

Latest trends of policy and business for circular economy in Japan

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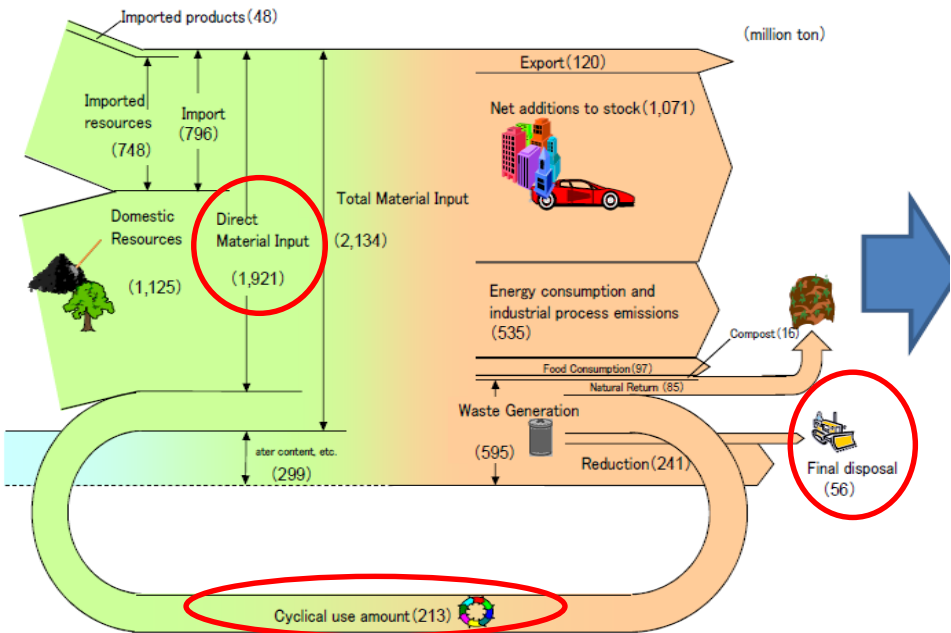
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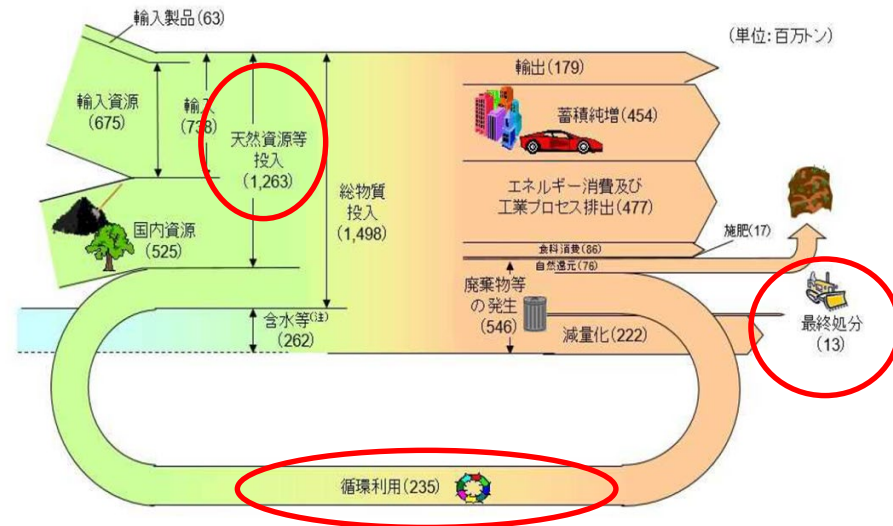
GJETC Webinar “Nexus of Circular Economy, Resource Efficiency and Climate Protection”

