



# International Cooperation For Sustainable CLEAN CITY

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# Tokyo Metropolis



Hills and Mountains



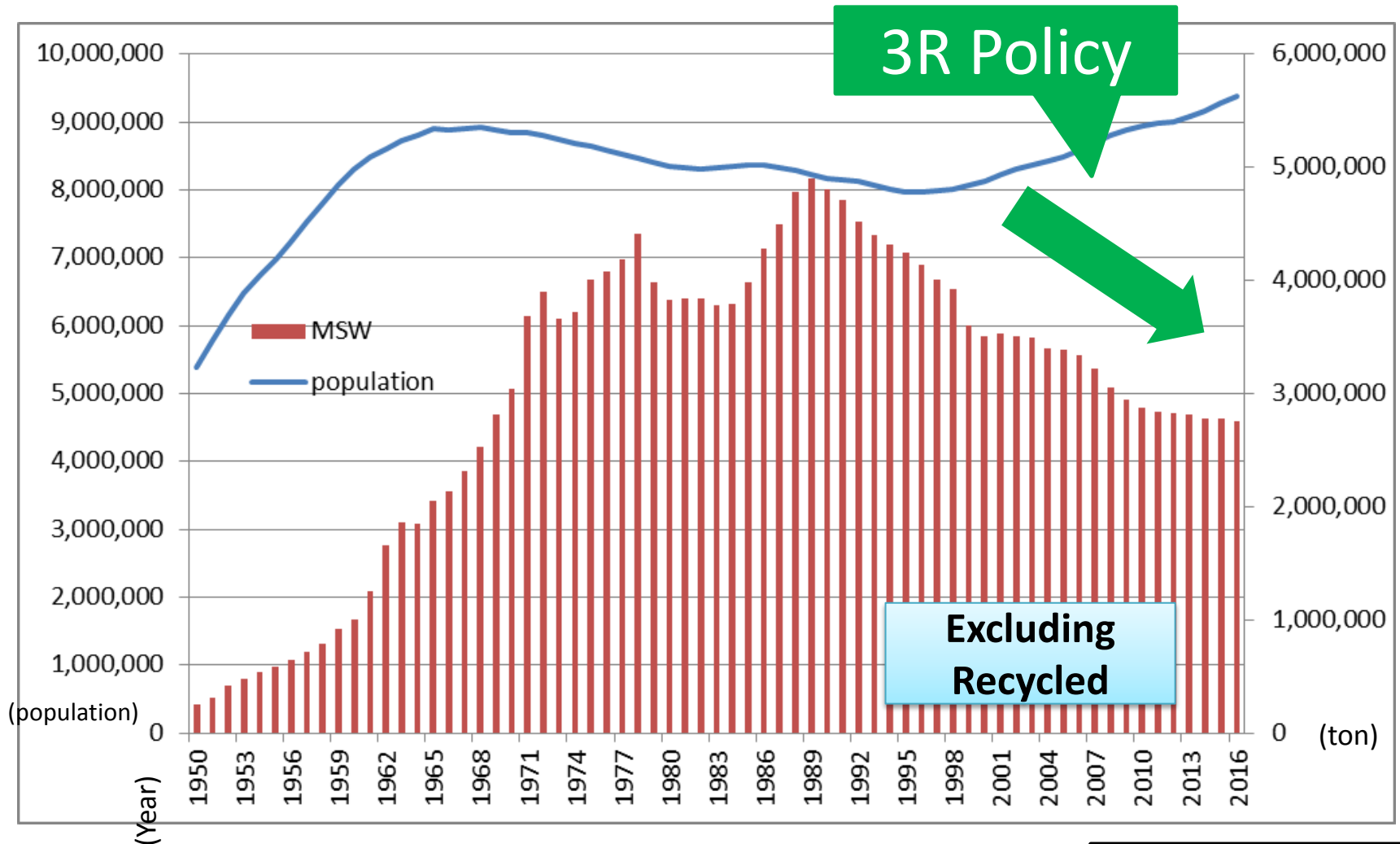
Megalopolis



Subtropical Islands

# Rapid increase of Population and MSW

## We have operated 3R policy for it.



in 23-city area in Tokyo

# Division of Roles in Waste Management

in 23-city area

## Municipal Solid Waste Management

### 23 cities in Tokyo

- Collection and transporting
- Licensing municipal waste haulers.

