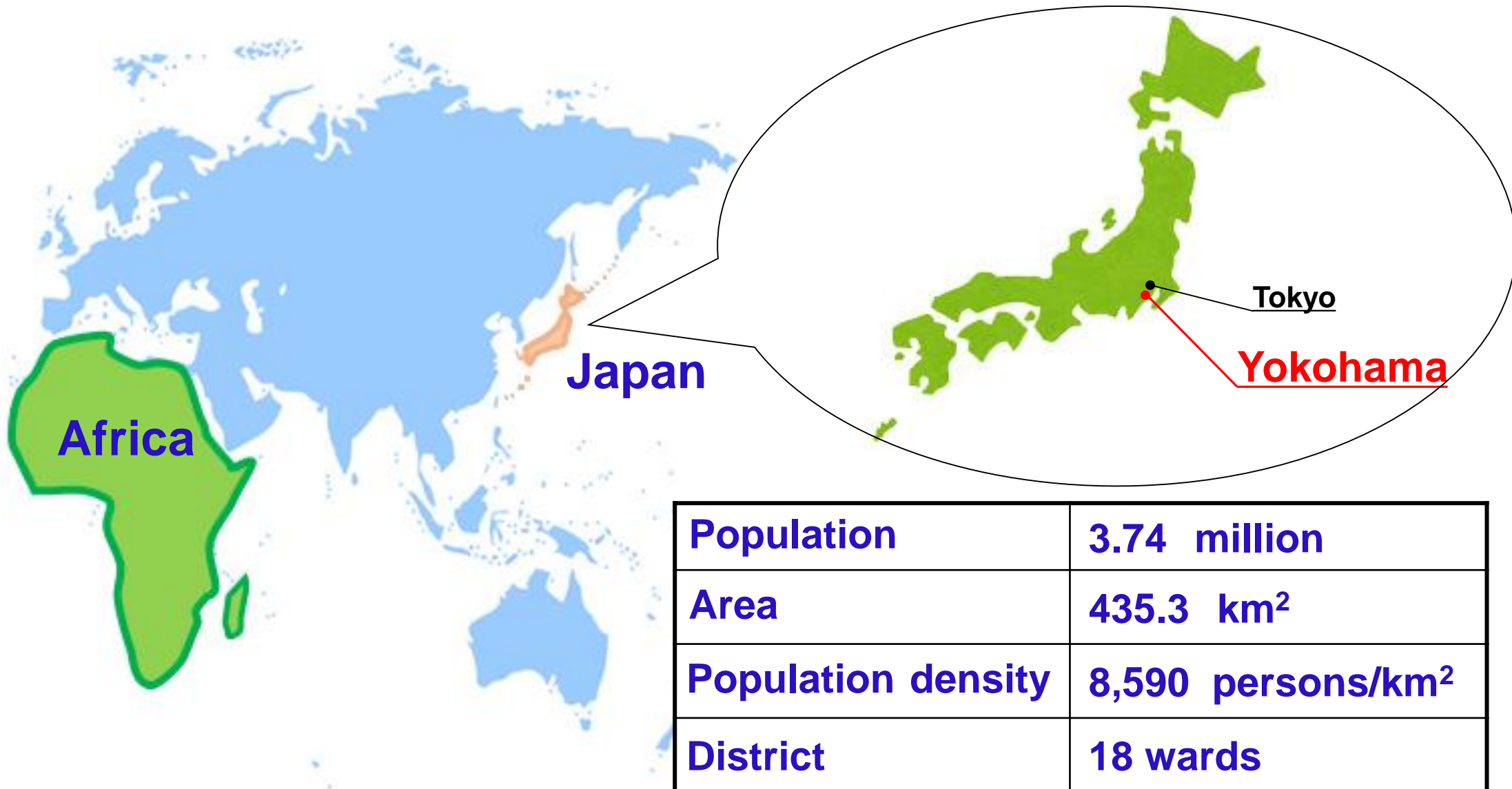


African Clean Cities Platform Training Program in Yokohama

Kazuo FUKUYAMA

Director General
Resources & Waste Recycling Bureau
City of Yokohama

Overview of Yokohama



(as of May 1, 2018)

