



Division of Technology, Industry and Economics



## UNEP-DTIE-IETC Global Partnership on Waste Management

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2<sup>nd</sup> High Level Seminar on Environmentally Sustainable Cities  
15-16 March 2011, Kitakyushu



## UNEP/DTIE/IETC



### UNEP

UNITED NATIONS ENVIRONMENTAL PROGRAMME

provides leadership and encourages partnership in caring for the environment.

### DTIE

DIVISION OF TECHNOLOGY, INDUSTRY AND ECONOMICS

encourages decision makers to develop and implement policies, strategies and practices that are cleaner, safer and efficient.

### IETC

INTERNATIONAL ENVIRONMENTAL TECHNOLOGY CENTER

promotes and implements Environmentally Sound Technologies (ESTs)

- Disaster Prevention
- Waste Management
- Water and Sanitation



## IETC Activities on Waste



- UNEP GC decision 26/L2 on Chemicals and Waste Management
- UNEP GC decision 25/8 on Waste
- UNEP Programme of Work
- Basel 9th COP on Waste Management: Bali Strategic Plan for Technology Support and Capacity-building
- Millennium Development Goals
- CSD 18 and 19 on Waste
- Support to MEAs

#### Field Projects:

- Integrated Solid Waste Management
- E-waste
- Waste Plastics
- Waste Agricultural Biomass

#### Normative function:

- Guidelines and training
- Waste and climate change
- Compendium of technologies

Global Partnership on Waste Management

Information Platform on Waste Management

## Global Partnership for Waste Management



- GPWM is an **open-ended partnership** for international agencies, governments, businesses, academia, local authorities and NGOs
- GPWM supports the **development of work plans** to facilitate the implementation of integrated solid waste management at national and local level to overcome environmental, public health, social and economic issues inflicted by waste and its impact.
- GPWM will also support to **undertake policy dialogues** and other activities to exchange experiences and practices. It will facilitate enhanced awareness raising and capacity building.



## Overall Objectives



- To **protect human health and environment**, and to tackle adverse impacts of unsound management of waste
- To **promote resource efficiency** through waste prevention and by recovering valuable material and/or energy from waste
- To **enhance international cooperation, knowledge management and sharing**

## Expected Outcomes



- **Holistic approach** on waste management is facilitated.
- Already available **information is shared** and additional information is created to fill the gaps.
- Members get benefited from each others' actions.
- Enables **complementarities** with various waste conventions, initiatives, and activities.
- Activities are undertaken by partners in a coordinated manner.
- Resources are utilized **efficiently and effectively** – avoiding duplication of efforts, streamlining of resource utilization and information sharing across multiple activities.
- **Synergized efforts** in holistic manner - activities and initiatives within countries to be developed and implemented in synergy and in holistic manner.
- **Multi stakeholders involvement** including academia, NGOs, private sector, government and international organizations
- Enhanced **transfer of technology and knowledge**

## Focal Areas

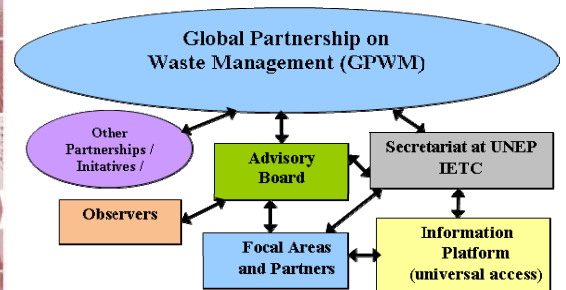


From a short list of Focal Areas the participants proposed the following **priority areas** (subject to the confirmation of respective lead members):

1. Waste prevention (ISWA)
2. 3R for waste management (UNCRD)
3. Waste agricultural biomass (UNEP-IETC)
4. Integrated solid waste management (UNEP-IETC)
5. E-waste management (SBC)
6. Hazardous waste management (SBC)
7. Marine Litter (UNEP-DEPI)

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## Structure of GPWM



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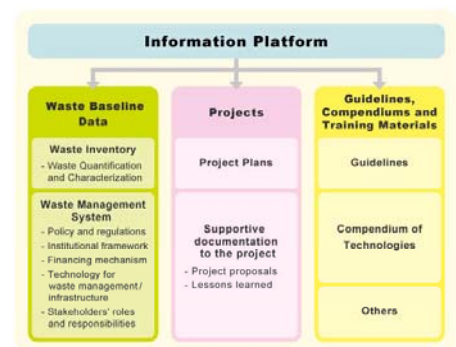
## Information Platform for Waste Management



- to promote, share and exchange information on solid waste related issues in different countries, regions or cities.
- currently developed as a prototype with in-house capacity and resources available to UNEP-IETC
- full scale platform to host the information and links to the information of other entities.

