**IETC's Work**

**Waste Management**

Effective and efficient management of waste including application of 3R (Reduce, Reuse, Recycle) is an essential element for promoting sustainable patterns of consumption and production. Integrated Solid Waste Management (ISWM) and recovery of useful materials/energy from waste streams is an effective approach to enhance Resource Efficiency while reducing the adverse environmental impacts caused by waste disposal.

**Integrated Solid Waste Management (<ISWM> (Lesotho, Sri Lanka, etc.))**

Application of ISWM approach has revealed tremendous opportunities for recovery of useful materials and energy, thus significantly reducing the quantity of waste for final treatment and disposal.

**Establishment of Global Partnership on Waste Management (<GPWM>)**

Being an open-ended partnership for international agencies, governments, local/municipal authorities, businesses, academia, and NGOs, it supports the development of work plans to facilitate the implementation of Waste Management at national and local level to overcome environmental, social, and economic issues inflicted by waste and its impact.

Aiming to complement existing work in the area of waste with a holistic approach which is a noted gap in waste management at large.

Supporting to undertake policy dialogue and other activities to exchange experience and practices.

Contributing to enhance the funding base available to support waste management and coordinate external financing while to reduce transactions costs by putting together both financial and technical resources to solve the problems.

The Information Platform is a framework which aims to promote, share and exchange information on solid waste related issues. It has universal access in different country/regions or cities.

**Other Projects**

- Management of Specific Waste Streams such as Waste Electrical and Electronic Equipment (WEEE)/Electronics Waste (E-waste), Waste agricultural biomass and Waste plastics
- Development of Compendium of technologies, manuals and guidelines, capacity building and awareness raising materials on different aspects of waste management
Environmental Technology Concepts

The pillar facilitates the implementation of ESTs for water and sanitation to improve resource efficiency and to enhance ecosystem management practices, through the demonstrations of promising ESTs in ecologically sensitive and water scarce areas, supporting decision-making through modeling applications and policy-relevant tools and analysis, and promoting partnerships for mainstreaming of good practice.

**Support for Environmental Management of the Iraqi Marshlands (Iraq)**

ESTs implemented have enabled drinking water provision in rural communities, and generated data and experiences in water quality and wetland management practices as well as sanitation services.

**Water Footprint, Neutrality and Efficiency (<WaFNE>)**

The WaFNE project is being implemented jointly with UNEP DTIE’s SCP Branch and UNEP Financial Initiative. The project addresses the growing need to further enhance water efficiency and to improve water quality more holistically, by applying two emerging concepts of water footprint accounting and water neutrality in key industrial sectors and within water-stressed geographical areas. Globally, the project is expected to help address water shortage and contamination. IETC focuses on public sector engagement and application of water footprint and neutrality policies within a geographical area in water-stressed regions.

“Water footprint” is a measure of water appropriation from goods and services derived through the integration of water consumption over the complete production and supply chain (direct and indirect water use). “Water neutrality” refers to the reduction and offsetting of the negative externalities resulting from the water footprint of a unit of analysis, such as a product, service, individual consumer, business or other organization.

Programme Focus

- Facilitating Integrated Water Resource Management (IWRM) based on the ecosystem approach
- Promoting Water-related ESTs including the phytotechnology concept
- Promoting environmentally sound water and wastewater provision at the community level
- Publishing technical and policy-relevant materials such as “Lessons Learned on Mainstreaming Pilot Projects into Larger Project” and “Every Drop Counts: Environmentally Sound Technologies for Urban and Domestic Water Use Efficiency” as well as modelling applications to support ESTs design
ORGANISATION

UN http://www.un.org/

UNEP http://www.unep.org/
The United Nations Environment Programme (UNEP) is an international agency to act as the environment conscience of the UN system. Its headquarters are located in Nairobi, Kenya. It aims at coordinating various environmental activities and promoting international cooperation in addressing environmental issues.

DTIE http://www.unep.fr/en/
The Division of Technology, Industry and Economics (DTIE) is a division of UNEP located in Paris, France. It aims to encourage decision makers to integrate environment into their decision making and to promote policies, business models and practices that demonstrate concern for humans and the environment.

IETC

IETC operates in Osaka

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Supporting Organisation

GEC The Global Environment Centre Foundation (GEC) contributes its expertise in urban environment management to the sustainable development of metropolitan areas in the world.
URL: http://gec.jp/

Introduction to Osaka City Government

Osaka City Government has been supporting IETC through GEC since 1994. They trust that environmental stewardship is the key to a sustainable future and aim to be an ‘Environmentally Progressive City, Osaka.’ In March 2011, Osaka City launched their ‘Environmental Vision.’ In April 2011, IETC merged its offices into one in Osaka where it is expected that IETC works strongly and closely together with Osaka City through GEC.

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