

Japan's Experience in E-waste Management

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Take-back of E-waste in Japan

Law for the Recycling of Specified Kinds of Home Appliances

Objective

Legally promotion of ESM of E-waste and efficient use of recyclable resources

Mechanism

Introduction of responsibilities to all stakeholders:

- End users: payment of recycling fee
- Retailers: collection of used home appliances
- Manufacturers: recycling of collected appliances

Targets

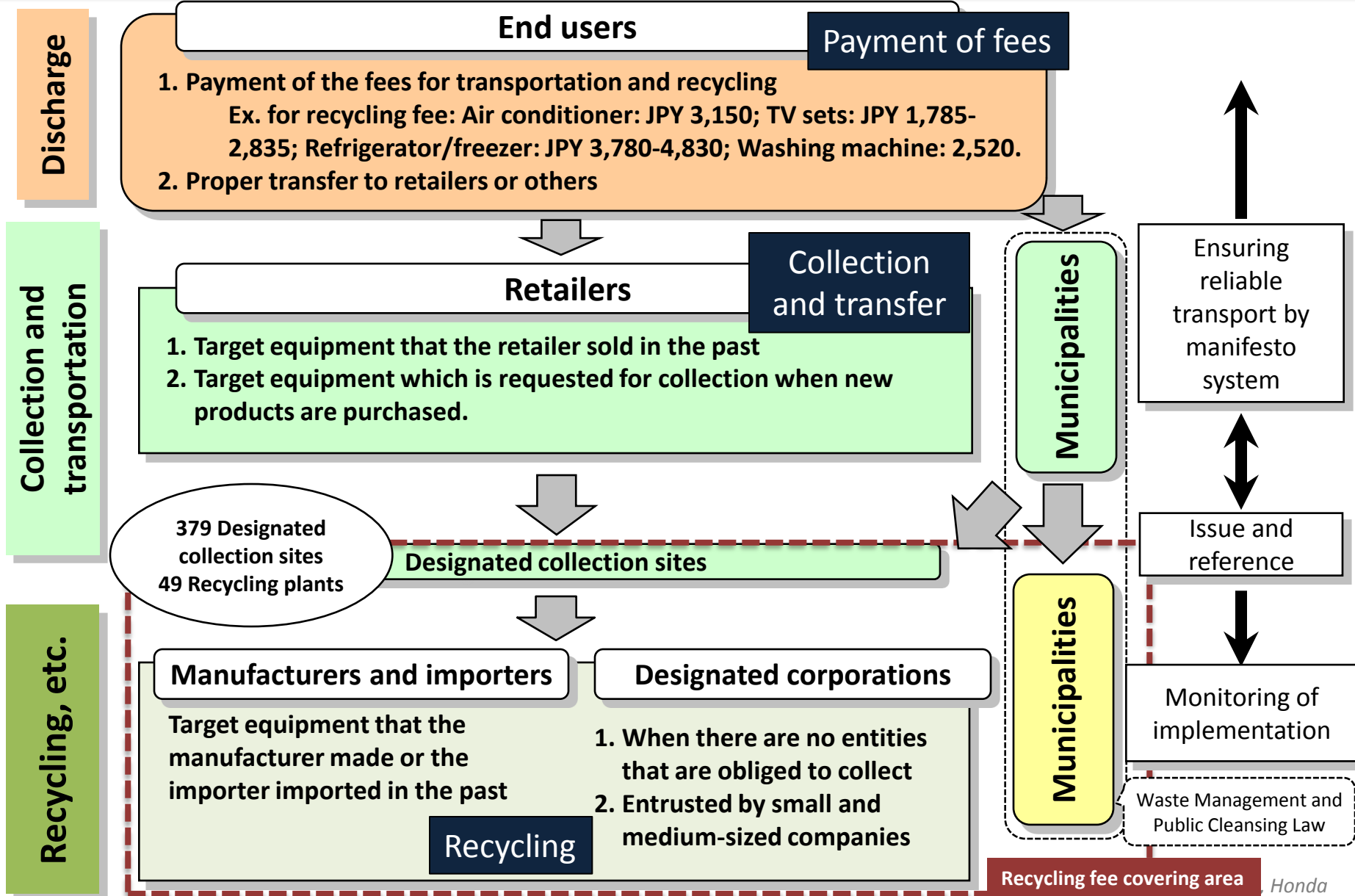
Air conditioners

Televisions (CRTs, LCD/PDP TVs)