TICAD in Yokohama



©Ministry of Foreign Affairs of Japan

TICAD 6 (2016)

TICAD 5 (2013)

TICAD 4 (2008)

TICAD 7 (2019)



Exchanges Between Yokohama and Africa



One School, One Country Program



Training Program in Yokohama



Closing Ceremony



Yokohama's Expertise

- ✓ **Experience**
of Urban Problem Solving
- ✓ **Know-how**
of Waste Management Operations
- ✓ **Collaboration**
with both Citizens and Private Businesses





Yokohama's Expertise

Experience of Urban Problem Solving



Rapid Economic Growth



Affluent Life



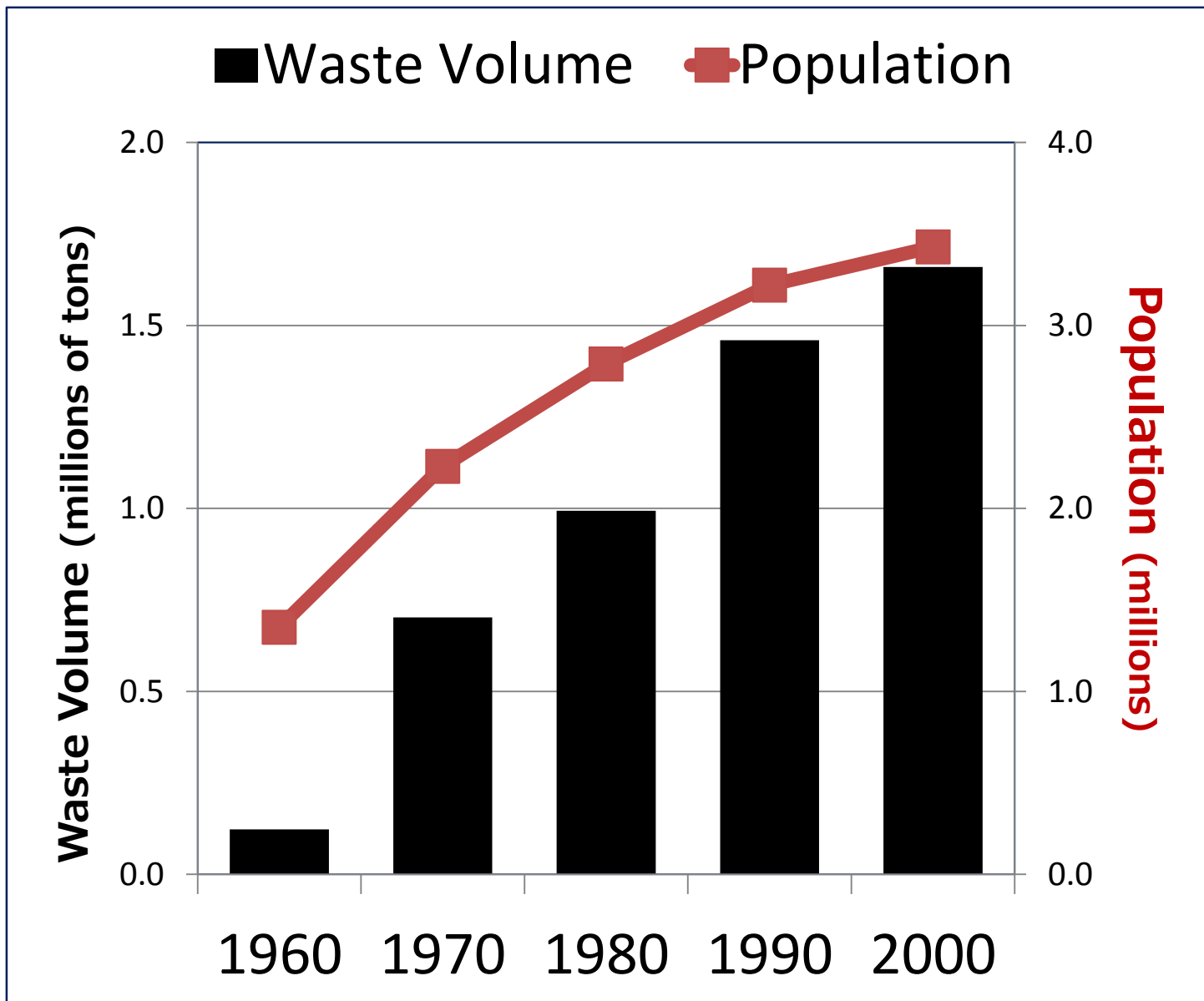
Increase in traffic volume

Rapid Economic Growth



Increased Amount of Large-Size Refuse (1970s)

Waste Volume and Population (1960s~2000s)



