

**THE EXPERIENCE OF JAPAN
AND ITS ACTION PLAN
FOR THE PROMOTION OF THE 3Rs**

- Challenge to Establish a Sound Material-Cycle Society -

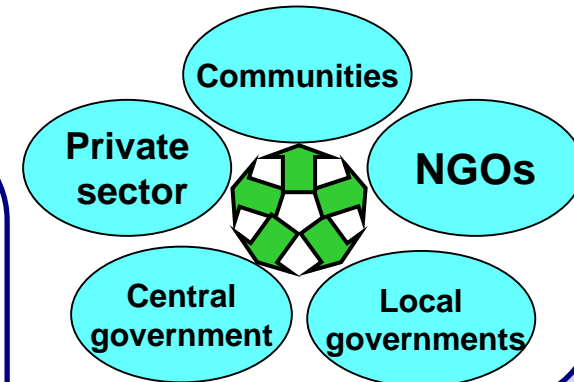
**Yuriko KOIKE
Minister of the Environment
Government of Japan**

FIVE ISSUES FOR THIS CONFERENCE

II. Reduction of Barriers to the International Flow



IV. Cooperation among Stakeholders



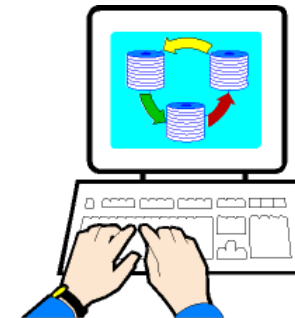
I. Promotion of the 3Rs

Reduce
Reuse
Recycle

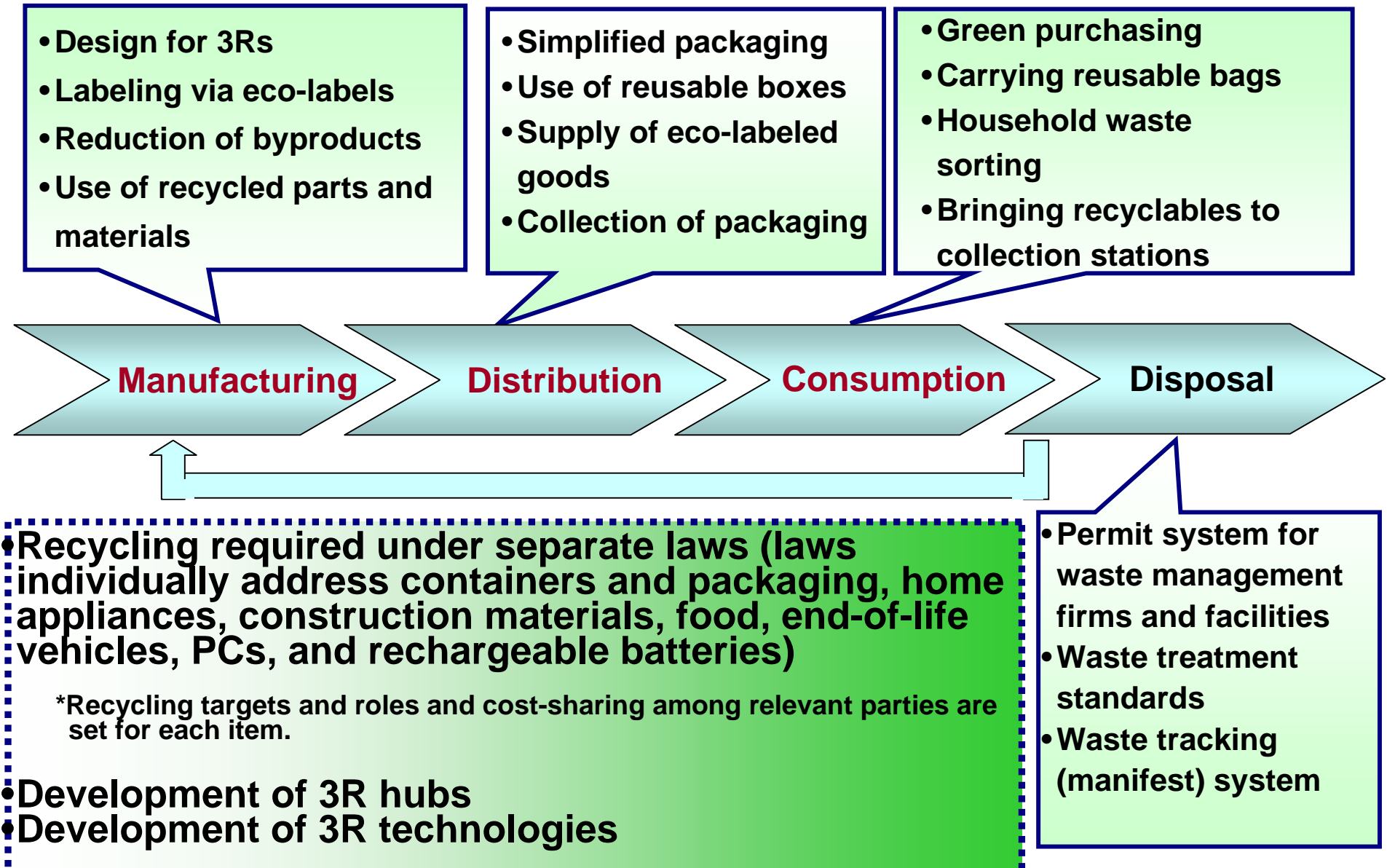
III. Cooperation with Developing Countries



