

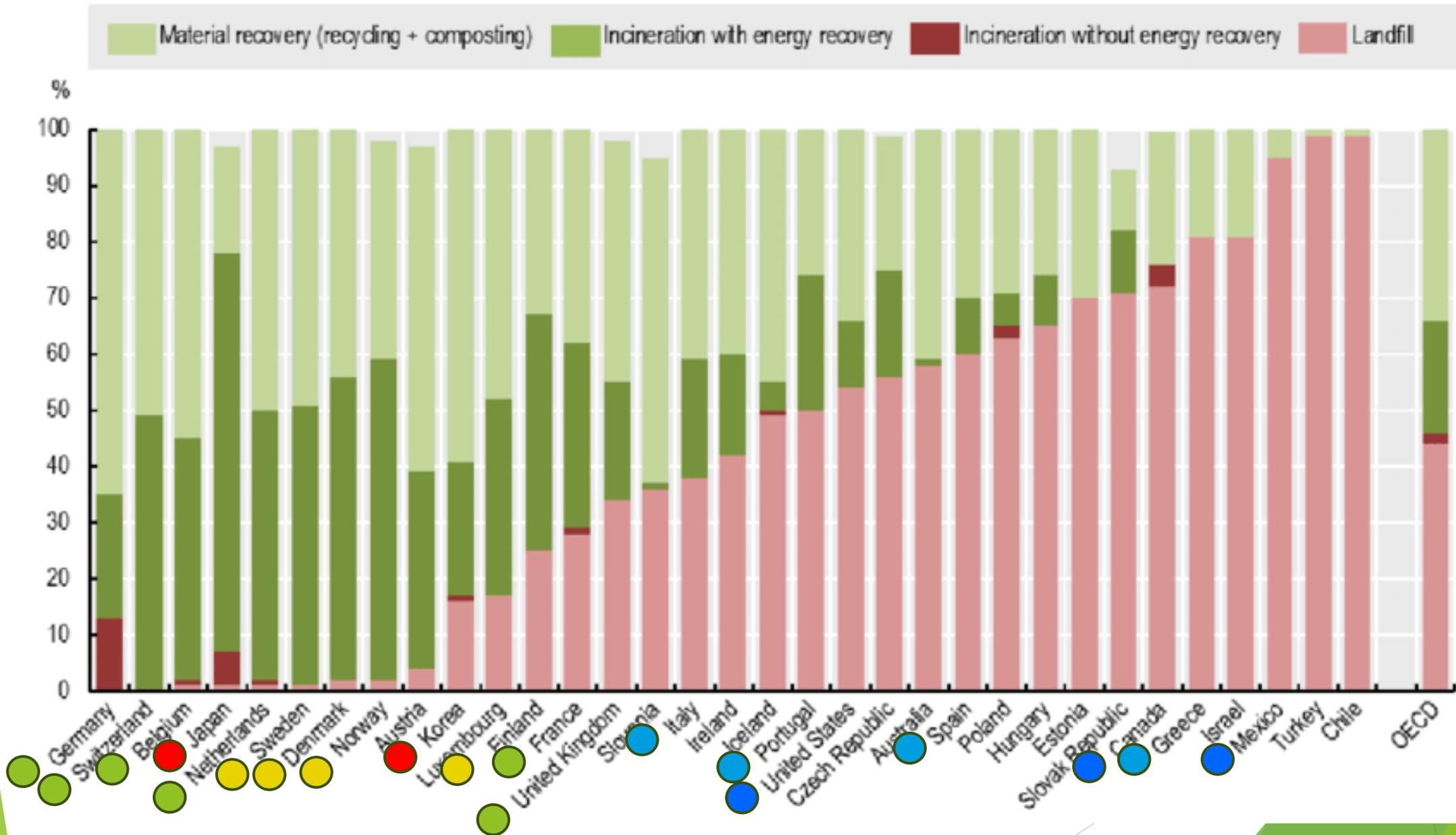
Philippine - Japan week

Jan 12, 2025

- **Plastic Waste recycling in Japan**
- **Examples of Packaging solutions**
From Japan Packaging Contest ,etc.
- **Tokyo Pack 2024/2026**