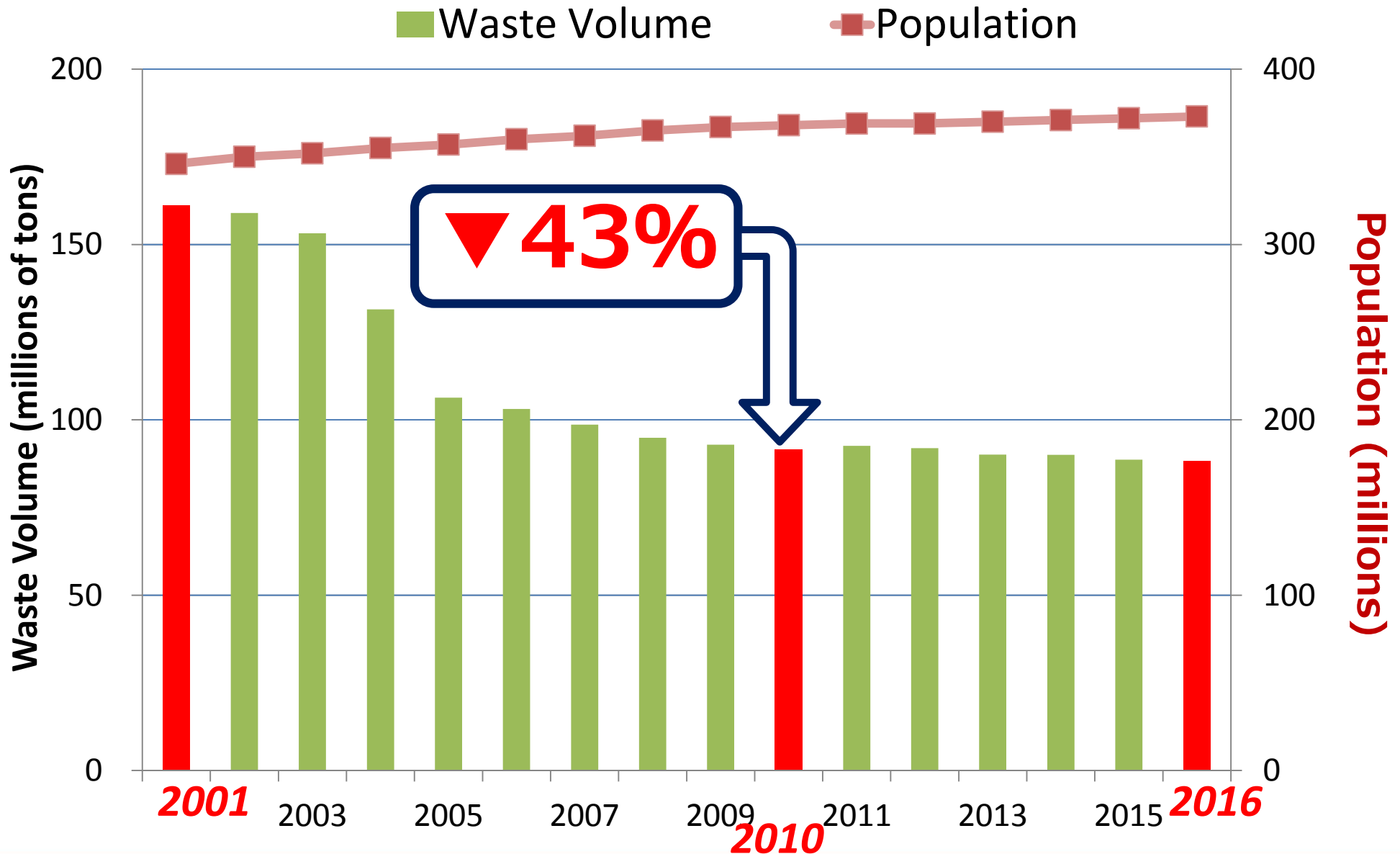
Over 40 years

Population:
×2.5

