

IETC Technical work in countries

International Environmental Technology Centre (IETC)
Osaka, Japan

Waste Management: A cross-cutting issue

Waste management is an entry point to address a wide range of sustainable development issues, many of which are difficult to tackle:

- **Pollution and public health**
- **Climate change and natural disasters**
- **Engaging industry stakeholders (including the informal sector)**
- **Seizing economic opportunities (green jobs, resource efficiency)**

A reduction of 15 to 20% of worldwide GHG emissions could be achieved through sustainable waste management

Waste: High Priority Streams

- E-waste
- Marine litter and plastics
- Municipal solid waste
- Sewage
- Waste from the construction and demolition sector
- Disaster waste
- Hazardous waste



International Environmental Technology Centre

UN Environment IETC assists countries to identify and implement **technological solutions** to **environmental challenges**



Many cities and countries are working with IETC to improve Waste Management Governance

IETC Areas of Focus on Waste Management



- Environmentally Sound Technologies
- Climate Change
- Disasters
- Marine Litter
- Mercury Waste
- E-waste
- Sustainable Cities and Industry

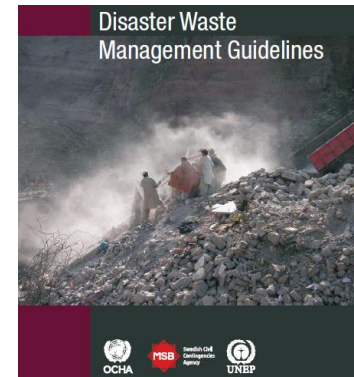
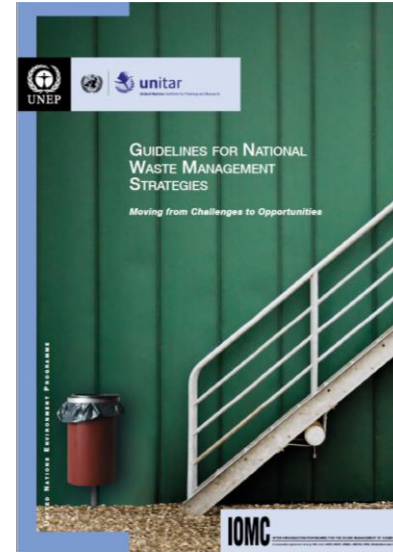
What we offer

- **Policy Support** – To enhance national and local **waste management policy frameworks, strategies** and **action plans**
- **Demonstrating Effectiveness** – In-country demonstration of innovative **methods and technologies** to reduce the impact of **climate change**, increase **resilience**, create **jobs** and improve **well-being**
- **Education and Awareness raising** – Training courses and development of academic curricula to **strengthen the technical skills** of **government officials, practitioners** and the **public**. Outreach and **policy dialogues** to raise awareness on issues and opportunities related to environmentally sound technologies



Policy support: Advancing Global Policy-Making and Partnerships

- Support of national and city waste management strategies and action plans
- Development of Guidelines for policy framework development
- Minamata Convention on Mercury
- Global Mercury Partnership
- Global Partnership on Waste Management



แนวทางการจัดการขยะมูลฝอยในภาวะฉุกเฉิน
สำหรับองค์กรปกครองส่วนท้องถิ่น



United Nations Environment Programme



KOICA
Korea International Cooperation Agency



มูลนิธิสิ่งแวดล้อมไทย



มูลนิธิสิ่งแวดล้อมไทย

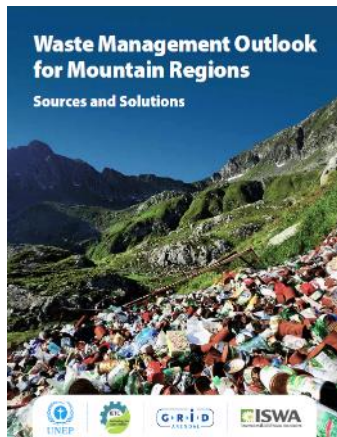
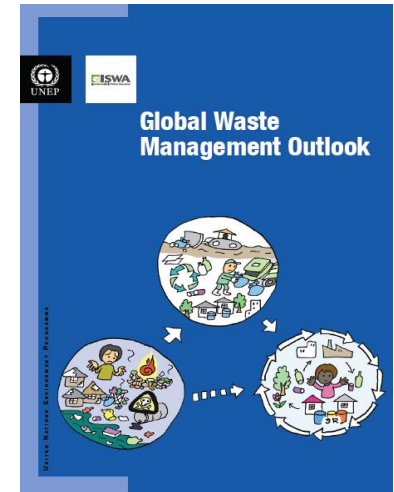
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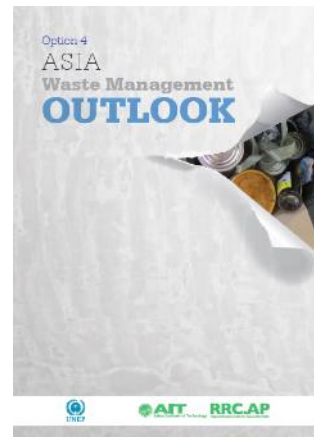
Policy support: Creating knowledge and state-of-art science

Applying lessons from the Global Waste Management Outlook

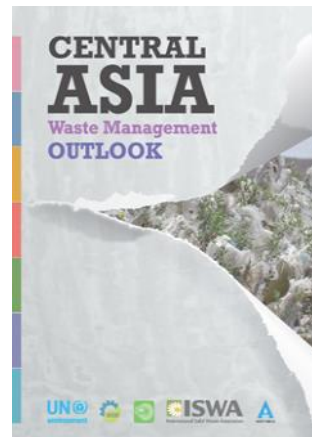
- WasteAid, United Kingdom: three-year strategy
- Imperial College London: call for action
- Nationale Nederlanden Investment Partners: responsible investments
- Regional and thematic waste management outlooks:



MOUNTAIN REGIONS



ASIA



CENTRAL ASIA



AFRICA



LAC

SIDS Waste Management Outlook

- The goal is to guide the **58 SIDS** in implementing waste management improvements
- Waste management on islands calls for **region-specific policies** and **adaptive technologies**
- **Integrated approach** to waste management (all media)



Demonstrating effectiveness: Plastic minimization project in Jamaica



In-country project to create an **enabling environment for marine plastic waste minimization** on the island:

- Work with government to create a **normative** and legislative enabling policy framework
- Support small-scale **community recycling** for entrepreneurship and green jobs
- Engage the **private sector** to implement recycling of wastes

USD 700K, funded by Japan



Education and Awareness raising

Integrating sustainable waste management approaches in university curricula for enhanced capacity

- Waste minimization
- Waste as a resource
- Top-notch science
- Circular economy
- Extending to Africa, Latin America and the Caribbean



China



Japan



Australia



Thank you



Presented by Claudia Giacobelli / Economy Division / IETC / Osaka

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