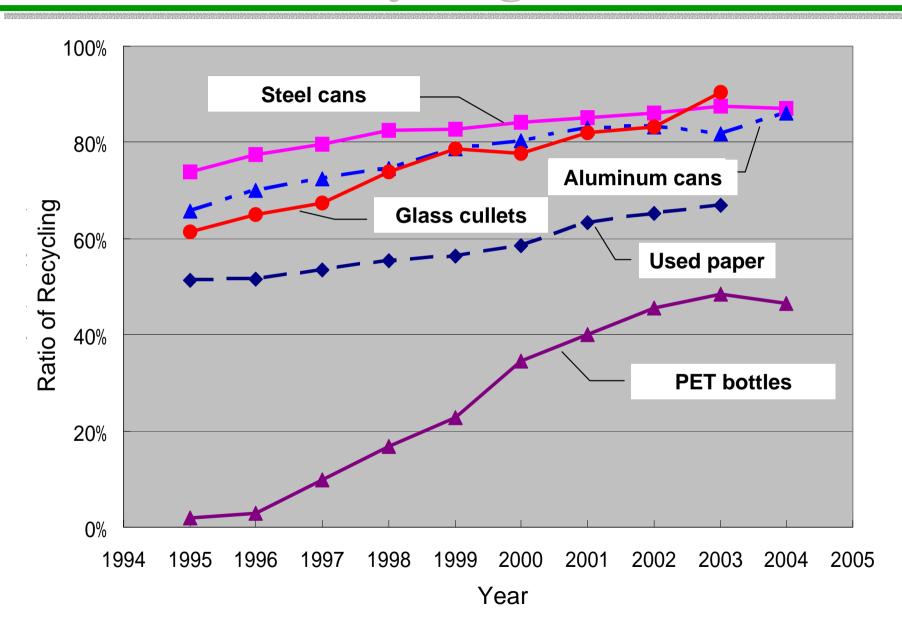
#### **Final Disposal**



Change in Final Disposal Amount



## **Recycling Rates**







Increase in demand for recyclables induced by economic growth

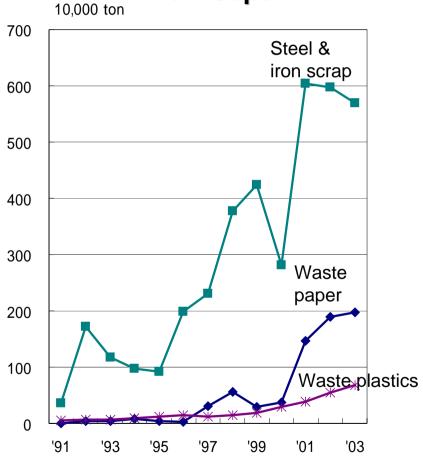
Increase in collected amount of recyclables



