Monday 30 October

8:30 – 9:30  Registration

9:30 – 10:00  Opening Session

Opening Remarks
Mr. Masatoshi Wakabayashi, Minister of the Environment, Japan

Background and Objectives of the Asia 3R Conference
- Based on Lessons Learnt in Japan -
  Mr. Hideto Yoshida, Director-General, Waste Management and Recycling Department, Ministry of the Environment, Japan

Orientation on the Agenda of the Conference
Mr. Hiroaki Takiguchi, Head, Task Force for the 3R Initiative, Waste Management and Recycling Department, Ministry of the Environment, Japan

Aims of the Conference
Many countries in Asia face problems associated with the increasing amount and varieties of waste. Also, recyclables, including waste, move regionally beyond national borders in Asia. To respond to the problems mentioned above, how should we promote the 3Rs in Asia? What kind of collaboration is necessary?

10:00 – 10:50  Plenary Session 1  Priorities and practices of the 3Rs in Asia

Keynote Speech  Establishing a Sound Material Cycle Society in Asia (20 min.)
Dr. Yuichi Moriguchi, National Institute for Environmental Studies (NIES), Japan

Environmentally Sound Waste Management in Asia (20 min.)

Prof. C. Visvanathan, Asian Institute of Technology (AIT)

Q & A (10 min.)

10:50 – Break
11:00

11:00 – Activities of International Organizations and Aid Agencies
12:30

Promotion of the 3Rs by UNEP/IETC (10 min.)

Dr. Per Bakken, Director, United Nations Environmental Programme (UNEP) / International Environmental Technology Centre (IETC)

UNEP Regional Cooperation on 3R (10 min.)

Mr. Hiroshi Nishimiya, Deputy Regional Director, United Nations Environmental Programme (UNEP)/ Regional Office for Asia and the Pacific (ROAP)

Activities by UNCRD (10 min.)

Mr. Kazunobu Onogawa, Director, United Nations Centre for Regional Development (UNCRD)

UNESCAP's Activities for the 3Rs (10 min.)

Mr. Masakazu Ichimura, United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)

ADB’s Activities for the 3Rs (10 min.)

Mr. Takashi Ohmura, Asia Development Bank (ADB)

JICA's Cooperation for the 3Rs (10 min.)

Ms. Kyoko Okubo, Team Director, Global Environment Department. Japan International Cooperation Agency)
Q&A and Discussion (40 min.)

Discussion Points:
What kinds of projects and activities are being prepared or implemented by international organizations and aid agencies? How can Asian countries be involved in these projects and activities?

12:30 – Lunch
14:00

14:00 – Working Group Session One
15:30 Working Group 1: Partnership and International Cooperation for the Promotion of the 3Rs
Working Group 2: Medical Waste Management

14:00 – Working Group 1 Partnership and International Cooperation for the Promotion of the 3Rs
15:30

3R Implementation in Indonesia (10 min.)

Mr. Mohammad Helmy and Mr. Tulus Laksono,
Ministry of Environment, Indonesia

3R in India (10 min.)
Dr. Lakshimi Raghupathy, Additional Director, Ministry of Environment and Forest, India

Initiatives for Recycling and Reuse of Municipal Solid Waste in India (10 min.)

Dr. R. C. Trivedi, Additional Director, Central Pollution Control Board, Ministry of Environment and Forest, India

An Innovative Partnership Initiative among Stakeholders to Promote the 3R Concept in South Asia (10 min.)
Dr. A. A. Boaz, Director-General, South Asia Co-operative Environment Programme (SACEP)

Waste Management in Nagoya (10 min.)
Mr. Fumitaka Kito, Director-General, Waste Reduction Department, City of Nagoya, Japan

Citizens' international cooperation for promoting the 3Rs (10 min.)
Asia Waste Watch (Asia Gomi Mondai Kenkyukai)

Discussion (30 min.)

Discussion Points:
For the promotion of the 3Rs, what kinds of activities are implemented by stakeholders such as state, local government, businesses and NGOs? To develop partnerships between stakeholders, what kinds of issues have to be taken into consideration? For stakeholder collaboration in the 3Rs, how should the informal sector be involved?

14:00 – 15:30 Working Group 2 Medical Waste Management

Medical Waste Management Issues in Asia (20 min.)
Prof. C. Visvanathan, AIT

Doctors’ Efforts Toward Appropriate Medical Waste Management (15 min.)
Mr. Satoshi Imamura, Executive Board Member, Japan Medical Association

China’s Circular Economy: Treatment of Medical Wastes (15 min.)
Dr. Zhou Guomei, Director of Environment and
Hospital Waste Management Issues and Steps Taken by the Government of Pakistan (15 min.)

Mr. Jawed Ali Khan, Director, Ministry of Environment, Pakistan

Discussion (25 min.)

