Japan’s International Cooperation for Resource Efficiency and the 3Rs

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We will launch the Reduce, Reuse, and Recycle (“3Rs”) Initiative at a Ministerial Conference in spring 2005 hosted by the Government of Japan. In cooperation with relevant international organizations such as the OECD, we will seek through this initiative to:

• Reduce waste, Reuse and Recycle resources and products to the extent economically feasible;
• Reduce barriers to the international flow of goods and materials for recycling and remanufacturing, recycled and remanufactured products, and cleaner, more efficient technologies, consistent with existing environmental and trade obligations and frameworks;
• Encourage cooperation among various stakeholders (central governments, local governments, the private sector, NGOs and communities), including voluntary and market-based activities;
• Promote science and technology suitable for the 3Rs; and
• Cooperate with developing countries in such areas as capacity building, raising public awareness, human resource development and implementation of recycling projects.
Global and Regional 3R initiatives

2004
G8 Sea Island Summit (the United States)
Prime Minister Koizumi proposed the 3R initiatives, being supported by all ministers.

2008
G8 Kobe Environment Ministers Meeting
G8 leaders agree to the "Kobe 3R Action Plan".

G8 Hokkaido Lake Toya summit
G8 leaders support the "Kobe 3R action plan".

2009
• **2011 G8 Summit (Deauville, France)**
The Kobe 3R action plan that was reaffirmed by the Head of States

2013
Inaugural Meeting of the Regional 3R Forum in Asia (Tokyo)

2014
4th Meeting of the Regional 3R Forum in Asia (Hanoi)—Adoption of the Hanoi 3R Declaration

5th Meeting of the Regional 3R Forum in Asia and the Pacific (Surabaya)

2015
G7 Elmau summit “Resource Efficiency”

6th Meeting of the Regional 3R Forum in Asia and the Pacific (Maldives)
Japan’s 3R Initiatives – International cooperation to promote 3R –

✓ Sharing information, building consensus through the Regional 3R Forum in Asia

✓ To provide support for the formulation of national 3R strategies, legal development, dispatching experts, and accepting the trainees

✓ Provide support for Japanese technology transfer of waste management and recycling industry.

✓ Participate in the initiatives of UNEP and other international organizations, and apply the latest knowledge regarding 3R and waste management.
International Cooperation towards Sound Material-Cycle Society

- The amount of global waste generation is increasing, with causing environmental pollution, as the economy and population continue to grow, all around the world, especially in Asia.

- It is estimated that the total waste generation in the world in 2050 will be more than double the amount in 2010.

⇒ Promotion of 3R and a waste management and recycling system in developing nations to take the lead in contributing to the establishment of a sound material-cycle society on a global scale

◆ Bilateral Cooperation
  ✓ Memorandum of Cooperation
  ✓ Support for Institutional Development

◆ Multilateral Cooperation
  ✓ Regional 3R Forum in Asia and the Pacific
  ✓ Contribution to International Organizations

◆ International Contribution through Japan’s Advanced Technology in 3R and waste management

Source: Japan Industrial Waste Information Center
“State of the 3Rs in Asia and the Pacific”

Collaborative project among 3R Forum member countries, secretariat and experts to publish a report to show:

- **Progress made on 3R policy implementation** in the region
- **Practical knowledge** on challenges faced by member countries, market conditions for waste management and 3R businesses, and possible solutions.
- Information available in effective manner through *same format and same set of indicators* for each country
- **Accumulation of experiences and lessons** through development of report and knowledge base in a regular basis and comparable manner

Knowledge base to assist improved decision making towards effective implementation of 3R and environmentally sound waste management at local and national level
Promoting International Cooperation for Improving Global Resource Efficiency
Workshop Under the G7-Alliance on Resource Efficiency

Memorandum of Cooperation
Support for developing laws, regulations, waste management plans, and guidelines, regarding 3R and waste management

China

Bangladesh
- Assistance for national 3R strategy development provided since 2006.
- National strategy established in December 2010.

Thailand
- Assistance for national 3R strategy development provided since 2005.

Cambodia
- Assistance for national 3R strategy development provided since 2005.

Philippines
- Environmental dialogue on waste management since 2005.

Vietnam
- Assistance for national 3R strategy development provided since 2005.
- National strategy established in December 2009.

Indonesia
- Assistance for national 3R strategy development provided since 2005.
- Final draft of the national 3R strategy is in the process of obtaining government approval.

Korea

Malaysia
- Assistance for Development of Strategic Plan for Organic Food Waste Management provided since 2010.
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Role Model for cooperation

Development of regulations and standards.


Japan
Government
Municipalities
Private Corporation

Partner Country
Government
Municipalities
Private Corporation

Government
Municipalities
Private Corporation
International Contribution through Japan’s Advanced Technology

- Japanese waste management and recycling industries have established the advanced technologies in 3R and waste management, in order to meet social needs.

- To contribute to reduction of environmental burden and establishment of a sound material-cycle society on a global scale by introducing Japanese advanced technology to developing countries suffering from waste problems.

- Ministry of the Environment Japan promotes Japan’s Advanced Technology overseas.

*The market of municipal solid waste in 8 major Asian countries (incl. China, India and Thailand) is estimated to reach 17 trillion yen in 2020.
### FY2014 Training Support for Local Officials

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<td>5</td>
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<tr>
<td>Thai, Vietnam</td>
<td>Waste Disposal</td>
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Implements measures to facilitate procedures for international transportation of recyclable waste in cases when such initiatives would contribute to environmental burden reduction and effective utilization of resources.

- Strengthen border control through enhancing cooperation among relevant countries and institutions in order to prevent environmental pollution due to international transportation of hazardous substances, etc.

- Accept, via the means of government institutions, waste, etc., that cannot be appropriately treated at developing countries but that Japan possesses the capacity to treat, and alleviate the negative impact on the environment and health at developing countries and effectively utilize such waste as resources.

- Facilitate export of recyclable waste that has only limited utilization domestically and meets the requirement to not cause environmental pollution.
Promoting International Cooperation for Improving Global Resource Efficiency
Workshop Under the G7-Alliance on Resource Efficiency

- Waste & Recycling

- Regional 3R Forum in Asia and the Pacific

- Japan’s Waste Management and Recycling Technologies and Businesses

THANK YOU !!!