V. Promotion of Science and Technology Suitable for 3Rs



I-1 CURRENT MEASURES FOR 3Rs IN JAPAN



I-2 JAPAN'S TEN-YEAR PROGRAM

Fundamental Plan for Establishing a Sound Material-Cycle Society

- Decided by the Cabinet in March 2003
- 10-year framework of programs for changing unsustainable consumption and production patterns, as a follow up to the Johannesburg Plan of Implementation
- Quantitative Targets (FY2000 – 2010):

i) Resource Productivity (GDP/Direct material input)

JPY280,000/t → JPY390,000/t

ii) Cyclical Use Rate (Reused and recycled material input/Total material input)

10% → 14%

iii) Final Disposal Amount

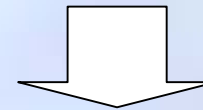
56 million t → 28 million t

I-3 HIGH-PRIORITY POLICY AREAS

- Promotion of design for the environment (DfE) and clean technologies
- Reduction of household wastes
- Formulation of local action plans for SMC society
- Review of recycling laws
- Promotion of measures against illegal dumping and transboundary movement of wastes

Local Council on Promotion for SMC Society

(Collaboration among central and local governments)



Local Action Plan for SMC Society

Agents: Municipalities

Targets: Reduction rate, Recycling rate and Final disposal amount

Policy Packages:

Development of facilities for recycling, etc.

II-1 REDUCTION OF BARRIERS TO THE INTERNATIONAL FLOW OF GOODS AND MATERIALS

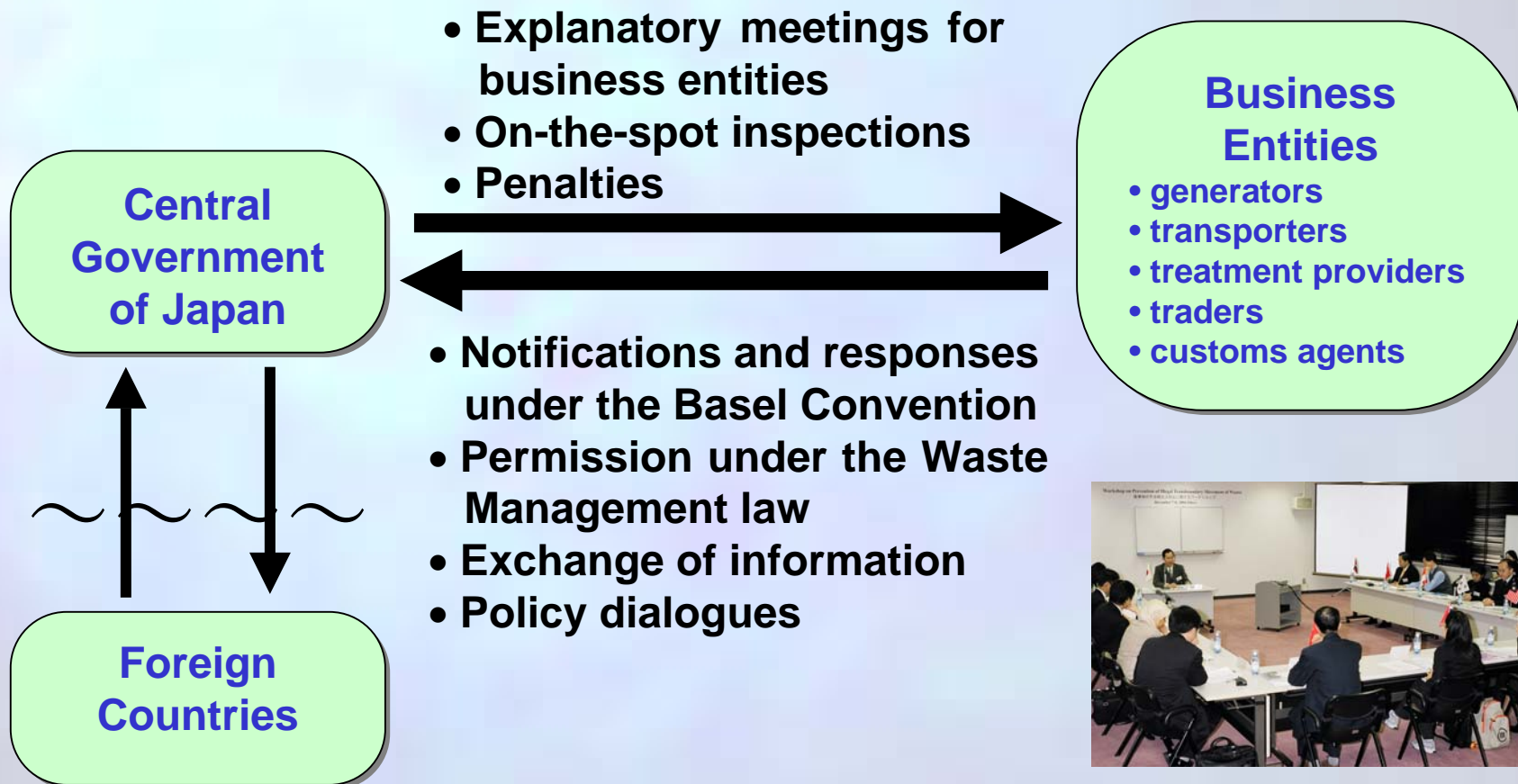
Barriers to Trade of 3R-Related Goods and Materials

