



Japanese strategy for the Circular Economy

The 4th Fundamental Plan for Establishing
a Sound Material-Cycle Society

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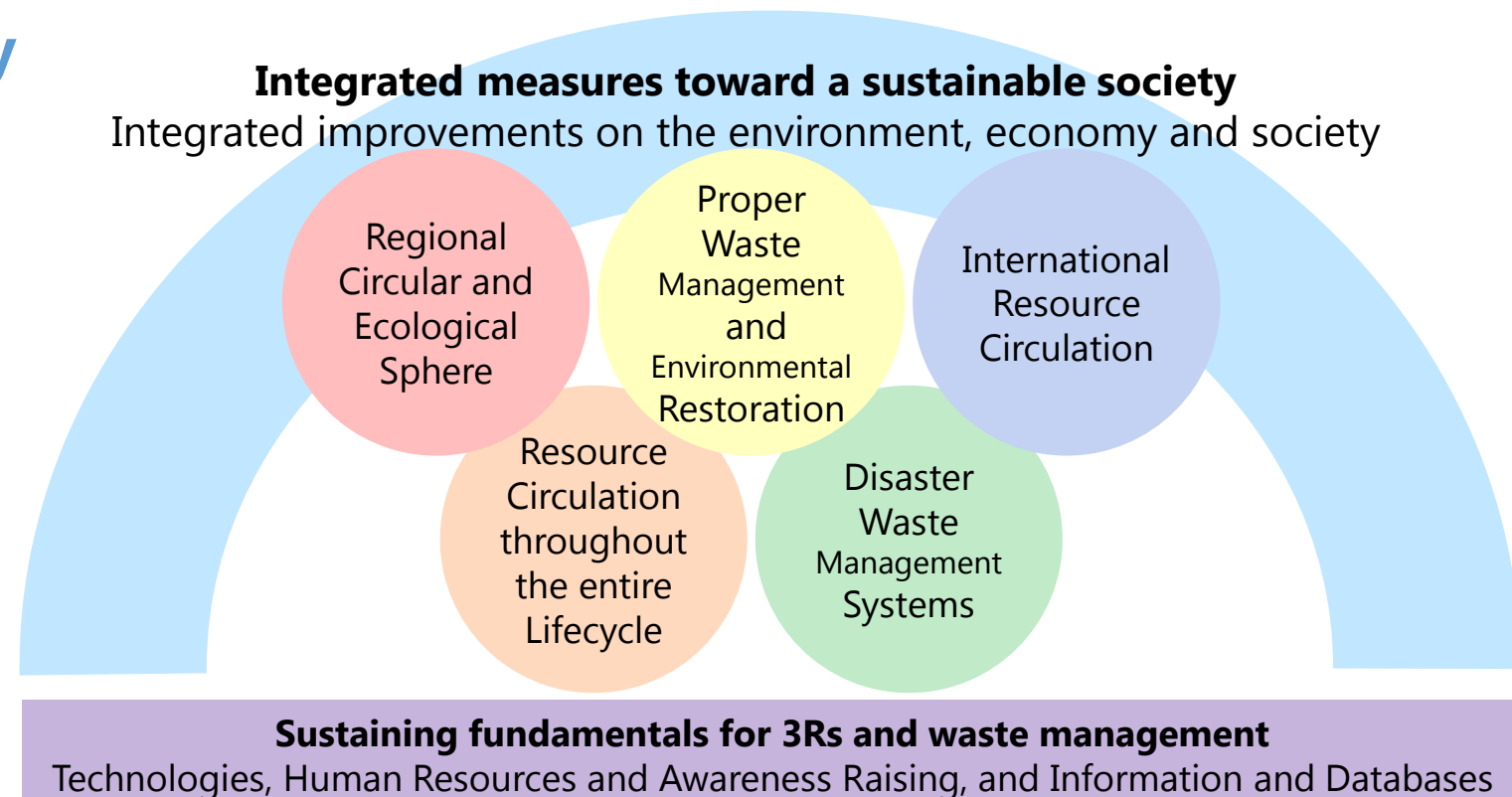
Office for Promotion of Sound Material-Cycle Society
Ministry of the Environment, Japan

The 4th Fundamental Plan for Establishing a Sound Material-Cycle Society

The Fundamental Plan

- The Plan is formulated based on the Basic Act on Establishing a Sound Material-Cycle Society and sets a mid-to long-term direction for the establishment of a sound material-cycle society in Japan.
- The 4th Fundamental Plan, which was approved by the Cabinet on June 19th, 2018, indicates measures to be implemented in a strategic manner.