Japan Packaging Institute

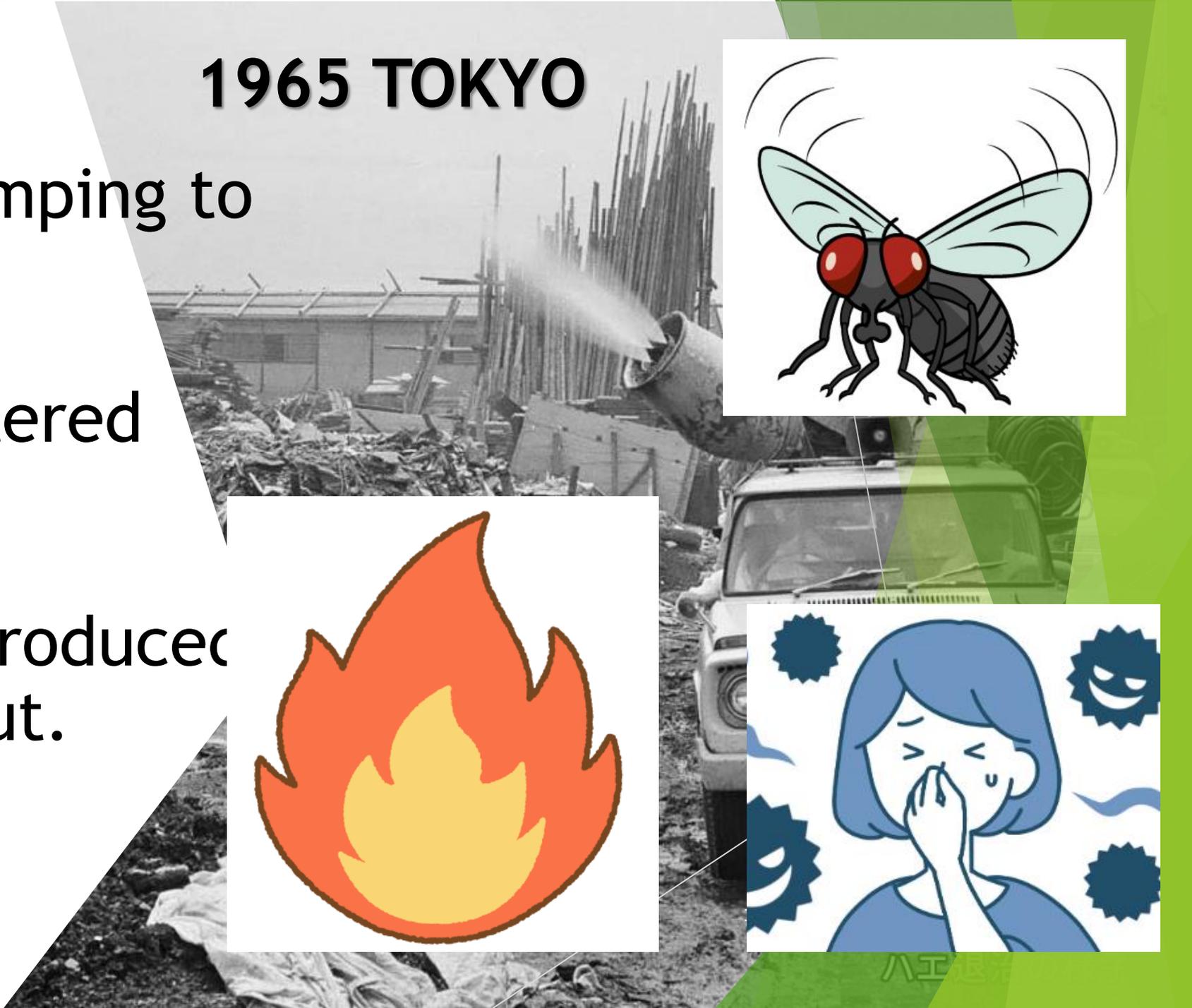