### Clean Authority of Tokyo, 23 cities

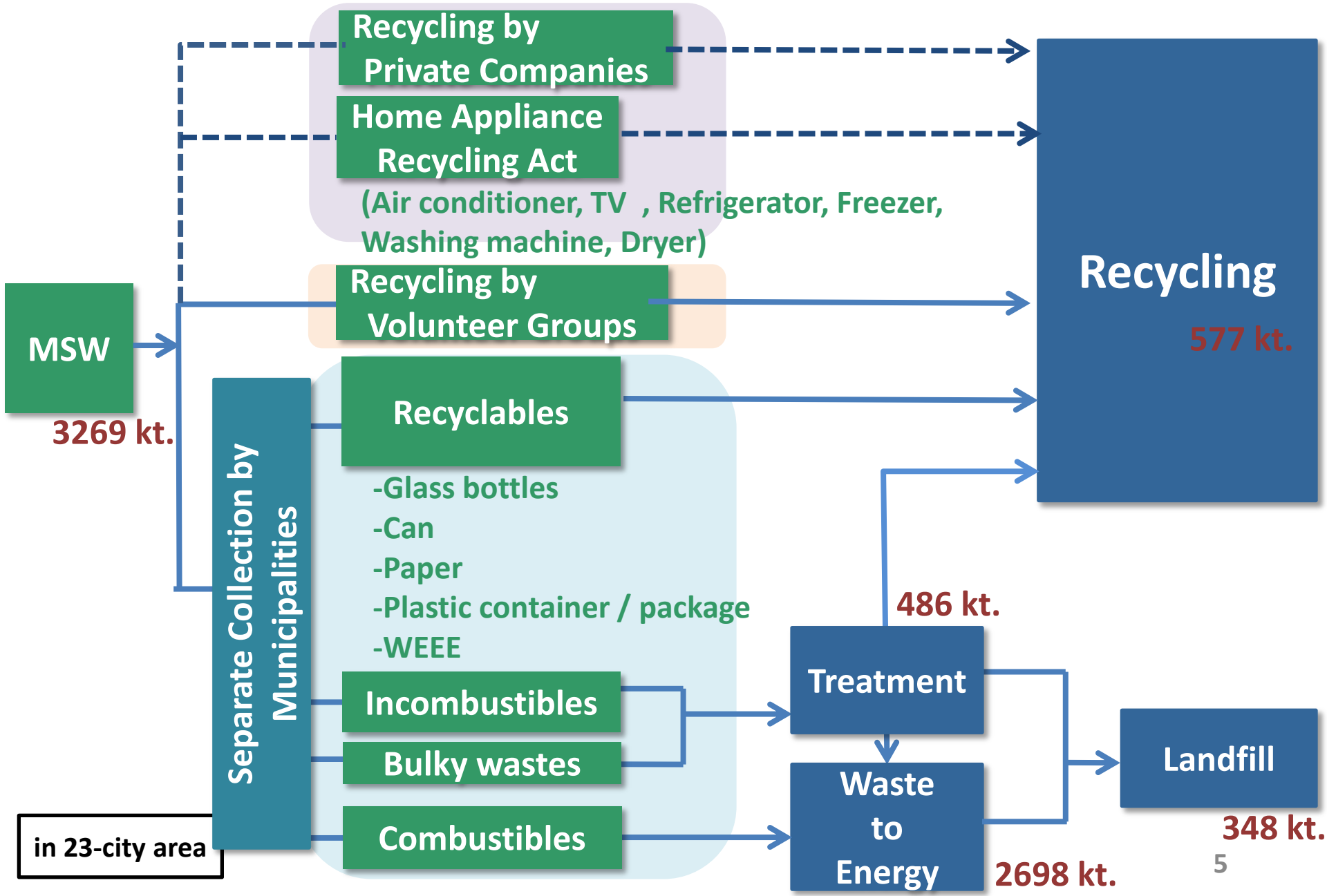
- Intermediate treatment

## Industrial Waste Management

### TMG

- Landfill
- Licensing industrial waste disposal companies and approve construction of waste management facilities.

# Recycling & Energy Recovery - MSW Flow



# Source Separation by Residents



“how to sort” board

Glass bottle

Can

PET

← Recyclables and garbage collection point

Plastic containers / packages



Voluntary Recycling activities

# Waste Management Facilities in Tokyo

Highly efficient Waste-to-Energy



← Incineration plant  
in Sugunami city

Minimizing the amount of landfill

Landfill In Tokyo Bay →



# MOTTAINAI !!

Tokyo is consuming a large amount of resources

TMG promotes

## Saving Food

**Food waste in Japan** is approx. **6MMt/y** nationally and approx.

**300,000t/y in Tokyo**, despite few food manufacturers in the city

- Disposal volume of storage food for disaster is expected to increase, as they are replaced before the expire date.



Work together with businesses, NGOs/NPOs, and other groups to promote initiatives to have food consumed effectively in homes and stores before it spoils.