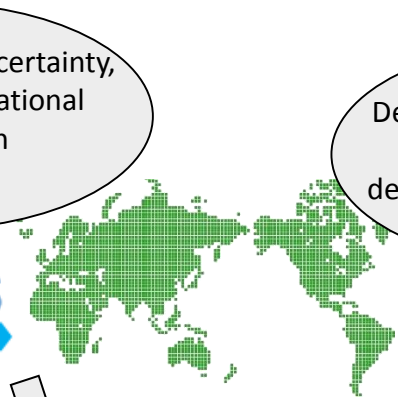
Pillars of the Strategy



Challenges Facing Japan

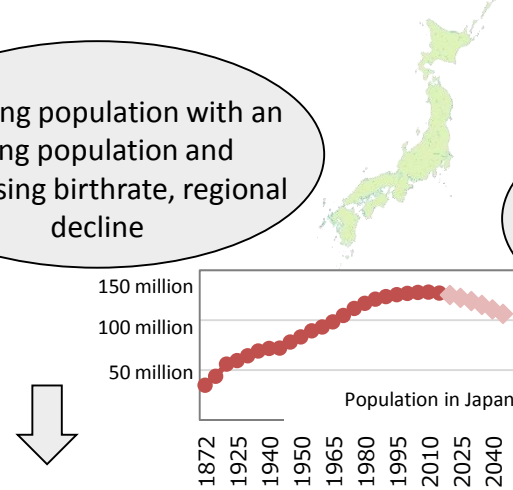
SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

Source: UN Information Centre



Increasing global uncertainty,
Progress in international
coordination

Declining population with an
aging population and
decreasing birthrate, regional
decline



Source: National Institute of Population and Social Security Research

Economic stagnation,
Society 5.0



Source: Cabinet Office

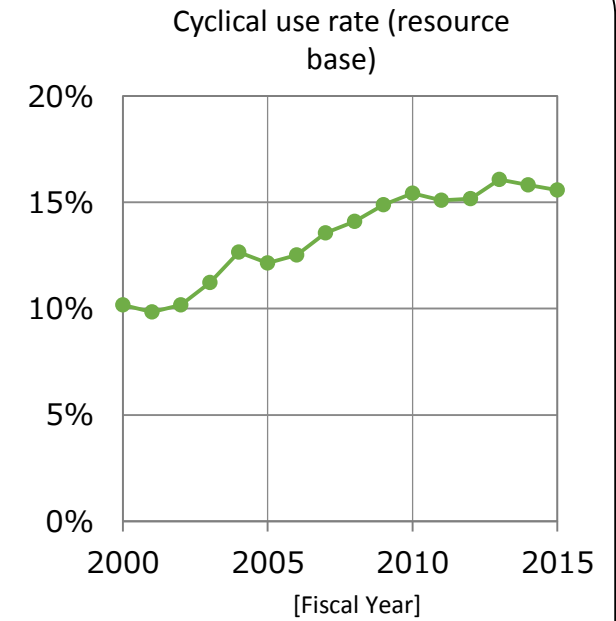
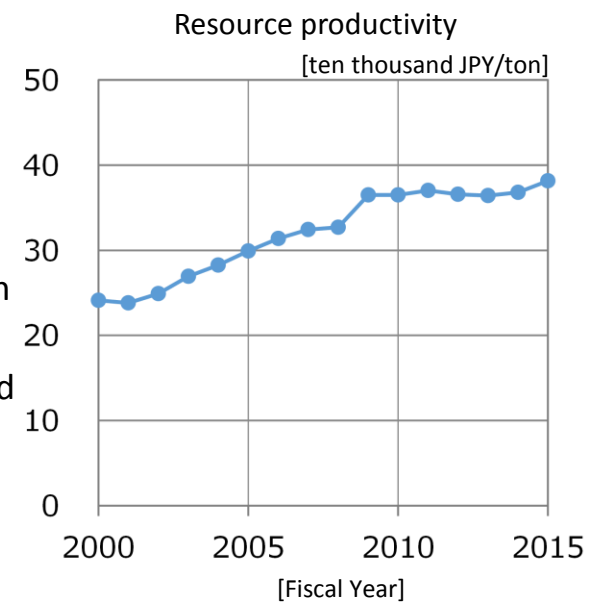
A Sound Material-Cycle Society