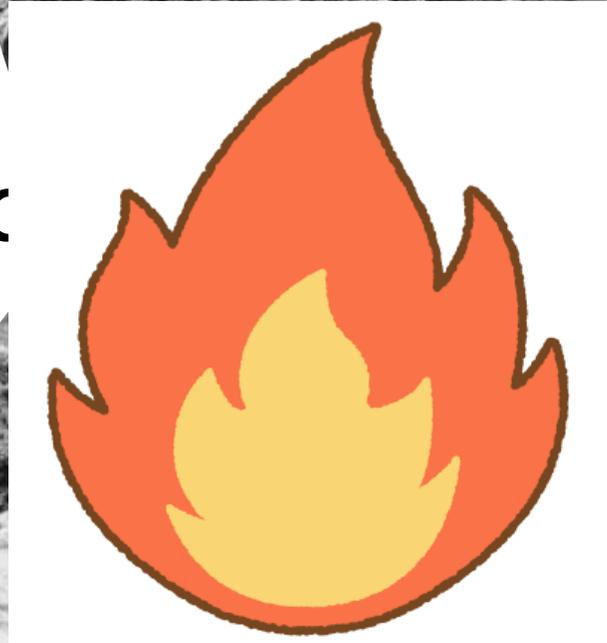
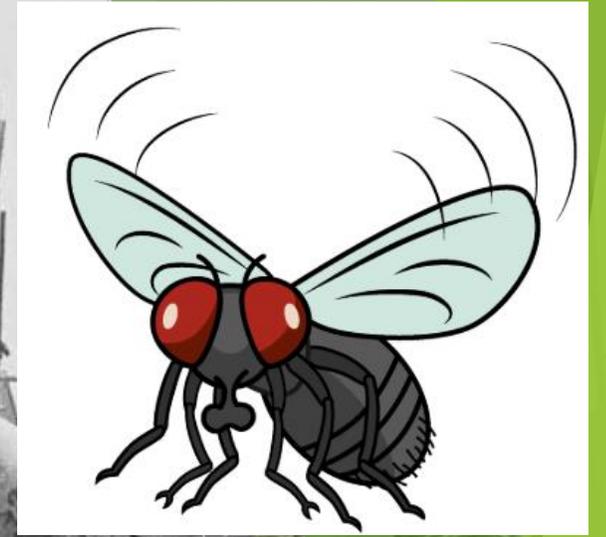
Akira Hirano