- Further use of recycled goods/materials and clean technologies : beneficial to the environment and the economy
- Need to reduce barriers :
On-going work at WTO

Transboundary Movements of Wastes

- 1st Priority: Waste minimization through promotion of 3Rs within a country
- Fundamental Condition:
Prevention of environmental pollution

II-2 PREVENTION OF ILLEGAL TRANSBOUNDARY MOVEMENTS OF WASTES



Asian Network for Prevention of Illegal Transboundary Movement of Hazardous Wastes

III-1 JAPAN'S INTERNATIONAL COOPERATION

Cooperation Focused on Waste Management

- Support for the development of master plans on waste management
- Holding of training/seminars
- Provision of materials/equipment for waste collection
- Grants/loans for landfill construction

Cooperation for Promotion of the 3Rs

Examples of support for policy formulation:

- Master plan on solid waste reduction (Malaysia)
- Framework to promote industrial environmental management (The Philippines)
- Master plan on industrial waste recycling (Tunisia)

III-2 PROMOTION OF THE 3Rs IN ASIA AND THE WORLD

Setting up of Frameworks

Enhancement of government workers' capacity

Promotion of research and accumulation of knowledge

Setting up of Visions and Rules

Formulation of visions at a regional level

Formulation of national plans for the 3Rs/waste management

Creating Opportunities

Exchange of policy planners

Enhancement of policy dialogues

Information sharing

Networking

IV-1 ENHANCEMENT OF PARTNERSHIPS (1)

Community-Level Actions

- Important roles of local governments as coordinators
- Initiative of local administrative heads

Private-Public Partnerships

- Sharing information on “good practices”
- Case studies (e.g., identification of successes/ failures or incentives in the partnerships)

Cooperative waste sorting



IV-2 ENHANCEMENT OF PARTNERSHIPS (2)

Partnership among Companies in Different Categories

- Development of hubs for the 3Rs
- “Win-win” (Economic and environmental benefits)

Eco-Town Projects for Development of 3R Hubs



Partnership between Exporting and Importing Countries

- Sharing information on the environmental aspects of products for environmental-sound recycling and disposal

V-1 CABINET OFFICE JAPAN'S PROGRAM ON SCIENCE AND TECHNOLOGY

Reduction of Resource
Consumption

Reduction of
Environmental Risk

Reduction of
Final Disposal
Amount

**Program for the Development of Supporting Systems
for the Establishment of a Sound Material-Cycle Society**

Budget

Approx. JPY 21 billion

(cumulative from FY2000 to 2004)

Program on Sound
Material-Cycle
Design/Production

Program on Recycling
Technology/Systems

Program on
Sound Disposal
Technology/Systems

Upstream
approach

Downstream
approach

V-2 PROMOTION OF SCIENCE AND TECHNOLOGY SUITABLE FOR THE 3Rs

High-Priority Areas

- Research on regional material-cycle systems
- Research on material flows
- Development of 3R clean technologies
- Development of “Design for the 3Rs” technology

International Cooperation

- Further development of material flow accounts (MFA) at the OECD
- Promotion of information sharing, exchanges of researchers, joint studies etc.
- Establishment of network among researches

JAPAN'S ACTION PLAN FOR DEVELOPING GLOBAL ZERO WASTE SOCIETY

Realization of Zero Waste in Japan

- Review of the Fundamental Plan for Establishing a SMC Society
- Review of 3R-relevant policy

Support to Developing Countries for Developing Zero Waste Society

- Assistance to capacity building of developing countries

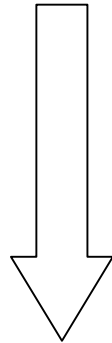
Collaborative Efforts toward Global Zero Waste Society

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

TOWARD THE FUTURE

Global Promotion of 3Rs

Spirit of “mottainai”
“もったいない”



**Global Establishment of Sound
Material-Cycle Societies**