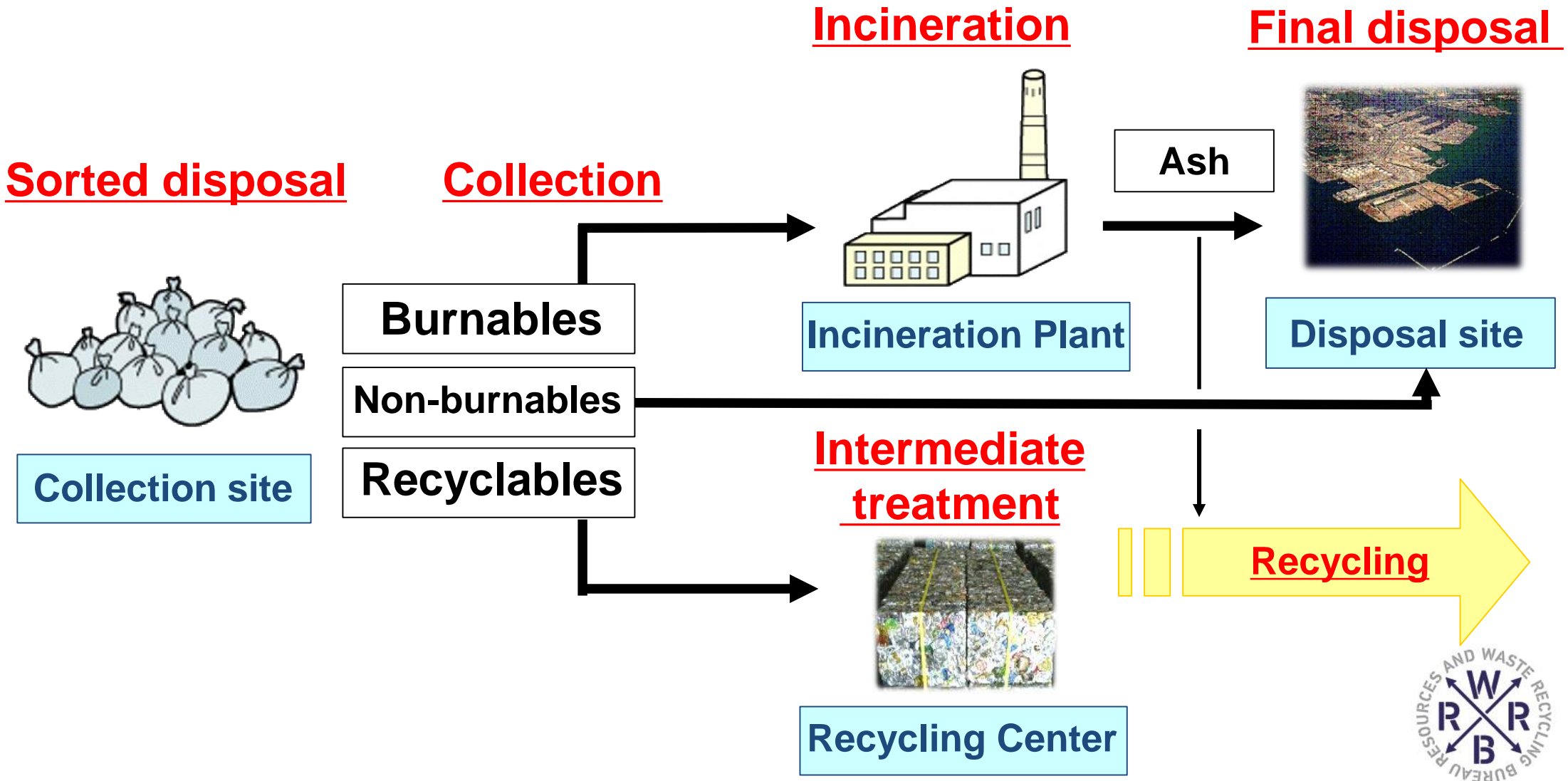
Waste Volume:
×16