1965 TOKYO

All wastes was dumping to landfill.

Garbage was scattered everywhere, flies appeared, Bad smells were produced and fires broke out.





1971 Waste management and Public Cleaning Law

Consumer Responsibility

Sorting and Carry out



INCINERATE

- House garbage
- Paper waste
- Plastic waste etc.



Recyclable waste

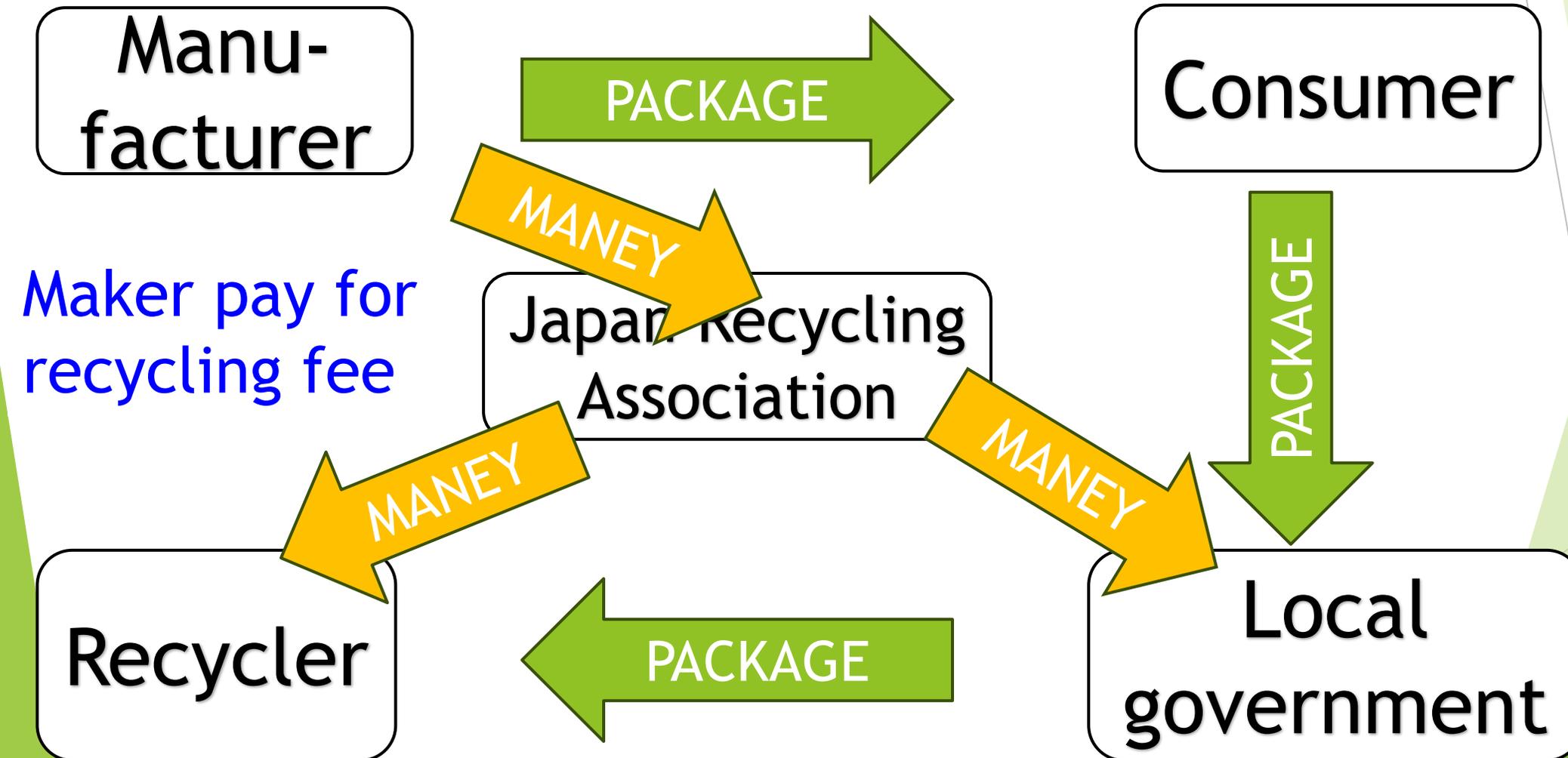
- News paper
- Glass bottle
- Metal can

Local Government Responsibility

Collection and Processing



1995 Containers and Packaging Recycling Laws



2021 RECYCLE OUTSOURCING FEE



Material	Unit price (PHP/kg)	Amount (million PHP)
Plastic	18.9	15,900
Paper	5.9	148
PET BOTTLE	1.7	592
GLASS	1.7	1,370