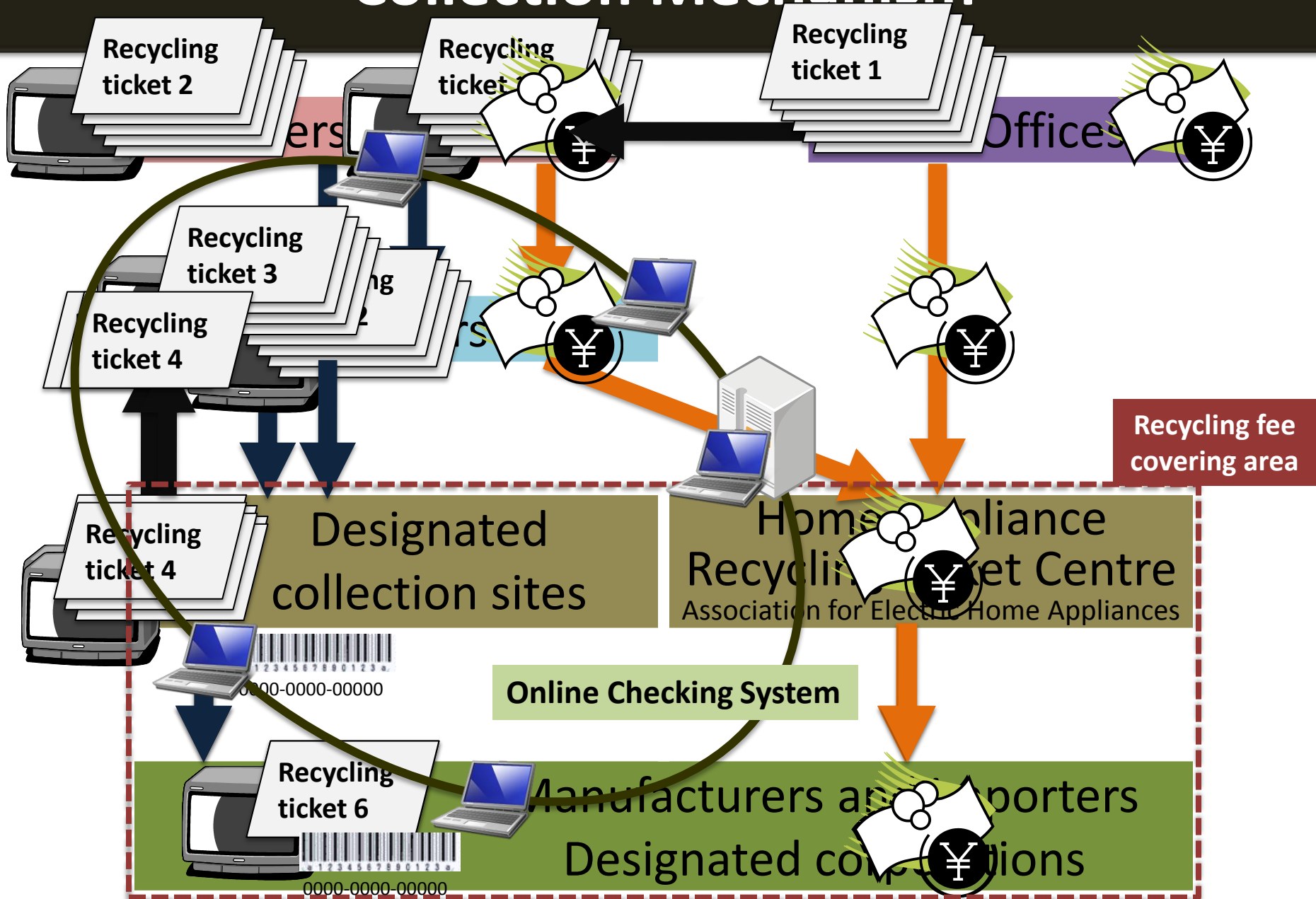
Refrigerators and freezers

Washing machines and clothes dryers

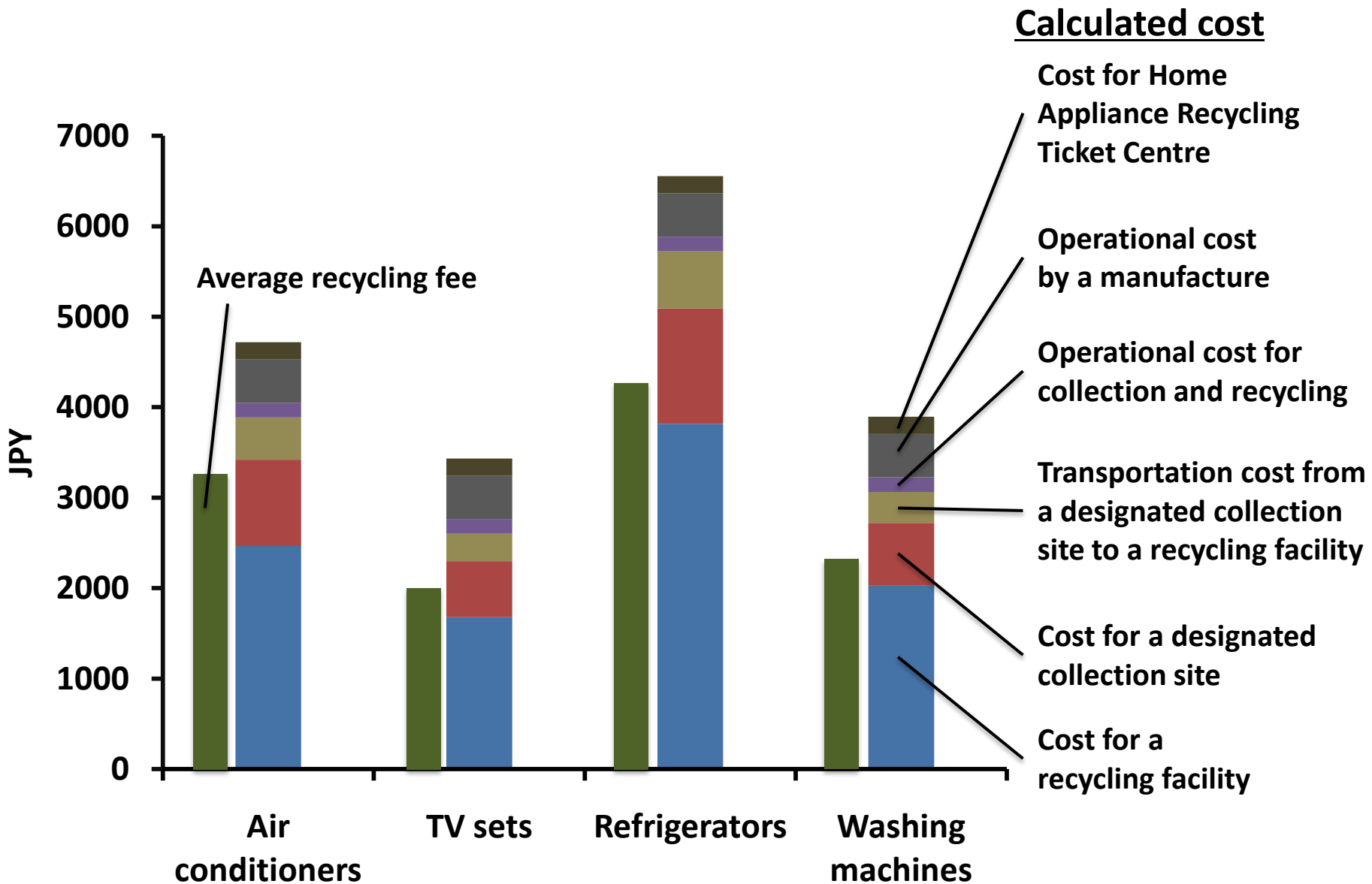
Overall Mechanism



Collection Mechanism



Cost Analysis



Steps toward Legal Framework for Small Appliances

Potential of other urban mining = Compact digital gadgets

No. of Items	218 million units (45 kinds)/1.4 million tonnes
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Potential value	Base/precious metals: JPY 30 billion Rare earth metals: JPY 5 billion