Current status

- Resource productivity has experienced major progress since FY 2000, but has been leveling-off

Recent issues

- Restoration of the environment and reconstruction from radioactive contamination by the nuclear accident
- Frequent occurrence of large-scale disasters and delays in responses
- Change in people's perspective (from material wealth to spiritual wealth)
- Shortages of human resource for waste treatment and recycling



Achievements

Resource productivity improved by 58% and final disposal amount reduced by 74% due to policy advancement over 15 years since 2000

Underlying factor

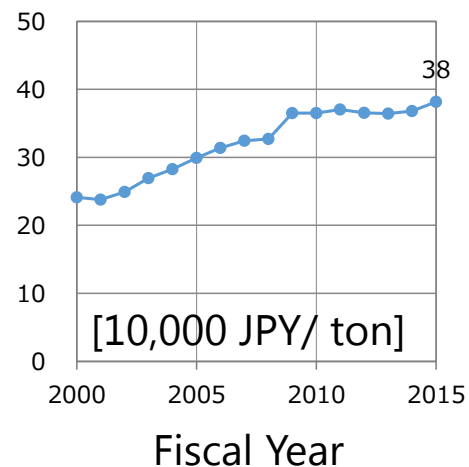
- Decrease in large-scale public works
- Changes in the industrial structure
- Promotion of recycling based on recycling acts



Resource productivity

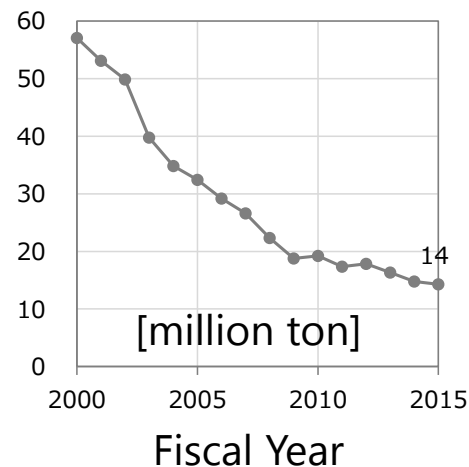
= GDP/ Input of natural resources, etc.

58% increase



Final disposal amount

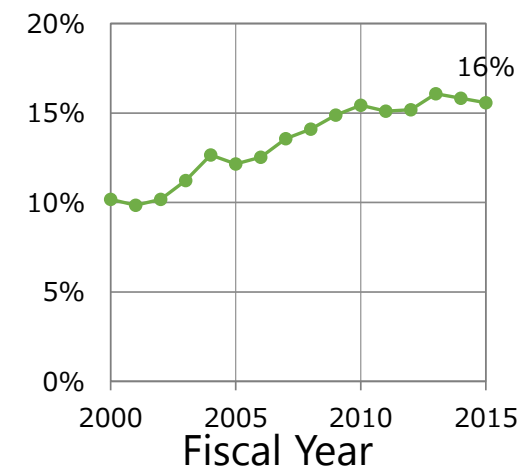
74% decrease



Cyclical use rate (resource base)

= Amount of cyclical use / (Amount of cyclical use + Input of natural resources, etc.)