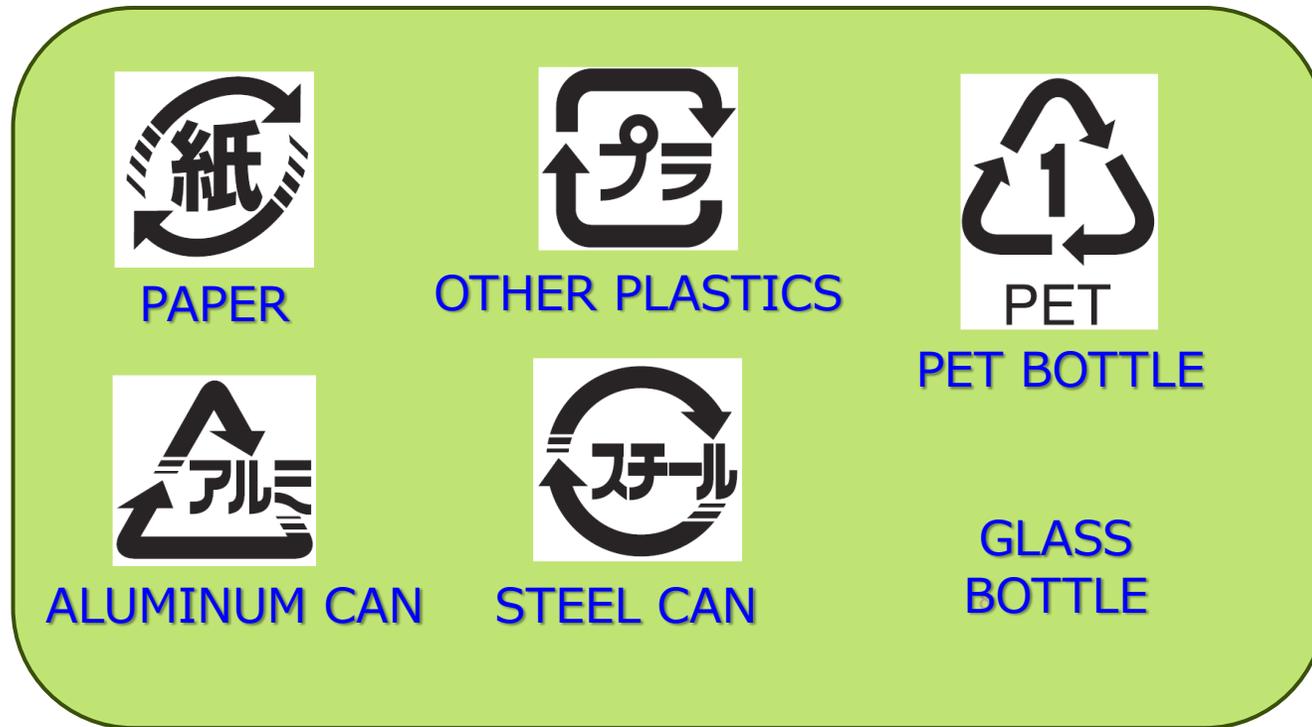
Recycling Rate



Material	Rate (%)	Source Year
PET Bottle	86.0	2023
Other Plastics	46.7	2023
Corrugated Cardboard	94.8	2022
Cardboard	79.5	2022
Paper Pack	38.7	2022
Steel Can	92.7	2022
Aluminum Can	93.9	2022
Glass Bottle	73.4	2023

Effective Utilization of Resources Laws

- ▶ Targeting packaging waste from households
- ▶ The packaging waste is grouped into 6 categories



PAPER
OTHER PLASTICS
PET
PET BOTTLE
ALUMINUM CAN
STEEL CAN
GLASS BOTTLE

Paid purchase



News Paper
Magazine
ダンボール
紙パック



1992 Guidelines for Voluntary PET BOTTLE Design



Cap Material is PE or PP
(Specific gravity less than 1)

Body Material is PET alone, and
colorless

Label : Easy to peel off by hand

PVC and aluminum and
Fully glued paper banned

Consumer Responsibility

WASH



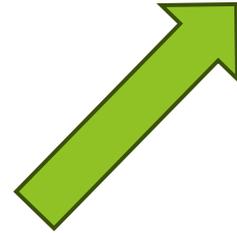
PEEL



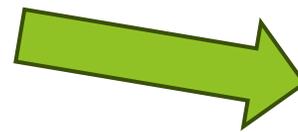
CRUSH



PET BOTTLE



**OTHER
PLASTICS**



<https://www.petbottle-rec.gr.jp/guideline/pdf/guidelines.pdf>

(1)Structure	overview
Weight reduction Simplification Extending the life of contents Use of easily reusable parts Single material Easy separation and sorting Easy collection and transportation Facilitating crushing and incineration	
(2)Materials	
Non-plastic Recycling easy material Recycled plastic and recycled materials Use of bioplastic	
(3)Product life cycle assessment	
(4)Information dissemination and system development	
(5)Collaboration with related parties	
(6)Standardization of design for each category	

Examples of Packaging solutions

From the Awarded in Japan Packaging Contest 2024



Paper packaging to
showcase fountain pen

This recyclable paper
packaging features a
special transparent
window.