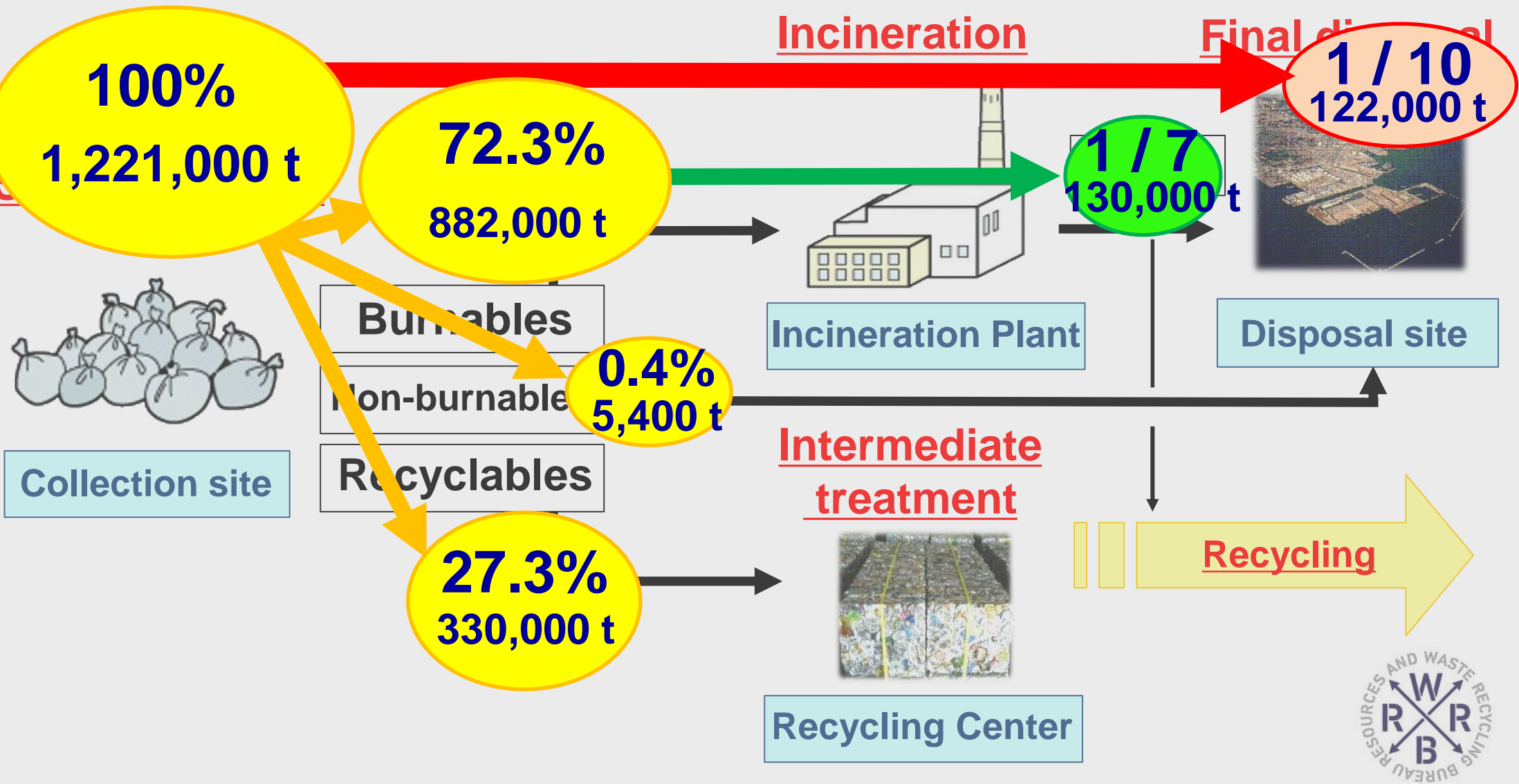
Waste Volume and Population (2000s~)