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**Available for recovering technology of base/precious metals;
but no legal framework for collection/recovering**



Subcommittee on Compact Digital Gadget Recycling, Central Environment Council

Priority Items	Mobile phones, Game players, Portable CD/MD players, Portable digital audio players, digital cameras, automobile navigation system, video cameras, DVD players
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Priority rare earth metals	Tungsten, Cobalt, Tantalum, Neodym
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Option of mechanism	Voluntarily mechanism, Utilization of current mechanism, Mandatory mechanism
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The Basel Convention Partnership on ESM of E-waste in the Asia Pacific Region

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

Strategic objectives

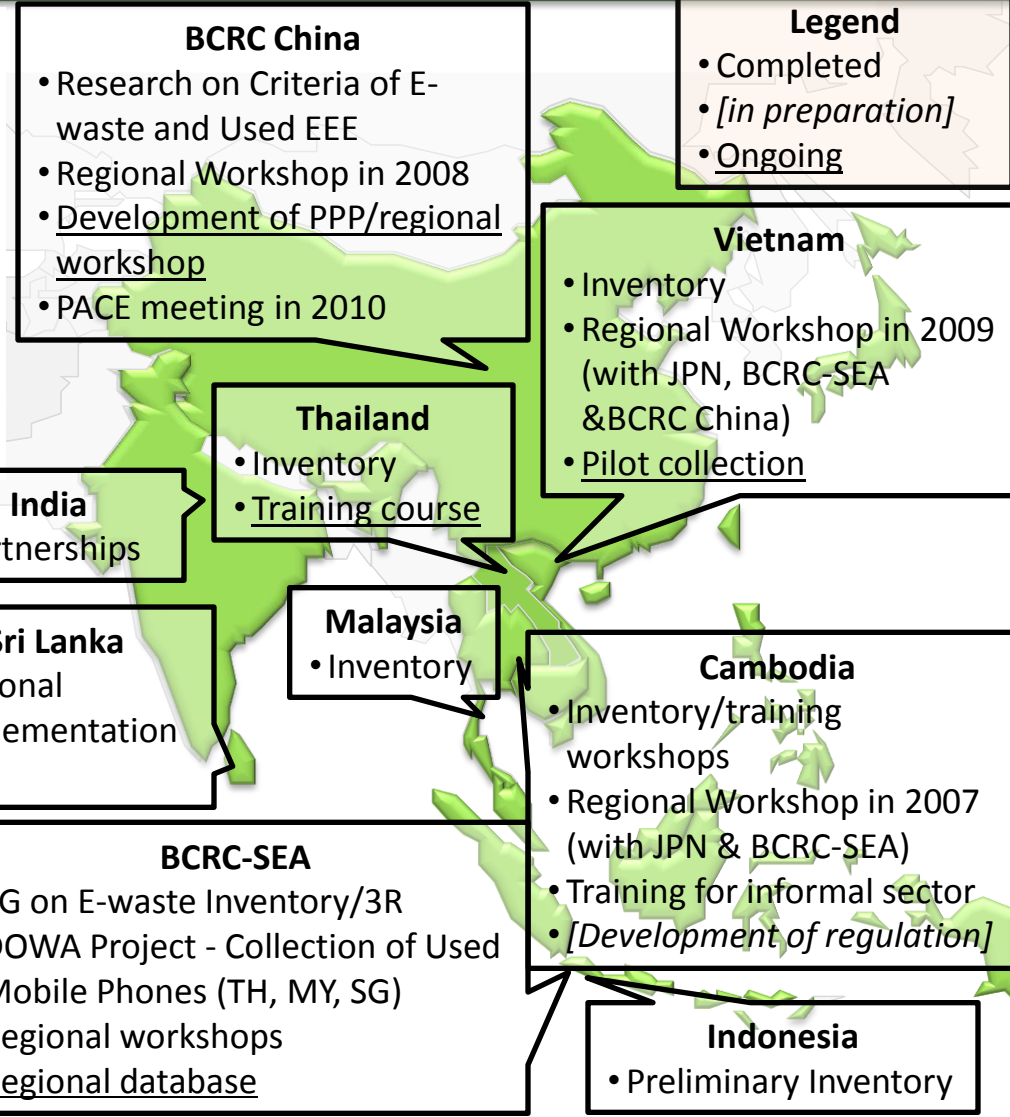
- Assessment of E-waste situation
- Prevention and minimization of E-waste
- Development of ESM for E-waste
- Capacity building and awareness-raising
- Promotion of information and training