From the Awarded in Japan Packaging Contest 2024



185g Lightest SOT Can
For Retort Coffee

13% reduction
in material usage

LID:2.4g

BODY:6.1g

Examples of Packaging solutions

Reuse

Unheated, unfiltered, cask-aged wine sold by weight



This is an initiative by major confectionery chain store.

Examples of Packaging solutions

Reduce and Recycle



The lightest bottle,
cap and label of
natural water

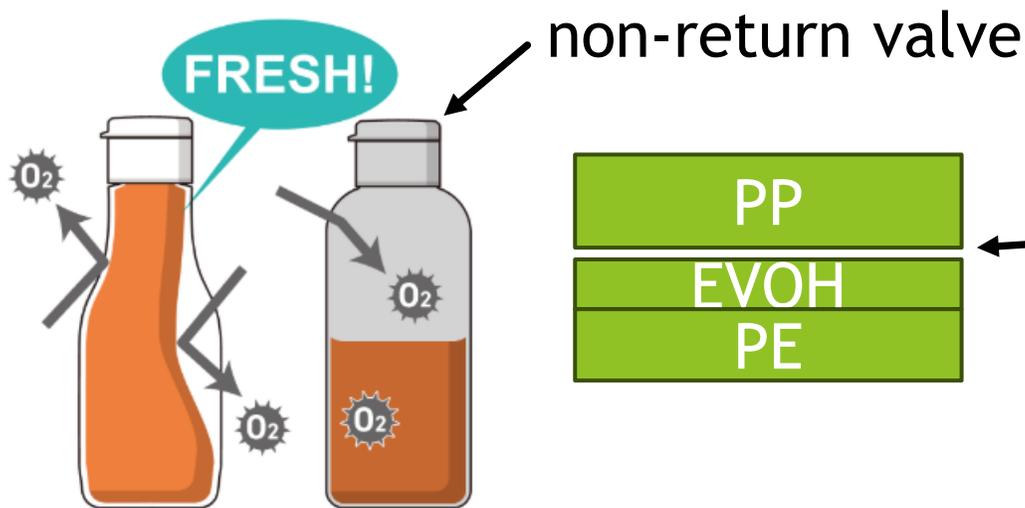
Recycle Pet 100%

Examples of Packaging solutions

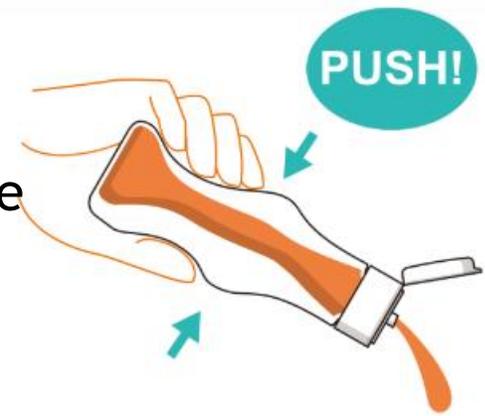
Freshness Preservation Technology



The peeling bottle, Liquid inside is not exposed to air. Delicious is maintained. And easy to pour.



Peeling surface



Freshness Preservation Technology



PET or PA
Oxygen Absorbing film
PE

Prevents spoilage caused by microorganisms

Oxygen Absorption Capacity

0.1 - 0.5ml/cm²

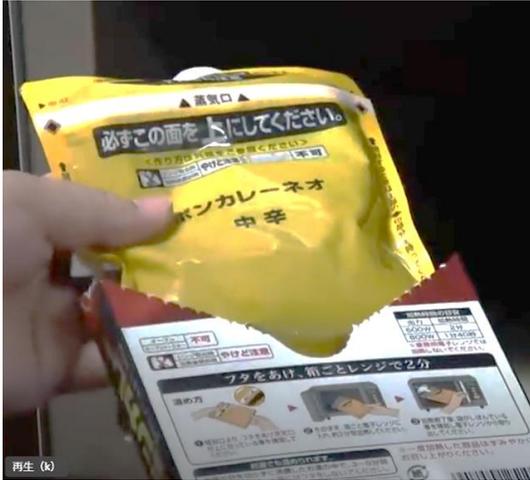
Time to 0% oxygen

2 - 5 days

Water Activity ≥ 0.85

Examples of Packaging solutions

Microwave-safe steam-removing retort pouch



Open the outer box along the perforations and fold it back.