Flow of Waste & Resources



Reduction of Waste & Resources





Yokohama's Expertise

Know-how of Waste Management Operations



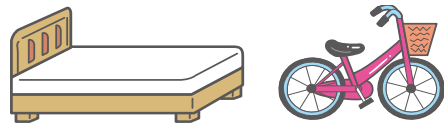
Sorted Disposal

Sorting Categories: 10 categories, 15 types

Burnables



Oversized waste



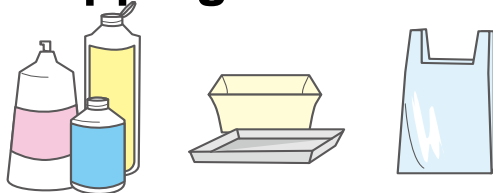
Cans, glass bottles, plastic bottles



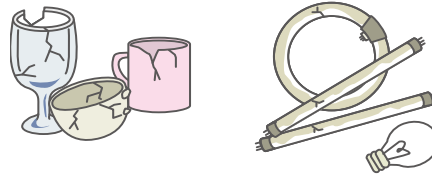
Small metal items



Plastic containers/wrapping



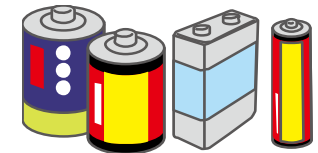
Non-burnables



Spray cans



Used batteries

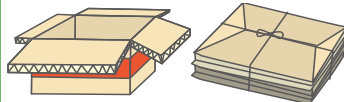


Paper

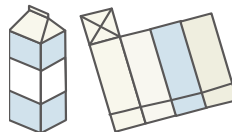
Newspapers



Cardboard



Cartons



Magazines/ other paper



Clothes/Fabrics



Collection Sites



73,000
Collection Sites



Visiting a Collection Site



Collection and Transportation



Visiting a Waste Collection Office

The Collection Office in each of the 18 wards collects household waste

Garbage Trucks	900
Staff Members	1,000



Average Garbage Truck (2 t)

Intermediate Treatment (Incineration)

Kanazawa Plant

Year of Construction 2001

Capacity 1,200 tons/day

Power Generation 35,000 kW

Construction Cost 569million \$



Visiting an Incineration Plant

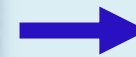
Intermediate Treatment (Recycling)