Discussion Points:
What kinds of practices are implemented for medical waste management? What waste problems did countries face from SARS and bird (avian) influenza outbreaks and how did countries overcome? What are the key issues for greater collaboration between waste management authorities, health and welfare authorities, and hospitals?

15:30 – 16:00
Coffee Break

16:00 – 17:30
Working Group Session Two

16:00 – 17:30
Working Group 1
Partnership and International Cooperation for the Promotion of the 3Rs
Japan’s international cooperation for the 3Rs in Asia (10 min.)

Mr. Hidetoshi Kimura, Director, Policy Planning Division, Waste Management and Recycling Department, Ministry of the Environment, Japan

Waste Management in Lao PDR (10 min.)

Mr. Thevarack PHONEKEO, Deputy Chief of International Cooperation Division, Science Technology and Environment Agency, Lao PDR
Current Status of Waste Management in Cambodia (10 min.)

Mr. Sarun Sambo, Chief, Office of Solid Waste and Hazardous Substance Management,
Department of Environmental Pollution Control,
Ministry of Environment

International Protocols on waste Characterization and Life Cycle analysis for 3R Initiatives (10 min.)

Prof. Benedict Francis Antony Basnayake,
University of Peradeniya, Sri Lanka

Fuji Xerox International Resource Recycling System in Asia-pacific region (10 min.)

Mr. Tomio Watanabe, Senior Staff Manager,
Fuji Xerox Co., Ltd.

Discussion (40 min.)

Discussion Points:
What kind of international collaboration is possible for the promotion of the 3Rs?
Can the transfer of second-hand equipment contribute to environmentally sound management of emergent waste issues?
How can private companies support international recycling networks?
What are the policy concerns and possible responses regarding international recycling networks?

16:00 – 17:30
Working Group 2 Medical Waste Management

Treatment and Disposal Technologies for Medical Waste in Developing Countries (20 min.)

Dr. Mohd Nasir Hassan, Environmental Engineer,
Status and Challenges of Medical Waste Management in Korea (15 min.)

Dr. Gil Jong Oh, Director, Resource Recirculation Division, Environmental Diagnostics Research Department, National Institute of Environmental Research, Republic of Korea

Discussion (55 min.)

Discussion Points:
What kinds of practices are implemented for medical waste management in each country? What types of information and experiences, including best practices and failures, should be shared among countries? For the future promotion of medical waste management in Asia, what sort of international collaboration is expected?

17:30 Close

18:00 – Reception
19:30 Welcoming Remarks
Ms. Shinako Tsuchiya, Senior Vice-Minister of the Environment, Japan
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9:30 – Working Group Session Three
11:30 Working Group 3: Municipal Organic Waste Management
Working Group 4: Electronic and Electrical Wastes (E-Waste) Management

11:30

3Rs for Municipal Organic Waste (20 min.)
Prof. Masanobu Ishikawa, Kobe University

Solid Waste Management in the Maldives (15 min.)
Mr. Ahmed Murthaza, Project Officer, Regional Environmental Cooperation Division, Environmental Research Centre, Maldives

Separation and Recovery of Municipal Organic Waste and Recycled to Organic Fertilizer (15 min.)
Mr. Ana. B Cabatbat, Science Research Specialist, Environmental Management Bureau, Department of Environment and Natural Resources, Philippines

Solid Waste Management in Bhutan (15 min.)
Mr. Nado Rinchen, Deputy Minister, National Environment Commission, Bhutan

Integrated Solid Waste Management in Singapore (15 min.)
Mr. Ong Seng Eng, Head, Resource Conservation Department, National Environment Agency, Singapore
Community-Based Solid Waste Management Through Public-Private Community Partnership – Experience of Waste Concern - (15 min.)

*Mr. Iftekhar Enayetullah, Director, Waste Concern, Bangladesh*

Discussion (25 min.)

**Discussion Points:**
- What kinds of municipal organic waste are generated in each country?
- How is municipal organic waste recovered, transported, processed, and disposed of?
- Is waste separation taking place?
- What are the problems to be overcome for the reduction and recycling of municipal organic waste?
- What experiences would be useful to share among stakeholders?

9:30 – 11:30

**Working Group 4**
**E-Waste Management**

E-Waste Issues in Asia (15 min.)

*Dr. Atsushi Terazono, National Institute for Environmental Studies (NIES), Japan*

Introduction of the Overall Progress of the Asia-Pacific E-waste Project (10 min.)

*Secretariat of the Basel Convention*

Development of Regional Technical Guidelines for E-waste Inventory and ESM 5R of E-waste (15 min.)

