

Regional Integrated Solid Waste Management Training

Background

Demonstration projects on the development of Integrated Solid Waste Management (ISWM) Plans have confirmed the applicability of the ISWM approach in the context of developing countries. It also revealed the lack of capacity in developing countries to undertake activities leading to the development of ISWM Plan. Thus IETC has conducted intensive Regional Training Workshops in Asia-Pacific and Africa.

Objectives of the ISWM Training Workshops

The objectives of the workshops were as follows:

- To raise awareness on waste related issues and provide conceptual understanding of the ISWM Approach.
- To build capacity of local government authorities, businesses and civil society organizations in dealing with waste issues in general.
- To build capacity on integrated solid waste management covering baseline data collection on quantification and characterization of waste from all sources; assessment of present waste management system; identifying issues of concern from all local stakeholders and development of an Integrated Solid Waste Management (ISWM) Plan including identification of technologies and policy instruments.
- To disseminate results and lessons learnt from the ISWM demonstration projects.

Regional Training in Africa

UNEP-DTIE-IETC, in cooperation with the Centre for Studies on Sustainable Development of the University of Mauritius, conducted a five-day Regional Training Workshop on Integrated Solid Waste Management in Mauritius from Monday 9th to Friday 13th March 2009.

21 participants, including 5 from Mauritius, were invited from 12 African countries and from UNEP offices in Nairobi and Bahrain.

There were 4 resource persons for the workshop: two from UNEP-IETC (Mr. Surya Chandak and Dr. Mustaq Memon), one Consultant (Dr. Prasad Modak from the Environment Management Centre, Mumbai) and one from the University of Mauritius (Prof. Toolseeram Ramjeawon).

Workshop Process

The Workshop process included a combination of lectures, discussion, role playing exercise, Group Work on SIMWASTE and field visits.

- Lectures and Discussion on the Methodology for Developing ISWM plans for a city. The resource persons from UNEP-IETC also summarized the experiences and lessons learnt from pilot projects in 3 cities(MASERU, WND, MATALE)
- Role Playing Exercise: A Role Playing Exercise – Case of No Waste City-was conducted. To ratify a certain waste management proposal by a private company, a mayor called for a Discussion meeting. Participants were assigned “Roles”, functioning in a group. There were 7 role playing groups representing various stakeholders. Role play lasted for 40 minutes.
- Group Work on SIMWASTE software tool: Participants, working in Groups, had to use the spreadsheet tool SIMWaste provided to them to visualize a “first cut” rapid assessment of the problems with available inputs and determine critical areas for future work for the hypothetical city of Querix. Participants presented their conclusions on the final day of the workshop.

Additionally 3 field visits were organized to the following:

- Visit of PET Recycling Factory (POLYPET) in Solitude.
- Meeting with the Mayor and Employees of the Municipality of Curepipe.
- Visit of the Mare Chicose landfill.

Regional Training in Asia-Pacific

UNEP-DTIE-IETC, in cooperation with the Global Environment Centre Foundation (GEC) held a four-day Regional Training Workshop on Integrated Solid Waste Management in Osaka (Japan) from Monday 5th to Thursday 8th October 2009.

A total of 12 participants from 9 Asian Pacific Region Countries and from UNEP and UNESCAP Regional office in Bangkok attended the workshop.

The workshop was conducted by Dr. Mustaq Memon.



Workshop Process

The Workshop process included a combination of lectures, discussion, case study group work on a case study and field visits.

- Lectures and Discussion on the Methodology for Developing ISWM plans for a city. The resource person also summarized the experience and lessons learnt from the ISWM demonstration project in WND. The SIMWaste software tool was also presented.
- Group Work on the development of ISWM for a hypothetical city: Groups comprising of representatives of national government, local government, research and a UN representative were formed. Each group worked on defining the current waste management system of the hypothetical city and developed a basic ISWM Plan. The challenges that every person faced in their respective role were also discussed.
- Information sharing at regional, national and global level: Participants and invited speakers from research centers, from the Ministry of Environment and from the private sector presented programs and projects on waste related issues.
- Discussion on Replication & Up-scaling of 3R Projects: Participants presented their conclusions on the final day of the workshop and a discussion was held on the best way of achieving project replications.



Additionally field visits were organized to the following:

- Eco-Town (Sakai city): Visit to RAC Kansai Ltd. and to Bio-ethanol Japan Kansai Ltd.
- Visit to Tsurumi Recycle Center and Explanation about the countermeasures against waste by Osaka city government.