## Saving Materials

**Change in lifestyle based on single-use materials**



- Promoting reusable cups/dishes in big events in Tokyo
- Reducing using single-use plastic bags

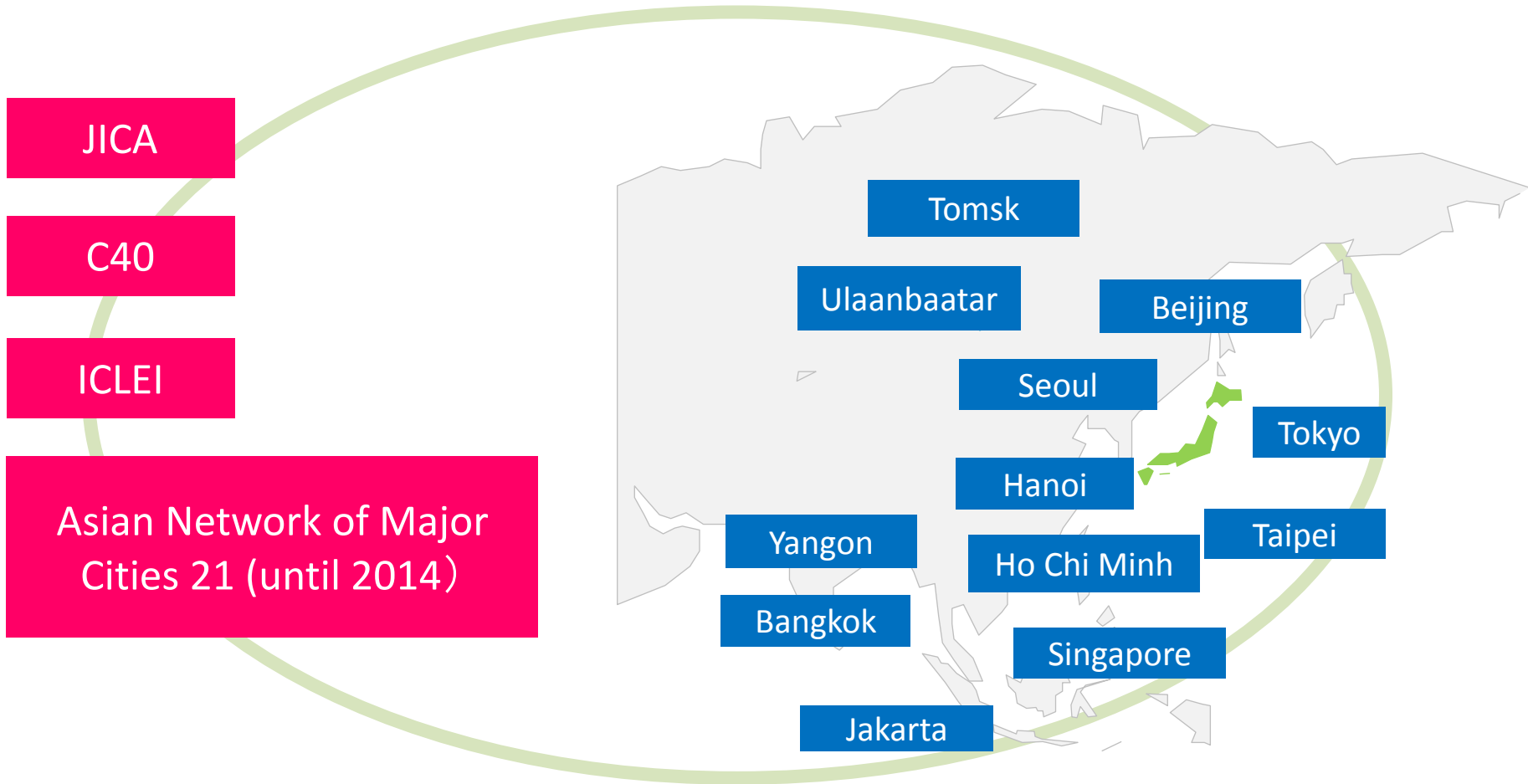


# International Cooperation for Sustainable CLEAN CITY



Mr. Liebman, deputy commissioner, Department of Sanitation NY, visited to advise the waste management in Japan. (1960)

# International Cooperation



and many other cities

# International Cooperation



Yangon and Tokyo, 2017



Tomsk and Tokyo, 2017



Taipei and Tokyo, 2018

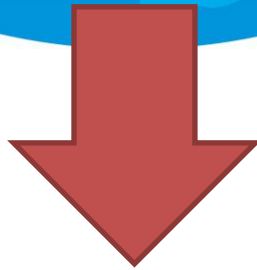


Bangkok and Tokyo, 2017

We keep exchanging ideas and sharing experiences with many cities.



**MOTTAINAI Partnership  
between Cities**



will achieve

**the SDGs**

Thank you!