Rapid increase in TBM volume of recyclables in Asia

----

## **Export of Recyclables** from Japan



Source: Developed based on Ministry of Finance, Japan, Trade Statistics



### **Incidental Aspects of TBM**

- TBM of goods as;
  - mixed in recyclables
  - disguised as second-hand use







#### Waste or Reuse?



#### reduce reuse recycle

#### **3R Initiative**



"3Rs" means

Reduce waste generation

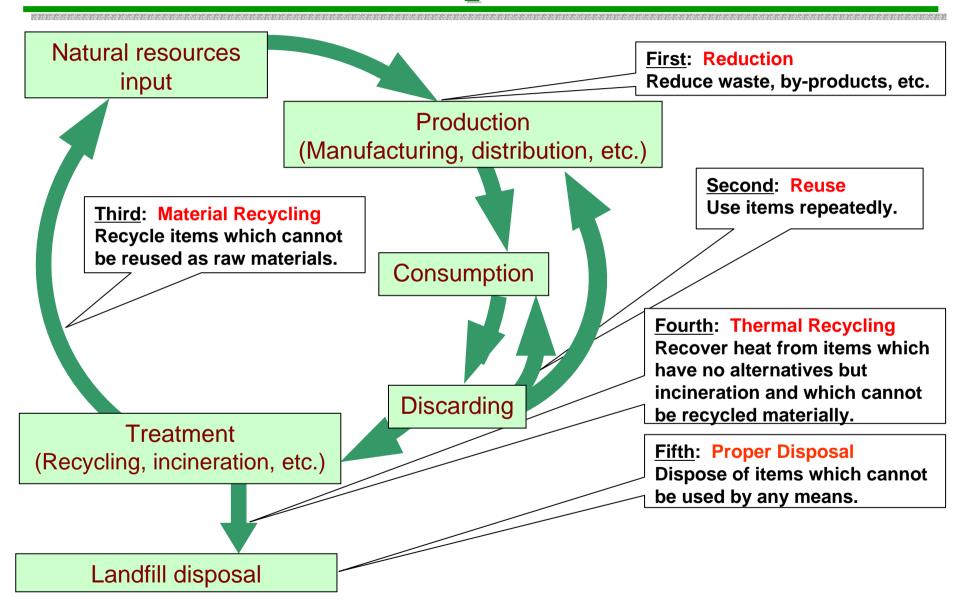
Reuse and Recycle products and resources

- G8 Sea Island Summit (USA)

  "3R" Action Plan and the Progress of Implementation
- Ministerial Conference on the 3R Initiative (Tokyo)
- Senior Officials' Meeting on the 3R Initiative (Tokyo)
  - Asia 3R Conference (Tokyo)

