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# Plastic waste and E-waste trade management in Japan

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Asian Network Workshop 2022

November 1<sup>st</sup>-3<sup>rd</sup>, 2022

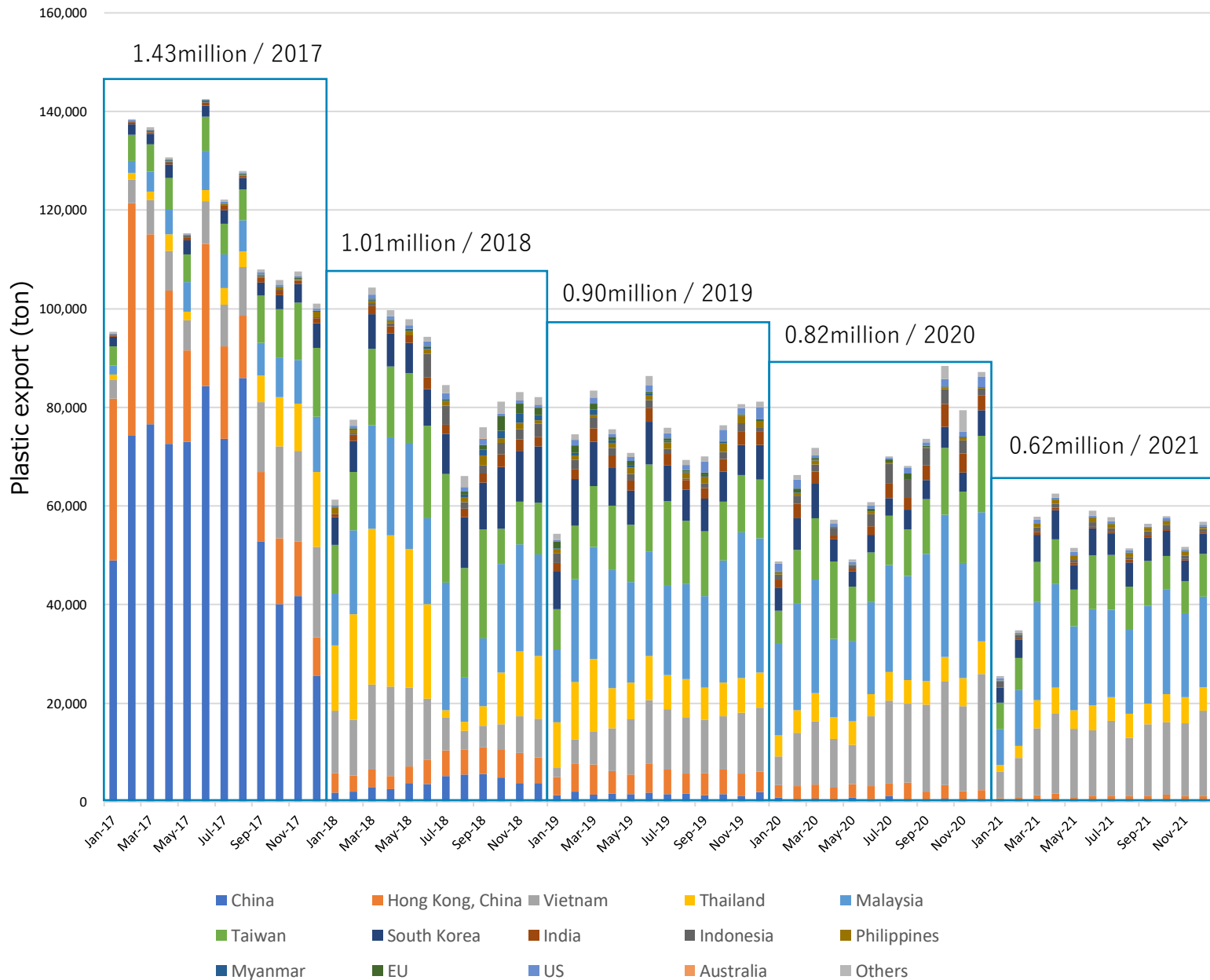
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Environment Regeneration and Resource Circulation Bureau,  
Ministry of the Environment Japan