[http://www.unep.or.jp/ietc/GPWM/info\\_platform.html](http://www.unep.or.jp/ietc/GPWM/info_platform.html)

## Current Structure of the Information Platform



## Waste Baseline Data



Project	WASTE INVENTORY	
	Waste Quantification and Characterization	
Integrated Solid Waste Management (ISWM)	China - Wuxi	○
	India - Pune	○
	Lesotho - Maseru	○
	Sri Lanka - Matale	○
	Brazil - Novo Hamburgo	○
Waste Agricultural Biomass (WAB)	Kenya - Nairobi	On-going
	Ethiopia - Bahir Dar	○
	Philippines - Cabiao	On-going
	Nepal - Madhyapur Thimi	○
	Sri Lanka - Uva Province	○
Waste Plastic	Pakistan - Sanghar	○
	India - Agra	○
	India - Faridabad	○
	Thailand - Bangkok	○
	Thailand - Chiang Mai	○
E-waste	Philippines - Cebu	○
	Philippines - Mandaue	○
	Cambodia - Phnom Penh	○

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## Projects



Project	PROJECT PLAN
China - Wuxi	<ul style="list-style-type: none"> <li>• ISWM Plan                             <ul style="list-style-type: none"> <li>○ Volume I: Strategic Action Plan</li> <li>○ Volume II: Schemes processed under Strategic Action Plan</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• Training Package for ISWM Plan</li> <li>• ISWM Plan                             <ul style="list-style-type: none"> <li>○ Volume I: Strategic Action Plan</li> <li>○ Volume II: Schemes processed under Strategic Action Plan</li> </ul> </li> <li>• Stakeholders' Consultation Workshops for Integrated Waste Management Plan</li> <li>• Awareness Package for Integrated Waste Management Plan</li> </ul>
India - Pune	<ul style="list-style-type: none"> <li>• Baseline Assessment of Waste Management</li> <li>• Weak Spot and Gap Analysis of the Baseline Assessment for the Development of an ISWM System</li> <li>• ISWM Plan</li> <li>• Environmentally Sound Technologies to be used in the implementation of ISWM</li> </ul>
	<ul style="list-style-type: none"> <li>• Policy Framework for an Integrated Waste Management Plan</li> <li>• Integrated Waste Management Plan - Financial Strategy</li> <li>• Training, Awareness Raising and Planning Workshops for ISWM Plan</li> </ul>
Lesotho - Maseru	<ul style="list-style-type: none"> <li>• ISWM Plan</li> <li>• Strategic Action Plan for ISWM Plan (Volume I)</li> <li>• Schemes Proposed under Strategic Action Plan for ISWM Plan (Volume II)</li> </ul>
	<ul style="list-style-type: none"> <li>• ISWM Plan</li> <li>• Strategic Action Plan for ISWM Plan (Volume I)</li> <li>• Schemes Proposed under Strategic Action Plan for ISWM Plan (Volume II)</li> </ul>
Sri Lanka - Matale	<ul style="list-style-type: none"> <li>• ISWM Plan</li> </ul>
Brazil - Novo Hamburgo	<ul style="list-style-type: none"> <li>• ISWM Plan</li> </ul>
Kenya - Nairobi	On-going



## Guidelines, Compendiums, Training Materials



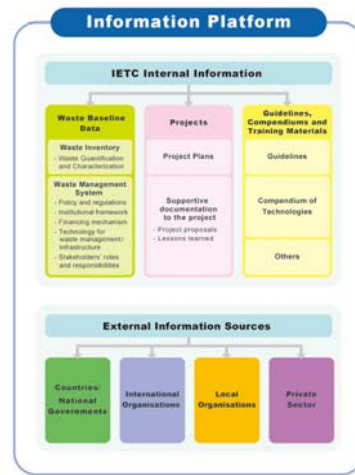
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### GUIDELINES

Project	GUIDELINES
Integrated Solid Waste Management (ISWM)	<ul style="list-style-type: none"> <li>Training Manual</li> <li>Vol. 1: Waste Characterization and Quantification with Projections for Future, Jun 2009 (PDF 884kB)</li> <li>Vol. 2: Assessment of Current Waste Management System and Gaps therein, Jun 2009 (PDF 294kB)</li> <li>Vol. 3: Targets and Issues of Concern for ISWM, Jun 2009 (PDF 301kB)</li> <li>Vol. 4: ISWM Plan, Jun 2009 (PDF 3.6MB)</li> </ul>
	<ul style="list-style-type: none"> <li>Converting Waste Plastics into a Resource – Assessment Guidelines, Dec 2009 (PDF 678kB)</li> </ul>
	<ul style="list-style-type: none"> <li>E-Waste</li> <li>Vol. 1: Inventory Assessment Manual, Dec 2007 (PDF 1.7MB)</li> <li>Vol. 2: E-waste Management Manual, Feb 2007 (PDF 3.5MB)</li> </ul>

### COMPENDIUMS

Project	COMPENDIUMS
Waste Agricultural Biomass (WAB)	<ul style="list-style-type: none"> <li>Converting Waste Agricultural Biomass into a Resource – Compendium of Technologies, Oct 2009 (PDF 5.2MB)</li> </ul>
Waste Plastic	<ul style="list-style-type: none"> <li>Converting Waste Plastics into a Resource – Compendium of Technologies, Dec 2009 (PDF 1.4MB)</li> </ul>



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## Future Structure of the Information Platform



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**Thank You...**