Heat in the microwave for 100 seconds.



When it reaches 100°C, steam will escape through the steam vent.



Open by hand from the notch



A delicious curry is made in a short time and with low energy consumption.



Shelves of a major supermarket

Caned pineapple



「UNYO ひとくちカット バイナップル 425g」
 上記商品は、メーカーの製造が追いついていないため、2025年4月頃まで一時品薄・品切れとなる場合がございます。不便をお掛け致しますが、ご了承くださいませ。

「高品質・Everyday Low Price」
 固形量 272g。
 ドール バイナップルスライス 8枚(フィリピン産) 439g
 商談時使用売価 **335 (税別361) 本体
4.9割引 (会員現金払価格) **168**円 (税込 181.44円)
 (51.77円/100g) (66.71円/100g)
 非会員カード払価格 (レジ登録) 本体 **173**円 (税込 186.84円)

「ドール バイナップルスライス(フィリピン産) 10枚(567g)」
 上記商品は、原材料不足のため、2025年3月頃まで一時休売となります。代替品として、9月25日(水)から同じ中身の8枚入を販売いたします。ご不便をお掛けいたしますが、ご了承くださいませ。

【一時休売】10枚(567g) 固形量:357g
 商談時使用売価 **345 (税別372) **4.2割引**
 現金 199円 (214円)
 (51.8円/固形量100g)
 非会員カード払 **204 (税込220円)

【代替品】8枚(439g) 固形量:272g
 商談時使用売価 **335 (税別361) **4.9割引**
 現金 168円 (181円)
 (61.8円/固形量100g)
 非会員カード払 **173 (税込186円)

「高品質・Everyday Low Price」
 100%ジュース漬けのビン缶です。
 リリー バイナップルスライス100%ジュース漬 565g
 商談時使用売価 **300 (税別324) 本体
2.2割引 (会員現金払価格) **233**円 (税込 251.64円)
 (68.53円/100g) (74.01円/100g)
 非会員カード払価格 (レジ登録) 本体 **239**円 (税込 258.64円)

Shelves of a major supermarket

Caned natto de coco



Foods from Philippine



Foods from Thailand



October 23^{Wed} ▶ 25^{Fri}, 2024 "Tokyo Big Sight" East Hall

TOKYO PACK Inspires the Packaging World - A Gateway to Innovation -



	10/23	10/24	10/25	total
Number of visitors	68,812	74,649	77,840	221,301

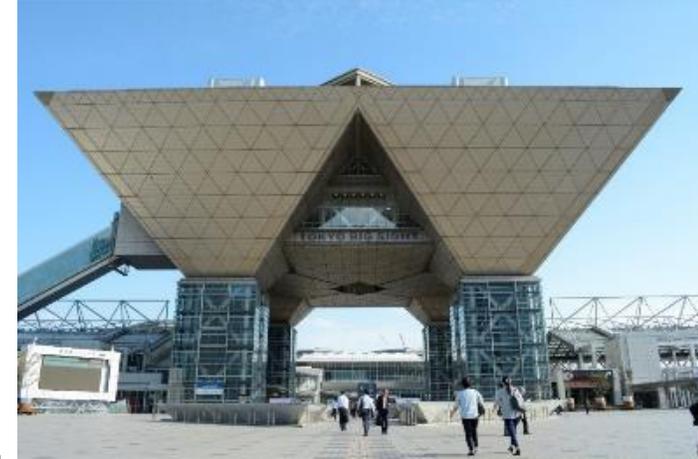
Number of exhibitors : 725

TOKYO PACK



What is TOKYO PACK ?

- TOKYO PACK is one of the world leading international packaging exhibitions.
- It covers all fields relating to the packaging
- It has been held 29 times, every second year, since 1966.



TOKYO PACK 2026
October 14, 15, 16
Tokyo Big Sight East Hall

**We warmly
welcome your
visit.**



Thank you