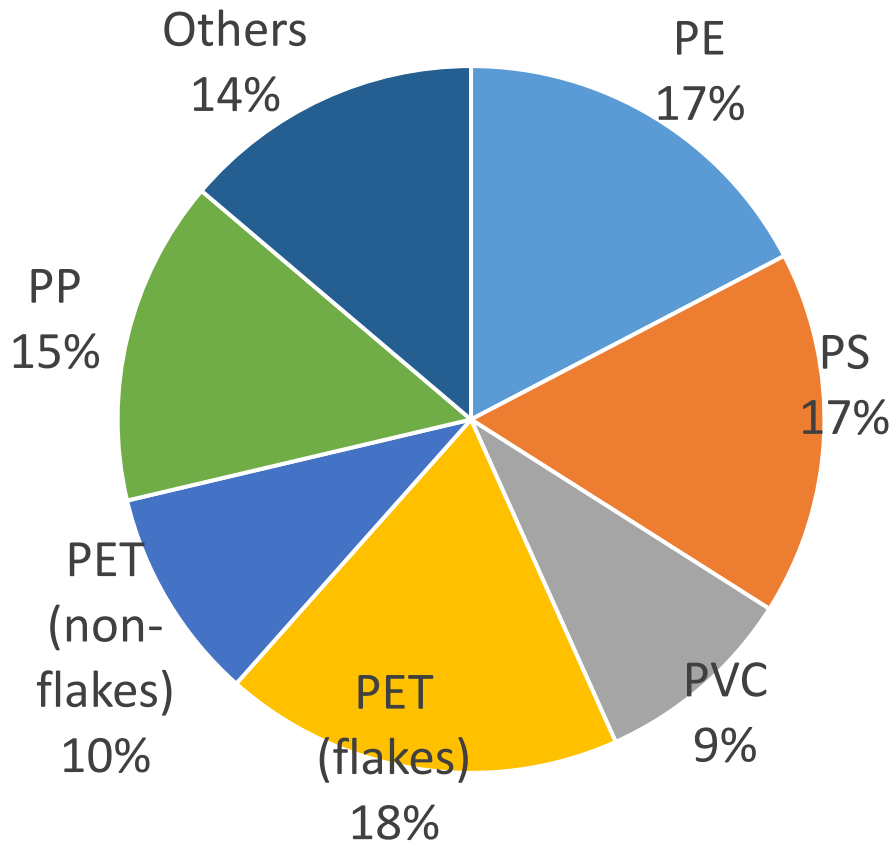


- 1. Plastic export trends in Japan**
- 2. Criteria identifying Basel plastics**
- 3. Plastic Resource Circulation Act**
- 4. Controlled E-waste under Basel Act**