*Mr. Aboejoewono Aboeprajitno, Director, the Basel Convention Regional Centre in Indonesia*

Standards System of Waste Products Recovery in China (10 min.)
Ms. Lin Ling, Deputy Professor, and Ms. Zhang Xin, Engineer, China National Institute of Standardization, China

International Recycling Network of Mobile Phone in Asia Region (10 min.)
Mr. Masayuki Naka, Senior Manager, Strategic Planning Department, Dowa Eco-System Co., Ltd.

Discussion (30 min.)

Discussion Points:
What types of E-waste are generated in each country?
What are the problems associated with E-waste?
Progress of the E-waste Project of the Basel Convention.
On what kind of issues should the aforementioned project focus?
How should private companies be involved in international cooperation for E-waste management?

11:30 – 12:00
Side Event
Theme: Potential for “Johkasoh” (Private Wastewater Treatment Tank) in Asia

12:00
Domestic Wastewater Treatment by Johkasou Systems in Japan (10 min.)
Mr. Hiroshi Ogawa, Japan Education Center of Environmental Sanitation, Japan

Precondition and Prospect for the Development of Johkasoh in Asia (10 min.)
Mr. Kazuaki Mori, General Manager Planning, Overseas Environmental Cooperation Center, Japan

Q&A (10 min.)
12:00 – 13:30 Lunch

13:30 – 15:30 Working Group Session Four

Bio-Energy Recovery Challenge (20 min.)
Prof. Shinichi Sakai, Kyoto University

Household Waste Composting and Recycling of Municipal Organic Waste in Sri Lanka (15 min.)
Mr. H. S. Premachandra, Assistant Director, Central Environment Authority, Sri Lanka

Foodwaste Minimization and Recycling (FMR) in Korea (15 min.)
Mr. Joon Ki Kim, Deputy Director, Municipal Waste Management Division, Ministry of Environment, Republic of Korea

Waste Management Initiatives and Challenges of Nepal (15 min.)
Dr. Chhewang N. Lama, Agricultural Officer, Ministry of Environment, Science and technology, Nepal

Solid Waste Management In Negara Brunei Darussalam (15 min.)
Mr. Haji Mohd Noor Haji Salleh, Environment Officer, Department of Environment, Parks and Recreation, Ministry of Development, Brunei Darussalam

Discussion (40 min.)

Discussion points:
What kinds of recycling of municipal organic waste are implemented in each country? What are the issues and possible solutions to these issues?

Best practices and failures in recovery of bio-energy from municipal organic waste. To promote synergy with global environmental issues, how should municipal organic waste be treated as a resource?

13:30 – 15:30

**Working Group 4**

**E-waste Management**

International Material Cycle and Review of the Home Appliance Recycling Law (20 min.)

*Prof. Eiji Hosoda, Keio University*

Policy Direction on E-Waste Recycling in Korea (15 min.)

*Dr. Il Ho Park, Director, Resource Recycling Division, Ministry of Environment, Republic of Korea*

China's Circular Economy: Treatment of E-Waste (15 min.)

*Dr. Zhou Guomei, Director of Environment and Economy Division, Policy Research Center, State Environmental Protection Administration, China*

E-waste Management: Thailand Experience (15 min.)

*Mr. Charuek Hengrasamee, President, Electrical and Electronics Institute, Thailand*

Discussion points for the internationally-harmonized EPR systems (15 min.)

*Institute of Global Environmental Strategies (IGES) and UNESCAP*

Discussion (40 min.)
What kinds of measures are introduced for E-waste management in each country? What mechanism exists especially for the recycling of electronic home appliances?
What are the achievements and problems of such mechanisms? What kind of international collaboration is possible to solve trans-boundary issues of E-waste?
How should EPR principles be applied to the situation of increasing trans-boundary movement of products?

15:30 – Coffee Break
16:00

16:00 – Plenary Session 2
17:30
Report from the chairs of the working groups
Working Group 1 (10 min.)
Working Group 2 (10 min.)
Working Group 3 (10 min.)
Working Group 4 (10 min.)

Discussion (50 min.)

Discussion Points:
Based on the reports from the working groups, what should we do?

17:30 Close
Wednesday 1 November

9:30 – Plenary Session 3
11:50
Promotion of the 3Rs in Asia from the present onwards

Discussion on Chair’s Summary (110 min.)

Report from Japan’s National Conference on Environmental Sanitation “Challenges for the 3Rs in Asia” (20 min.)

Prof. Masaru Tanaka, Okayama University

Comments from Observers (G8 countries) (10 min.)

Comments from NGOs (10 min.)

11:50– Close
12:00
Closing Remarks

Mr. Tomokatsu Kitagawa, Parliament Secretary of the Environment, Japan

12:00 – Lunch
13:00
Afternoon

Excursion (optional)

(Tokyo Waterfront Recycle Power Co. Ltd.)

Note: Asian Development Bank and UNEP plan to hold an internal working group on the 3R Knowledge Hub on the afternoon of 1 November.