60% increase

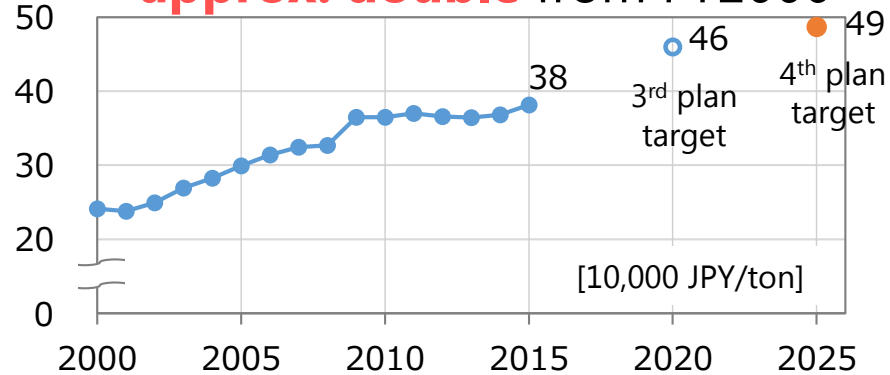


Targets and Indicators for Progress Monitoring

Resource productivity

FY2025 target: 490,000JPY/ton

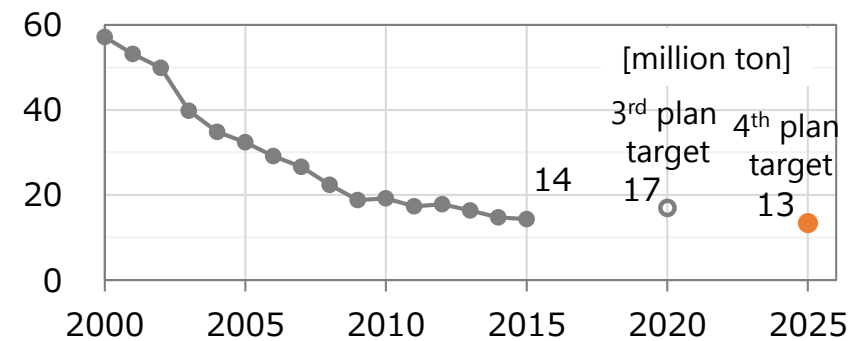
= approx. double from FY2000



Final disposal amount

FY2025 target: 13 million ton

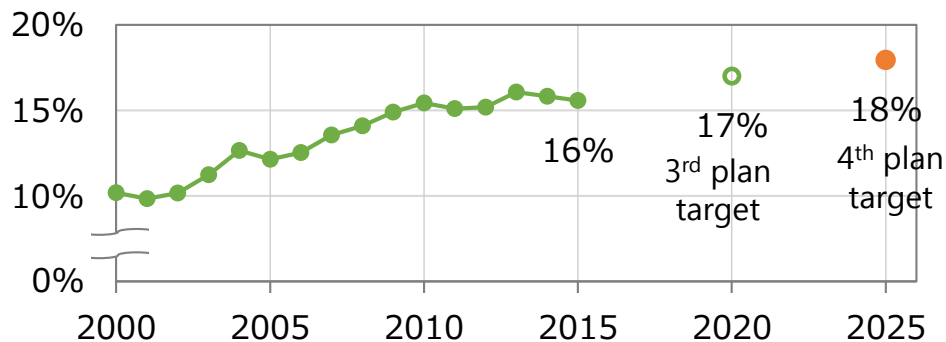
= 77% reduction from FY2000



Cyclical use rate (resource base)

FY2025 target: 18%

= approx. 80% increase from FY2000

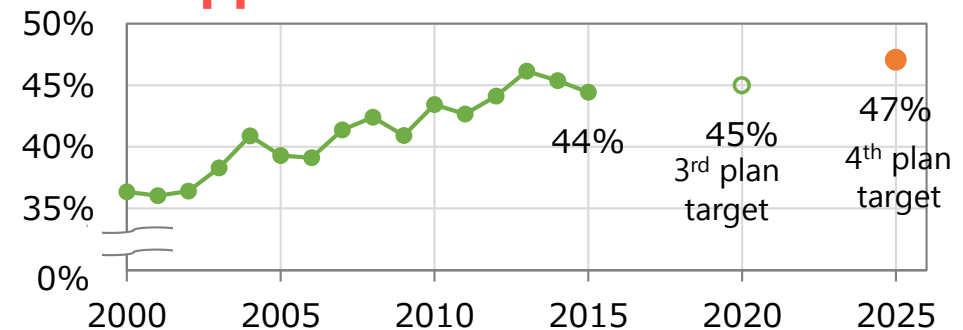


Cyclical use rate (waste base)

= Amount of cyclical use/ Generation of waste, etc.