Visiting a Recycling Company



Plastic Bottles

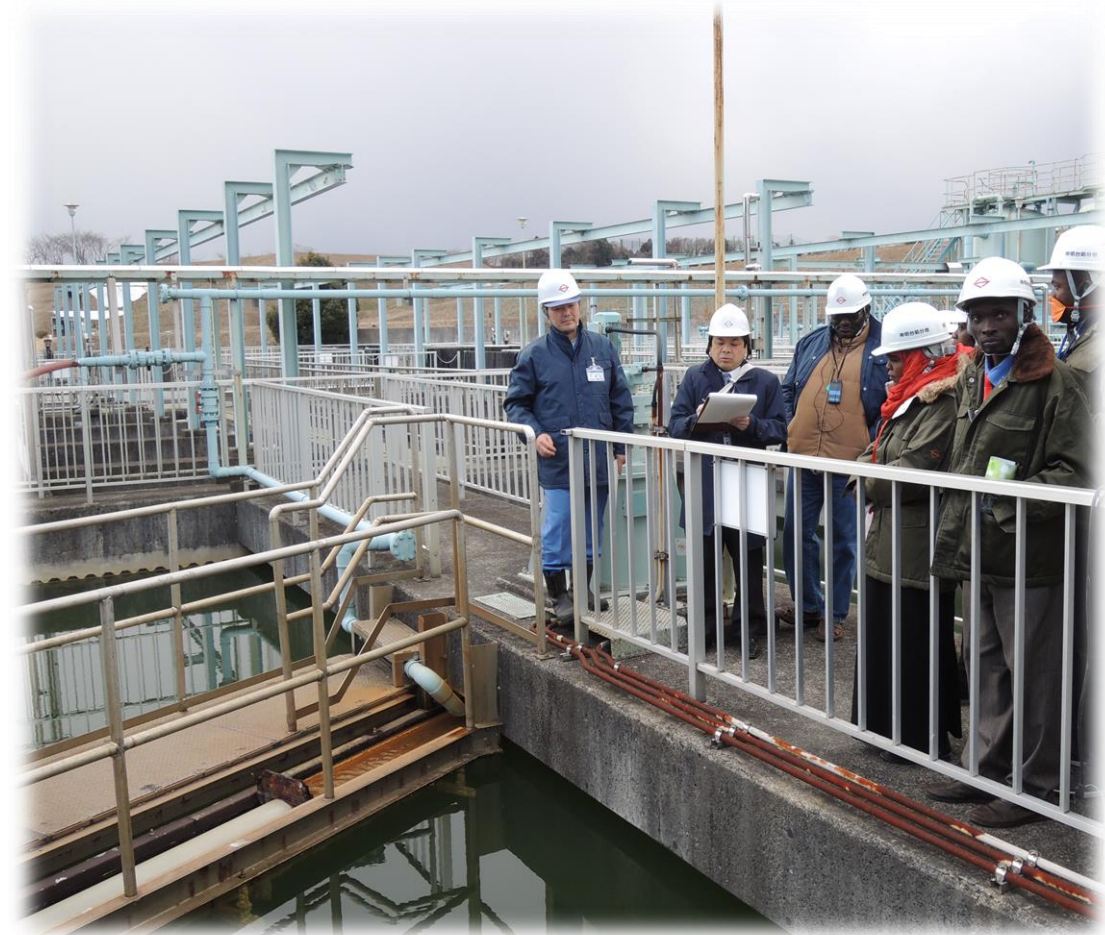


Fiber

Final Disposal



Visiting a Final Disposal Site



Visiting a Water Treatment Facility



Yokohama's Expertise

Collaboration

with both citizens and Private Businesses



Environmental Education

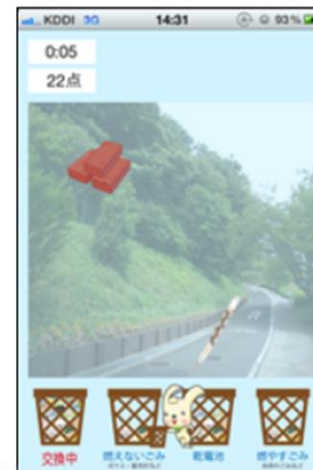


Educational program by collection offices

Educational Programs
1,400 times/year



Educational Material on the Environment



Waste Sorting Game