Inception workshop in 2005

I	Inventory
II	Segregation & collection Repair, refurbishment & recycling
III	Training, awareness raising
IV	Development of national legal framework



ESM of E-waste incl. UEEE



www.env.go.jp/en/recycle/asian_net/Project_N_Research/Asia_E-waste_Project.html

Training Programme of ESM of E-waste at the Recyclable Waste Collecting Site in Cambodia

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



TV debate on E-waste at National TV, Jun 2010



Demonstration site in Phnom Penh



Regional Training Workshop on Repair, Refurbishment, Reconditioning of Used EEE and Recycling and Final Disposal of E-Wastes

Bangkok, Thailand

19 – 20 Apr 2011

- 1** ESM/experiences of repair, refurbishment, reconditioning of used EEE & final disposal of E-waste
- 2** Regional projects
- 3** Country presentations on E-waste project/activities
- 4** Site visit at Fuji Xerox Eco-Manufacturing Co Ltd



The Asian Network for Prevention of Illegal Transboundary Movement of Hazardous Wastes

The Asian Network for Prevention of Illegal Transboundary Movement of Hazardous Wastes

www.env.go.jp/en/recycle/asian_net/

Objectives

- Share of common understanding on the status of illegal TBM of hazardous wastes
- Exchange of national legal framework, statistical data, illegal cases, etc
- Annual workshop for CA/FP to the Basel Convention



2004	Tokyo	Update on Legal Framework	TOR of the Asian Network
2005	Tokyo		Trends of trading
2007	Beijing		Definition of waste/non-waste
2008	Tokyo		Criteria for new/secondhand/waste
2009	Kuala Lumpur		Asian situation in TBM of HW
2010	Yokohama		Frontline enforcement activities
2010	Siem Reap		Takeback issues/ESM standard

Workshop FY 2010 of the Asian Network for Prevention of Illegal Transboundary Movement of Hazardous Wastes

**Siem Reap,
Cambodia**

30 Nov – 2 Dec 2010

**back-to-back with
INECE SESN workshop**

Agenda

Update

Takeback

CLI/ESM

Future Asian NT

Discussions

- **Activities of the Basel Convention**
- **Takeback issues/Risk profiles**
- **CLI process and recommendation**
- **Identification of ESM standard/criteria**
- **Possible options**



SUPER COOLBIZ



28°C

- ① 自宅もオフィスも、室温28°C設定の徹底。
- ② 空気の循環や節電に扇風機の活用。

FASHION

- ③ スーパークールビズファッションで快適。
- ④ うらわや扇子で、ちよっとしれ暑さを涼く。

WORK STYLE

- ⑤ 勤務時間を調整にシフト。
- ⑥ 例年より夏休みを大幅に拡大。

OFFICE

- ⑦ ブラインドで夏の強い日差しをカット。
- ⑧ 緑のカーテンで、見ただ目にも涼しく。

IDEA

- ⑨ 体内から冷やしてくれる食べ物を摂取。
- ⑩ パソコンなどのスイッチオフ。

Thank you