# Export of plastic scrap (HS3915) in 2017-2020

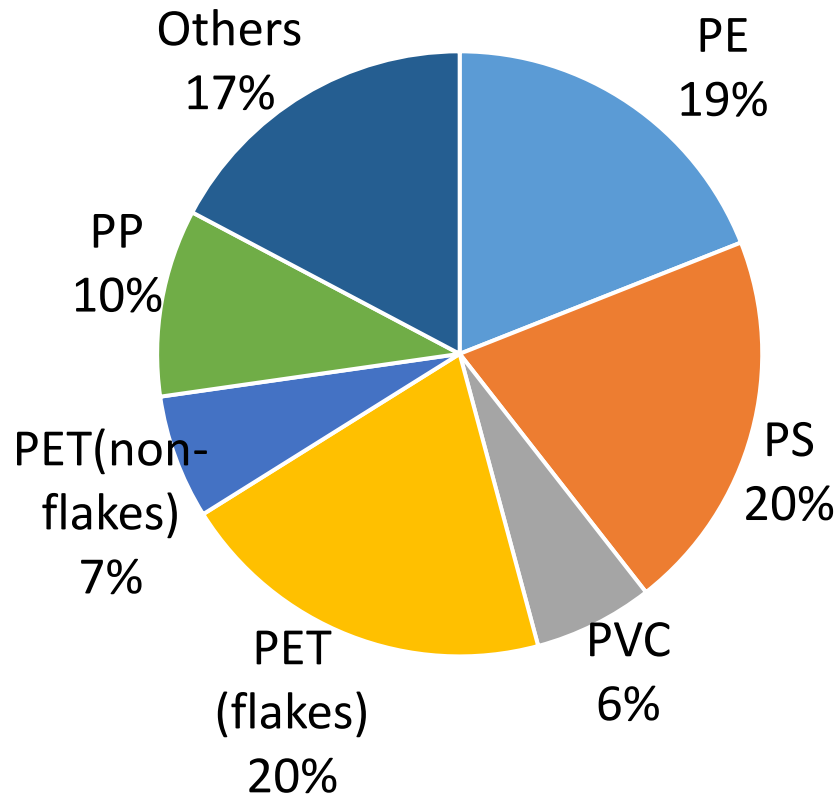


<Exported in 2020>

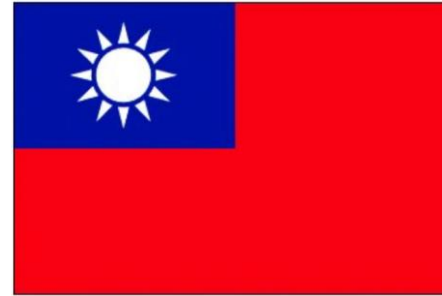


0.82million

<Exported in 2021>



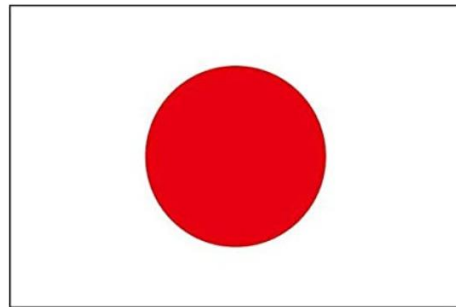
0.62million



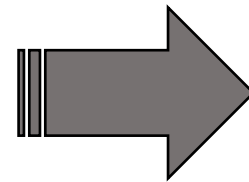
Taiwan



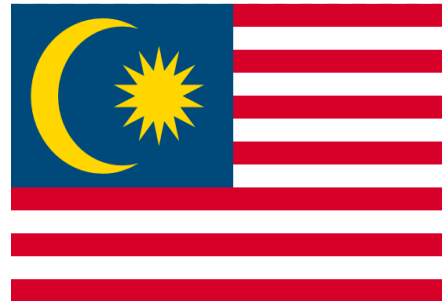
India



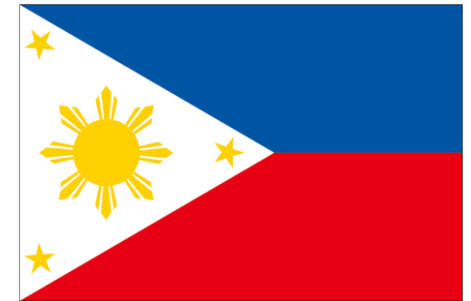
Japan



PIC Procedure



Malaysia



Philippines



Italy



Vietnam

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- Plastic waste that fulfills all criteria A to D below becomes out of the scope of the control and therefore fell into category of B3011.
- Criteria A, B and C are elements deemed necessary when literally interpreting “almost free from contamination and other types of wastes” under new Annex of the Basel Convention.
- Criterion D is developed since plastic wastes which are processed or arranged for recycling are less likely to cause the environmental pollution in importing countries .

### Criteria to be exempted from the Basel Act

A	Free from contamination such as food and drink, dirt, oils and others
B	Not mixed with substances other than plastic
C	Consisting of a single type of plastic resin
D	Processed or arranged for recycling

## Not controlled(B3011)

① Pelletized plastic



② Transparent or single colored plastic flakes or fluff



③ Plastic wastes in the form of sheets, rolls, or bales that were discharged as a byproduct from the manufacturing process



④ Polystyrene foam (PS) in the form of ingots





- Following shows the scope of the control on industrial wastes and used electrical and electronic equipment or E-waste.

**Not controlled(B3011)**



**Controlled(Y48)**



**Plastic wastes as industrial wastes**



**Plastic wastes derived from used electrical and electronic equipment or E-waste**



- The following examples show the scope the control on PET bottle wastes.
- Waste that are shredded and in the form of flakes which has undergone a sorting process are exempted from the scope of the control.

**Not controlled  
(B3011)**



**Controlled  
(Y48)**



PVC cable (shredded)



**Controlled (Y48)**

Plastic blending different type of polymers, so-called "polymer-alloy"



**Not controlled (B3011)**

Clean plastic waste coated by dirty packaging



**Controlled (Y48)**

Electronic board with plastic covered wire etc.