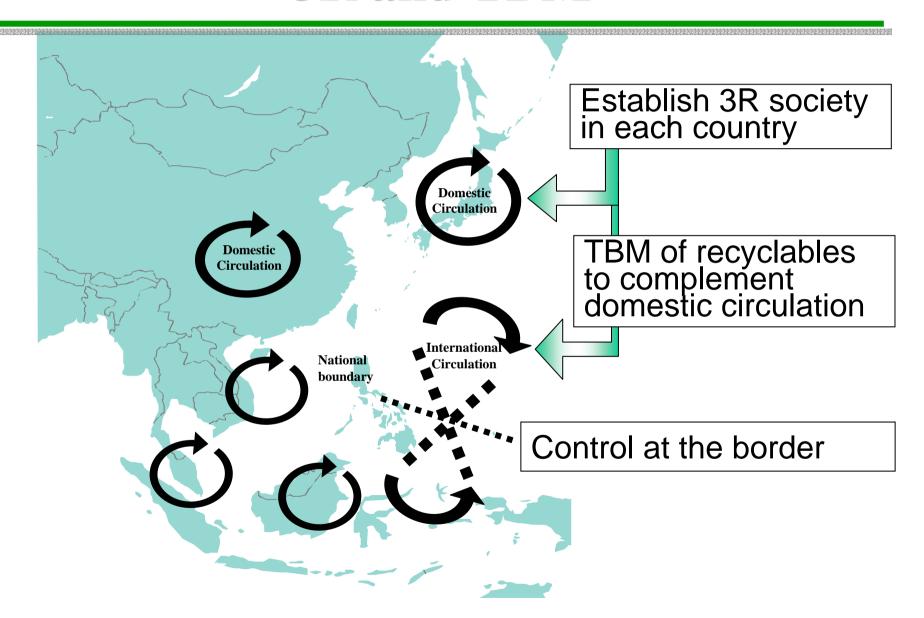


#### Concept of 3R



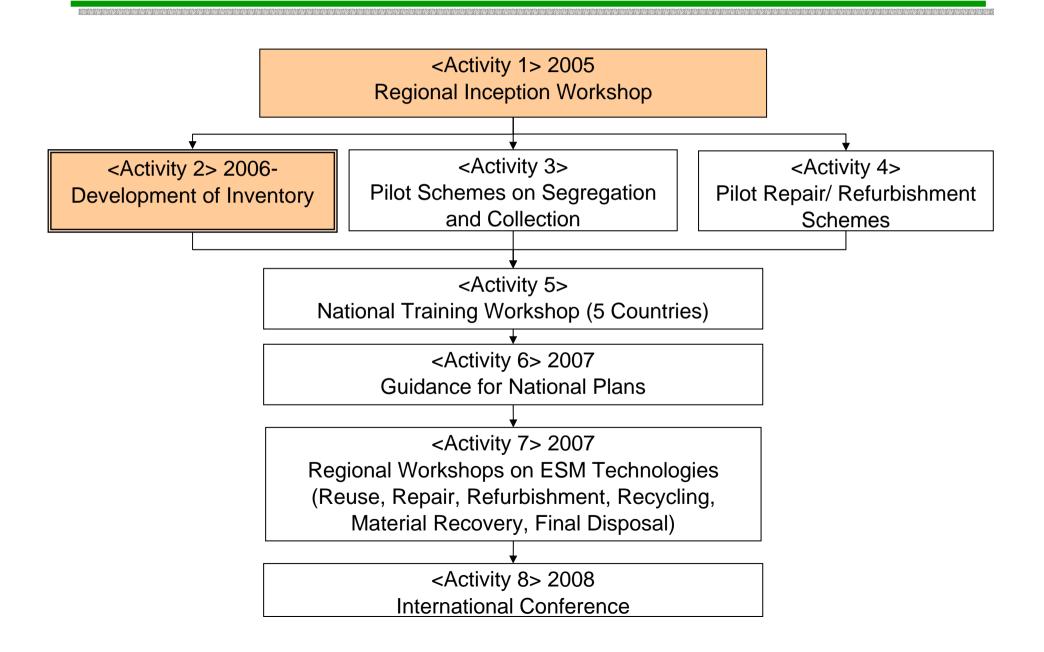


#### **3R and TBM**





## **Basel E-Waste project**





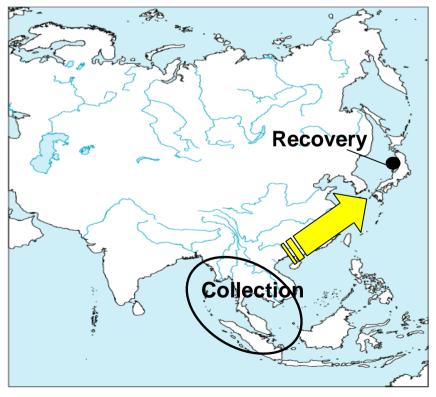
## Int'l Mobile Phone Recycling

With the support of the Secretariat of the Basel Convention and three Asian countries (Singapore, Malaysia, and Thailand), Dowa Eco-system Co. Ltd. Try to establish an international network to collect and transfer used mobile phones at each country to Japan for resource recovery



#### <OUTLINE>

- Area : Singapore, Malaysia, Thailand
- Duration: Nov. 2006 Mar. 2008
- Budget; Around USD 10,000)
   (Full Supported by DOWA)
- Plan
  - Investigation of Collection Scheme in each country
  - Pilot Project for transfer and resource recovery





### Japan's Action Plan

# Realization of Zero Waste in Japan

- Fundamental Plan for Establishing SMC Society
- 3R-relvant policy



 Assistance to capacity building of developing countries





#### **Efforts toward Global Zero Waste Society**

- Organizing an official-level meeting for 3R Initiative follow-up
- Development of 3R-relevant policy
- Knowledge and Technology Development in Asia
- Enhancement of actions through information sharing and networking



#### **Conclusion**

- Japan is promoting 3R initiative domestically and internationally.
- Appropriate border control is essential in establishing 3R society in region level.
- Asia countries work together to prevent illegal transboundary movement