The Basel Convention Programme on E-waste in Asia-Pacific

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<table>
<thead>
<tr>
<th>Year Range</th>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2006</td>
<td>JPN FY Budget</td>
<td>USD 0.3 million</td>
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<tr>
<td>2007-2010</td>
<td>Financial Contribution (BD)</td>
<td>USD 1.5 million</td>
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<tr>
<td>2011</td>
<td></td>
<td>USD 0.4 million [in finalization]</td>
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</tbody>
</table>

USD 2.2 million
The Basel Convention Partnership on ESM of E-waste in the Asia Pacific Region

**Objectives**
- Assessment of E-waste situation
- Prevention and minimization of E-waste
- Development of ESM for E-waste
- Capacity building and awareness-raising
- Promotion of information and training

**National and Regional Projects**

**Vietnam**
- Inventory
- Regional Workshop in 2009 (with JPN, BCRC-SEA & BCRC China)
- Pilot collection

**Cambodia**
- Inventory/training workshops
- Regional Workshop in 2007 (with JPN & BCRC-SEA)
- Training for informal sector

**BCRC-SEA**
- TG on E-waste Inventory/3R
- DOWA Project - Collection of Used Mobile Phones (TH, MY, SG)
- Regional workshops
- Regional database

**Thailand**
- Inventory
- Training course

**India**
- Partnerships

**Sri Lanka**
- National Implementation Plan

**Malaysia**
- Inventory

**Vietnam**
- Inventory
- Regional Workshop in 2009 (with JPN, BCRC-SEA & BCRC China)
- Pilot collection

**Thailand**
- Inventory
- Training course

**BCRC-SEA**
- TG on E-waste Inventory/3R
- DOWA Project - Collection of Used Mobile Phones (TH, MY, SG)
- Regional workshops
- Regional database

**Indonesia**
- Preliminary Inventory

**Legend**
- Completed
- [in preparation]
- Ongoing

**Inception Workshop (Japan 2005)**

*COP10, Cartagena, Honda*
Inventory
- Data in 2011 (estimated in 2007) -

Weibull distribution: Continuous probability distribution
Regional Workshops 2007-2008

1. ESM on E-waste (Cambodia, 2007)

2. Prevention of Illegal TBM (China, 2008)
Regional Workshops 2009-2010

3. ESM Training (Vietnam, 2009)

4. Collection and Separation (Indonesia, 2010)
Regional Workshops 2011

5. Repair, Refurbishment, Reconditioning (Thailand, 2011)

6. Partnership (China, 2011)
Projects in Cambodia

Training Course on ESM of E-waste for local recyclers, Phnom Penh, 2010

Training course at a informal recycler, 2010

TV debate on E-waste at National TV, 2010
E-waste Treatment Facilities in Indonesia, Malaysia, Philippines, Thailand, Vietnam, and Japan

Vietnam
Some facilities (former state enterprises)

Malaysia
20 full recovery and 134 partial recovery facilities (licensed)

Singapore
6 facilities (licensed)

Indonesia
Some facilities

Thailand
30 formal recycling facilities

Philippines
20 facilities (licensed)

Japan
49 formal recycling facilities
Concept of ESM Standards in the Asia

ESM Level required at Each Stage

Resource Demand

- Recovery of rare-earth metals by state-of-the-arts recycling technologies
- Primary dismantling or separation of E-waste and partial recovery of metals
- Repair or refurbishment of EEE

Concept of ESM Standards

Operational Criteria for Facility
- Environment control measure under laws and regulations
- Occupational health and safety
- Identification of hazards and risks

Criteria for Staff’s Competency
- Awareness and capacity building
- Recruiting of experts

Managerial Criteria for Facility
- Licenses and certification
- Environment management system
- Emergency response plans
- Financial footing and instrument
- Downstream management

COP10, Cartagena, Honda
Asia E-waste Project

The Basel Convention Partnership on the Environmentally Sound Management of E-waste for Asia-Pacific Region

The Government of Japan in collaboration with the Secretariat of the Basel Convention (SBC) launched the Basel Convention Partnership on the Environmentally Sound Management of E-waste for Asia-Pacific Region at the Asia-Pacific Regional Inception Workshop on the Environmentally Sound Management of E-waste in Tokyo in November 2011. This programme focuses on enhancement of the capacity of Parties to manage E-waste in an environmentally sound way. The followings are the strategic objectives:

- Assessment of the current situation on E-waste;
- Prevention and minimization of E-waste;
- Introduction of the environmentally sound management of E-waste;
- Promotion of information and training for all sectors.

The following projects have been undertaken by the participating countries and organizations technically and financially supported by the Government of Japan.

<table>
<thead>
<tr>
<th>Country/Organization(s)</th>
<th>Activities</th>
<th>Status</th>
<th>Report</th>
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<tbody>
<tr>
<td>Japan, SBC</td>
<td>Asia-Pacific Regional Inception Workshop on the Environmentally Sound Management of Electronic and Electrical Wastes</td>
<td>Completed in 2005</td>
<td>123KB</td>
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