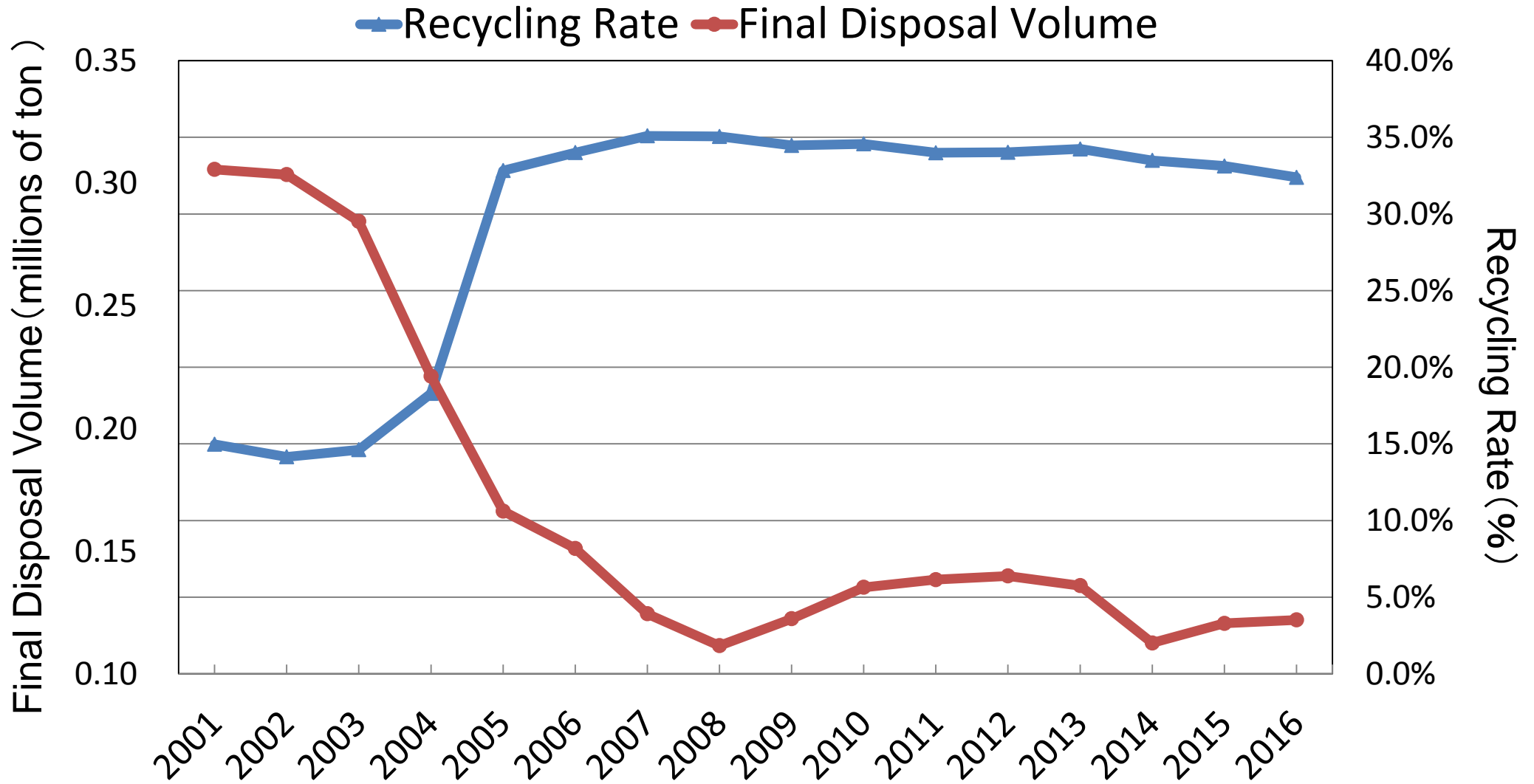


Recycling technology



Visiting a Private Business

Recycling Rate & Final Disposal Volume



Exchange with Children



Visiting a Junior High School



Presentation of Action Plans



A Scene from the Plan Presentations

Toward Clean African Cities



Visiting an Incineration Plant



Visiting a Recycling Center



Thank you for your attention.



INQUIRIES:
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sj-wastemanagement@city.yokohama.jp