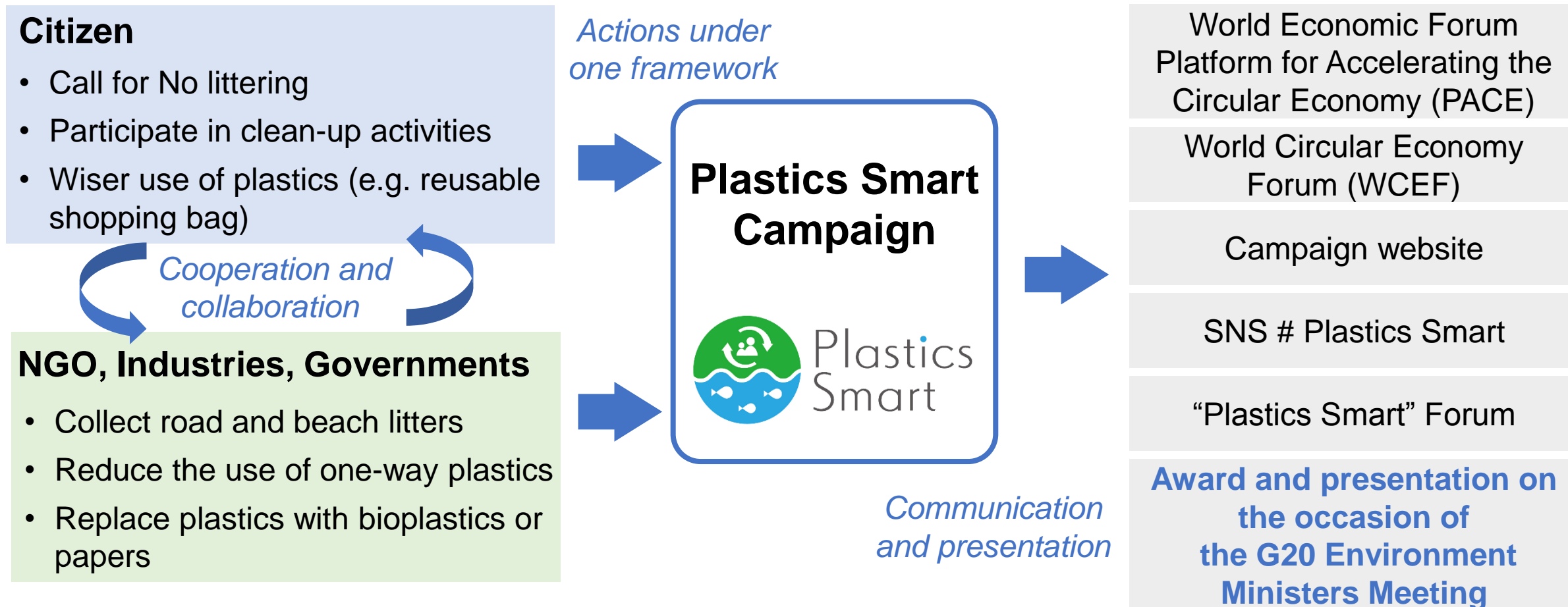
FY2025 target: 47%

= approx. 30% increase from FY2000



“Plastics Smart” Campaign

Best-practices of “smarter relation with plastic” will be presented through multiple platforms in the campaign



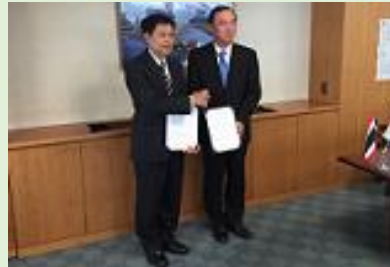
International cooperation with developing countries

Contribution through exporting a package of waste management technologies, systems, and capacity building

Bilateral cooperation:

Support for system development

- Thailand: Memorandum of Cooperation on industrial waste management
- Vietnam: assistance for national 3R strategy development
- Philippines: support to form the waste-to-energy guideline



Ongoing projects in Asia-Pacific

- Introduction of waste to energy plant in Yangon, Myanmar
- F/S for waste-to-energy facility construction in Davao, Philippines
- Comprehensive support program for introducing waste-to-energy technology to Indonesia



WtE plant completed in April 2017 in Yangon

Multilateral cooperation:

Regional 3R Forum in Asia and the Pacific

- 8th Forum was held in Indore, India in April 2018
- More than 700 participants including Ministers from Asia-Pacific countries
- 9th Forum is held in Bangkok, on 4-6 March 2019