

Flow of the presentation

. Japanese recycling law of electric appliances

2. Result of the law:decrease of 4million units

Reason of decrease : exports

L. Criticism against exports

. Negative impacts from trade ban

Situation before introducing the recycling law

End users

Take-back

Local governments

- Wastes collected by local governments mainly went to landfills.
- ·Recycling was not adequate.

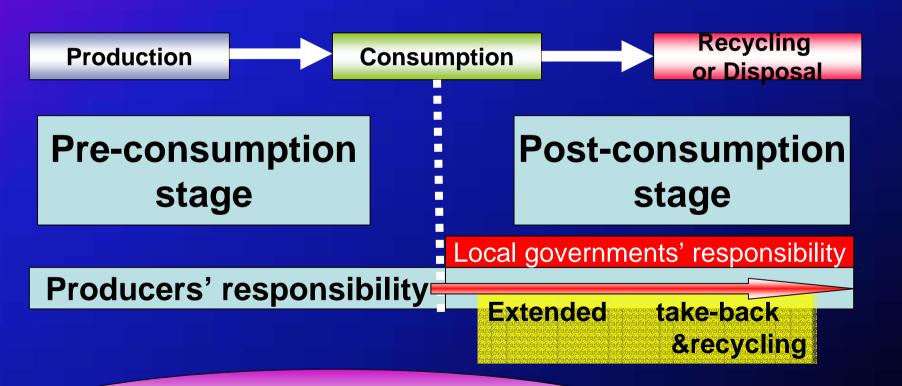
The cost of collection and treatment was covered by tax



Background of Electric Home Appliance Recycling Law

Efficient use of scarce exhaustion of landfills natural resources Recycling became very important!!

What is EPR? (Extended Producer Responsibility)



under EPR, take-back & recycling cost is paid by not government but producers

What is EPR?

(Extended Producer Responsibility)

So, recycling cost is · · ·

invisible visible

EPR has impact on

consumers' activity producers' activity

What is EPF

(Extended Pro

onsi ility)

Consumo

EPR promotes recycling!

Produc

er recycling

life

ger life products.

Why Electric Home Appliances?

Small percentages in the total weight of wastes

But, the importance of recycling arose ...

· usefulness as metal resources

(including many useful metals)

harmfulness of hazardous substances

(including mercury)