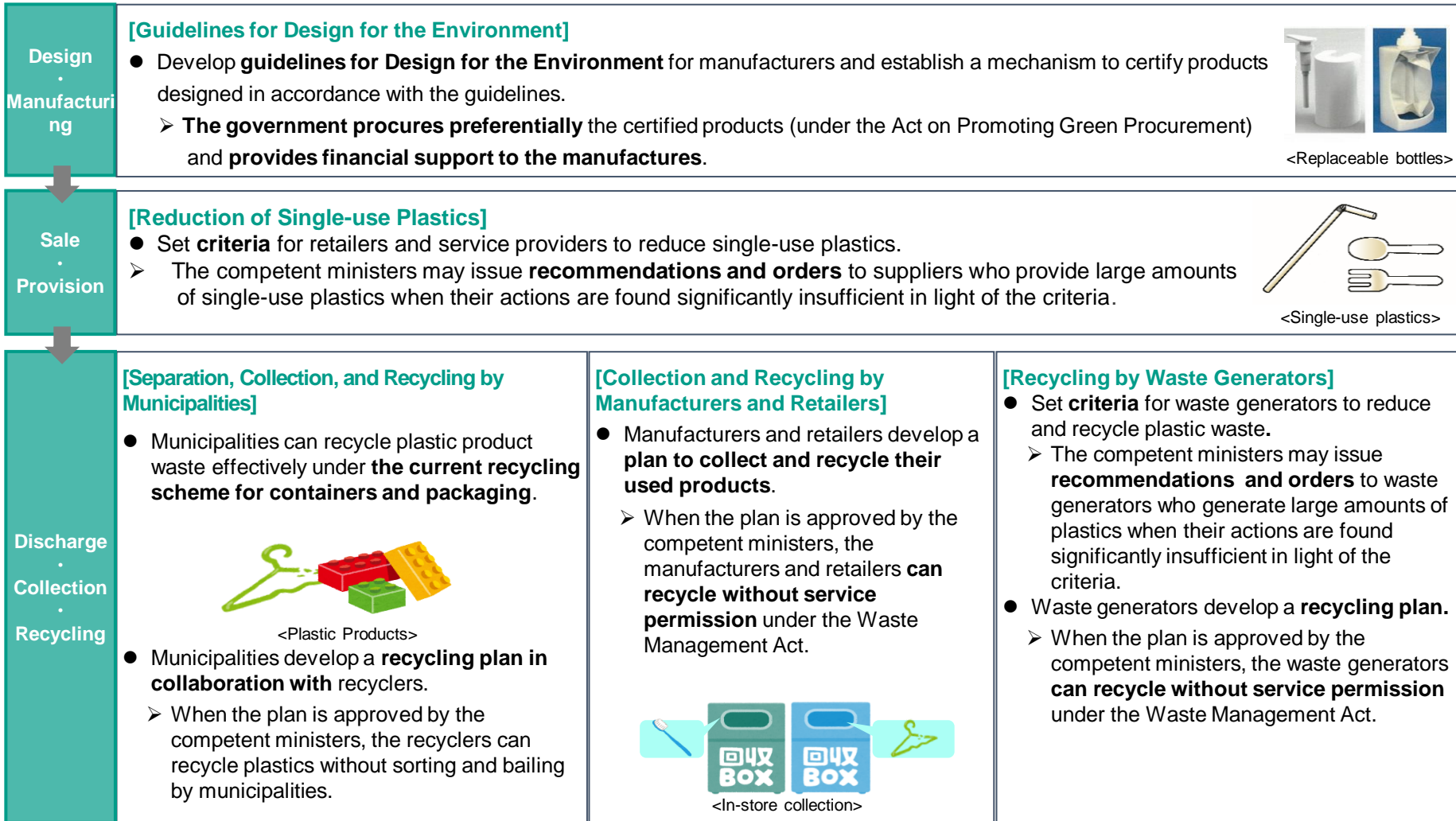
**Controlled (A1180)**

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# The Plastic Resource Circulation Act (2022. 4. 1~)



- In response to marine plastic pollution, climate change, and foreign waste import regulations, domestic **circulation of plastic resources** is increasingly important.
- Since plastics are used in many varieties of products, **circulation system for plastics** needs to be **enhanced comprehensively**.



Transition to circular economy through advancing circulation of resources

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4. **Controlled E-waste under Basel Act**

1. Unit type air conditioners
2. Television receivers including Cathode-ray tube type and Liquid crystal display type and plasma type
3. Electric refrigerators and electric freezers
4. Electric washing machines and clothes dryers
5. Telephones, facsimile machines, and other wired communication machinery and appliances
6. Mobile telephone terminals, PHS terminals and other radio communication machinery and appliances
7. Radio receivers and television communication equipment
8. Digital cameras, DVD recorders and other video equipment
9. Digital audio players, stereo sets and other electro-acoustic machinery and apparatus
10. Personal computers
11. Magnetic disk drives, optical disk drives and other storage devices
12. Printers and other printing apparatus
13. Displays and other display devices
14. Electronic book terminals
15. Electric sewing machines
16. Electric grinders, electric drills and other power tools
17. Electronic desktop calculators and other electrical machinery and appliances for office use
18. Health meters and other electrical machinery and appliances for measuring or measuring purposes

19. Electric inhalers and other electromechanical appliances for medical use
20. Film cameras
21. Rice cookers, microwave ovens and other electrical machinery and kitchen appliances
22. Electric fans, electric dehumidifiers and other electric machinery and appliances for air-conditioning
23. Electric irons, electric vacuum cleaners and other electric machinery and appliances for clothing or sanitary use
24. Electric heater, and other electric machinery and appliances for keeping warm
25. Hair dryers, electric razors, and other electric machinery and appliances for hairdressing
26. Electric massagers
27. Running machines and other electric machinery and appliances for exercise
28. Electric lawn mowers and other electric machinery and appliances for gardening
29. Fluorescent lamps and other electric lighting fixtures
30. Electronic clocks and electric watches
31. Electronic and electric musical instruments
32. Game machines and other electronic and motorized toys
33. Water heaters
34. Power distribution boards
35. Uninterruptible power supplies (UPS)
36. Cooling compressors (black motors) containing mineral oil



