

E-waste management in Japan Best Practices

Daniel Ternald - UNEP IETC February 23rd 2021



Basic Environment Law

Fundamental Law for Establishing a Sound **Material-Cycle Society**

Effective since Aug 1994

Jan 2001

<Appropriate treatment of waste>

Waste Management and **Public Cleansing Law**

<Promotion of recycling>

Law for Promotion of Effective **Utilization of Resources**

(Regulations according to the Characteristics of Respective Items)

Container and Packaging Recycling Law



Apr 2000

Small Home Appliances Recycling Law



Apr 2013

Home Appliances Recycling Law



Apr 2001

Construction Materials Recycling Law



Food Wastes Recycling Law



May 2001

End-of-life Vehicles Recycling Law



Jan 2005

Law on Promoting Green Purchasing





Objective	Legally promote 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

Act on Promotion of Recycling of Small Waste Electrical and Electronic Equipment - 2013



Objective	Extend the coverage of the home appliance recycling law to cover other electronics as well
Mechanism	Introduction of responsibilities to all stakeholders:
	 End users: Deliver the electronics to retailer or other collector
	 Retailers: Ensure consumers' proper processing of the electronics
	 Manufacturers: Reduce costs for recycling, use recycled materials
Targets	All household electronics except the four categories in the appliance recycling law.





Group A: Group B:

Panasonic Hitachi

Toshiba Mitsubishi

Corona Sony

JVC Sharp

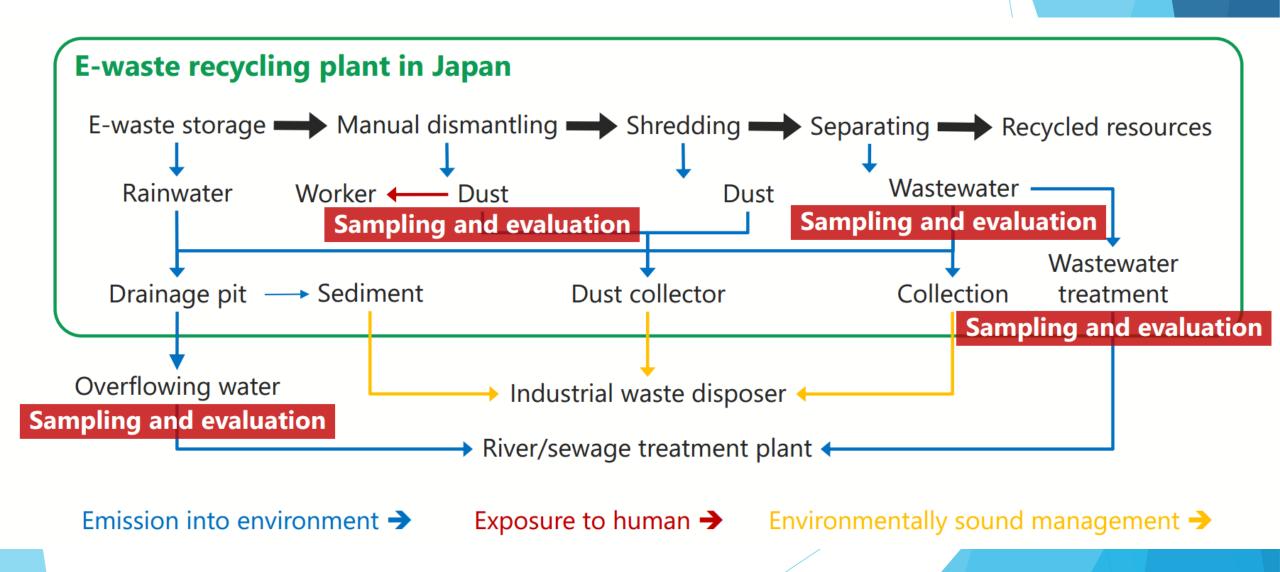
Daikin Mitsubishi Heavy Industries

Fujitsu General

Funai Chofu • Group A: 28 • Group B: 17 OOther: Total: 47



Flowchart of recycling plant in Japan





E-waste storage







Recycling processes







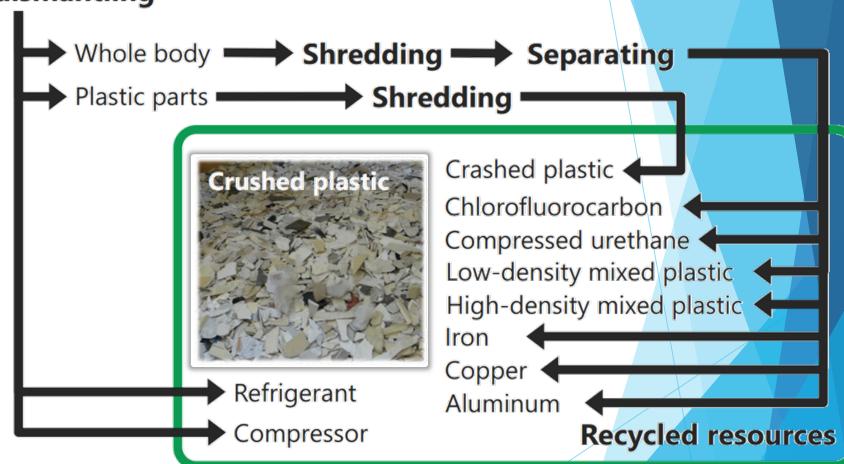






Fridge Manual dismantling







Tokyo 2020(?) Medal Project









Thank you

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