Contents of this law

This law came into force on 1st April, 2001



producers must recycle over these rates

Contents of this law flow of appliances

End Users

Take back

Retailers

Producers

Manufacturers Importers

Role of each actor

- End Users | 'proper hand over 'payment for gathering and/or recycling charges

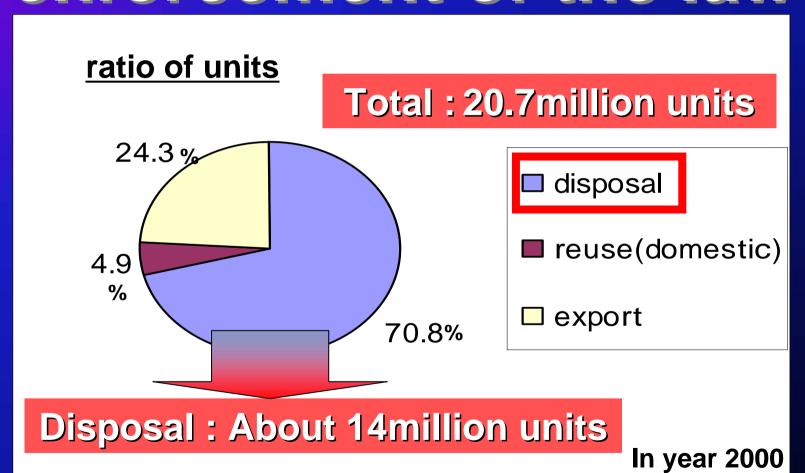
Retailers

proper hand over to producers

- **Manufacturers Importers**
- proper recycling

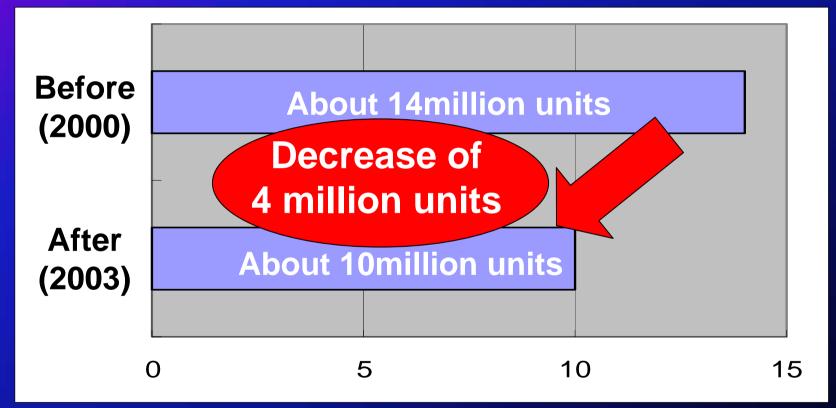
I will show you the effect of this law

Before the enforcement of the law



Source: Japanese ministry of economy, Trade and Industry (following METI)

Result of the law amount of collection



Why it decreased? exports seem to be the main reason.

The reason of the exports is...

Economic incentive!

Economic incentive

Recycling route





Reusing route



Recycling charge

Secondhand stores

By taking reusing route, consumers can get more profit.

Positive aspects of exports

exports

Decrease of potential disposal

Good point!

Wastes in Japan

Goods in foreign countries

Demand in foreign countries is bigger than that in Japan.



Increase of exports

Efficient use of scarce natural resources.



severe criticisms burst

Criticism against exports

Bad operations in some Asian countries



What kinds of operations are being exercised?

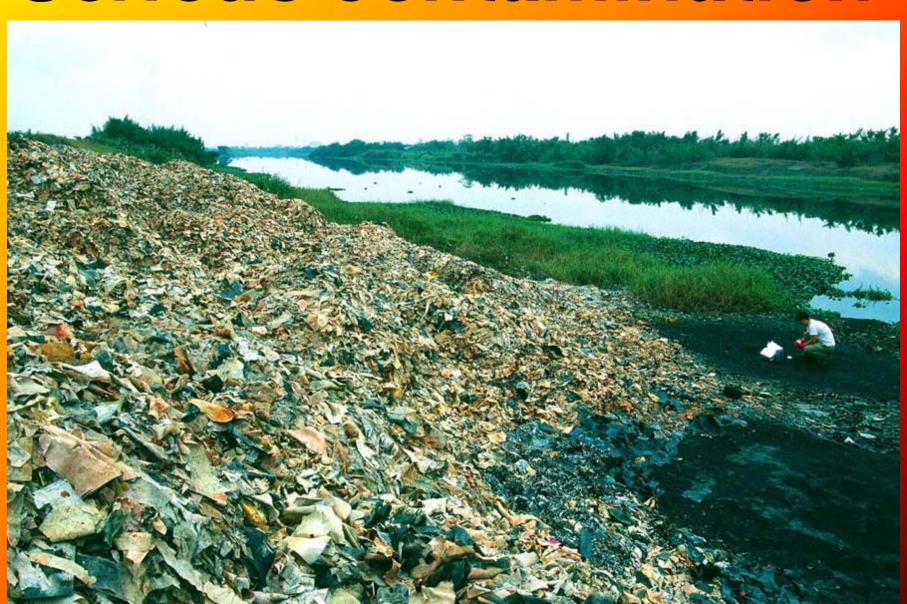
Insight from "Exporting Harm"



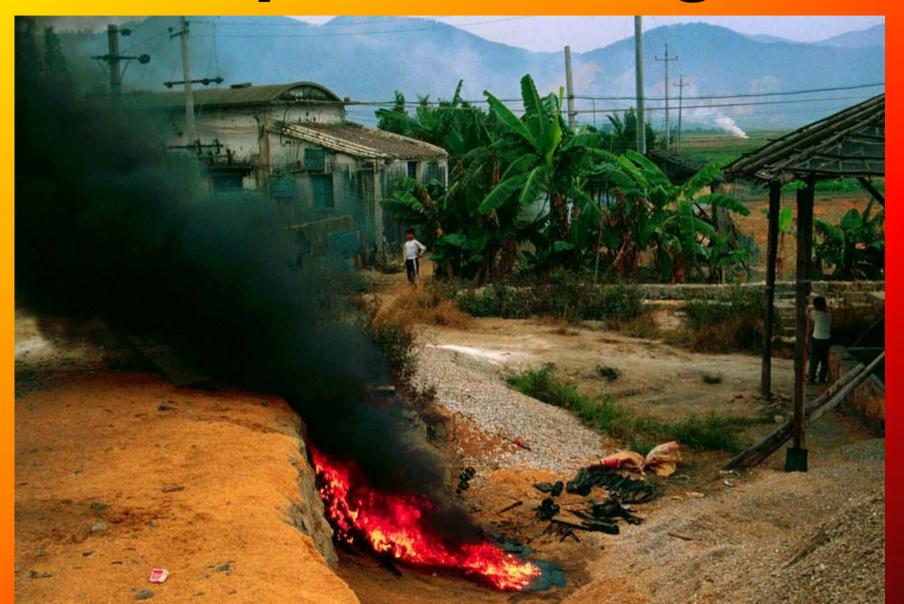
Chemical stripping operations



Serious contamination



Open burning



Tragic state of treatments

Terrible treatments



- Bad for { · Workers' health · Surrounding environmen

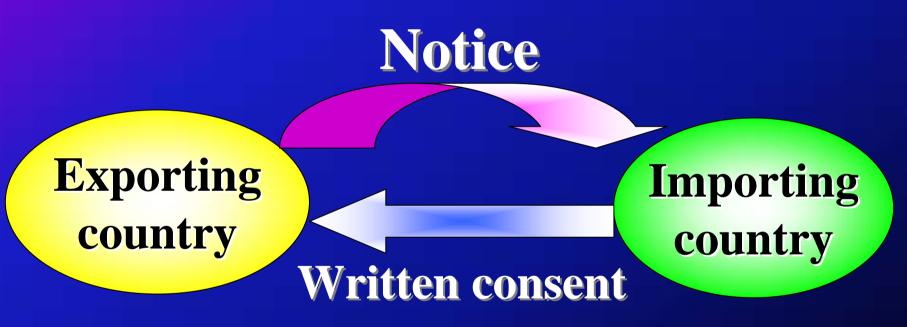
Actions for Import ban accelerated

in Asian countries

Bad treatments hamper positive aspects of export

Are there any international rules?

Basel Convention



Clarification of the **location** of hazardous wastes

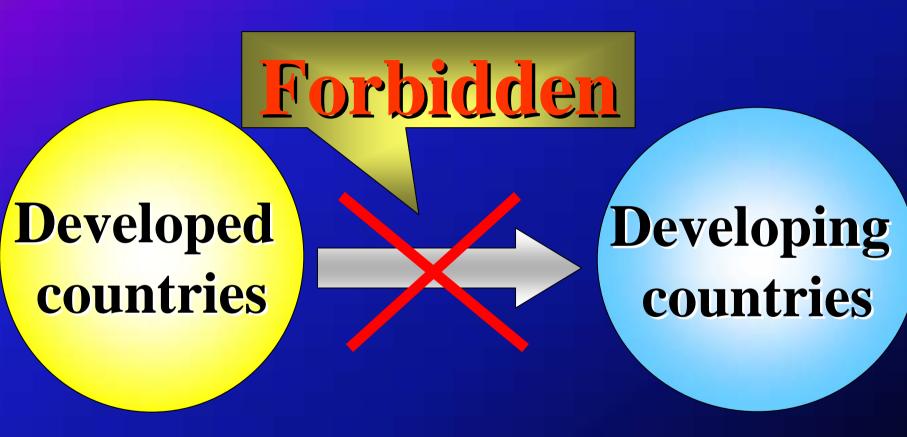
Basel Convention

just a control

justification of the export

Movement towards the total ban

Basel Ban Amendment



What are the consequences of the Export ban of recyclable materials?

- Negative exporting countries impacts for importing countries

In Exporting countries ~by the example of television~

Japanese television

made in factories abroad more than 99 %

CRTs consist about 70% of television in weight

Little demand for CRTs in Japan

o recycle CRTs, smooth shift toward producing countries are necessary

Negative spiral from the export ban Export ban Recycled materials wander about **Lowering the Disposal** rate of collection Rise of Lowering the Recycling charges Hamper the recycling rate scale merit Need more High quality of recycling is required costs

Negative effects in Importing countries

Import ban

Decreased supply of secondary materials

Soaring the price of secondary materials

Shift for the virgin materials occurs

Negative consequences

Trade prohibition of recyclable materials



How can we <u>avoid</u> negative consequences?

Asian domestic market

Developed countries Ex) Japan

E-waste

treatments in Asian countries

Bad impacts

This Is the Problem!

Before criticizing exports, we first have to consider

now to improve Bad treatments

Let us cooperate!

Thanx for listenin'



references

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