Material Flow in Japan

FY 2000



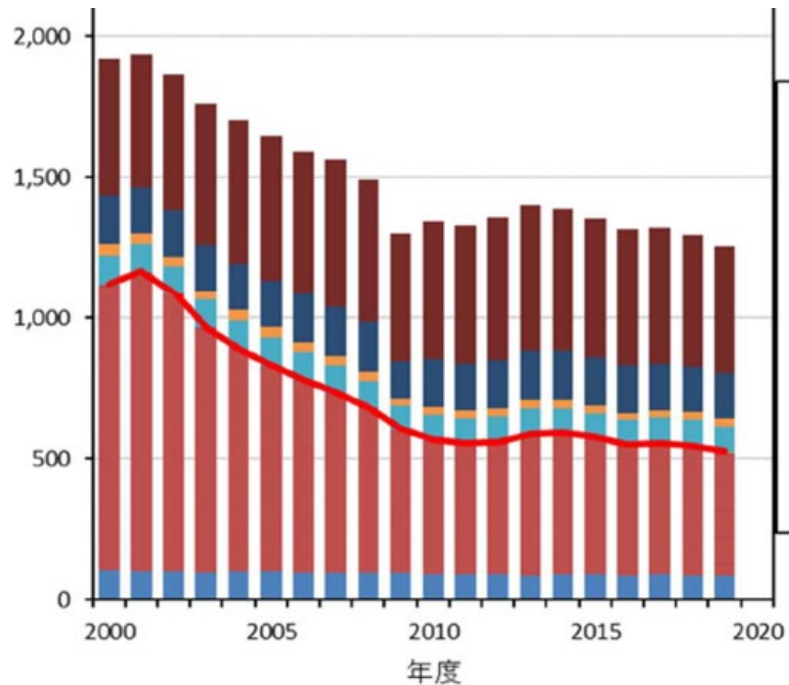
FY 2019



Source: Ministry of the Environment, Japan (MOEJ)

Direct Material Input

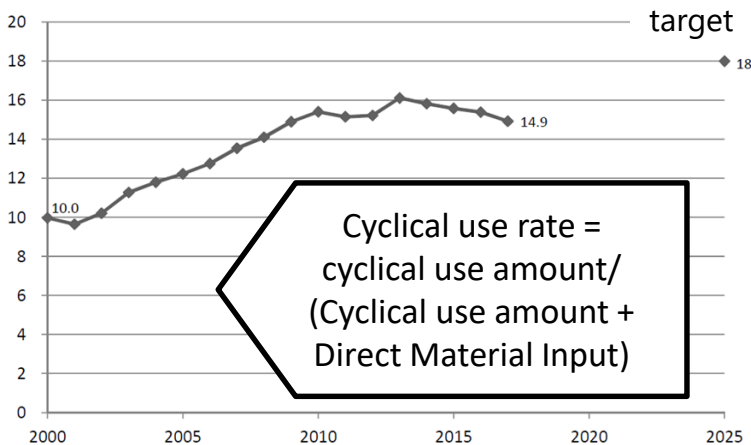
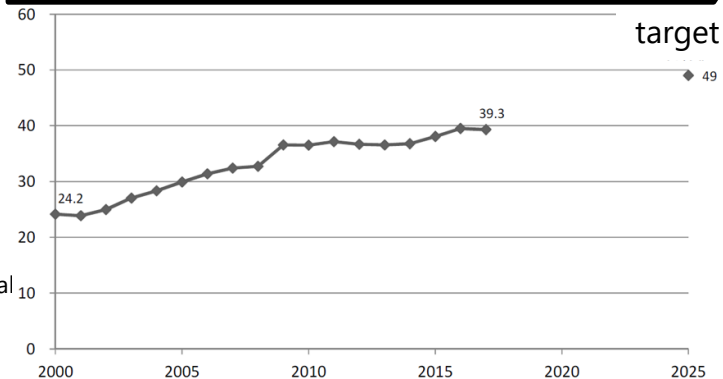
←reduction in non metallic minerals



Direct Material Input (unit: million ton)

Source: Ministry of the Environment, Japan (MOEJ)

$$\text{Resource Productivity} = \text{GDP} / \text{Direct Material Input}$$



$$\text{Cyclical use rate} = \frac{\text{cyclical use amount}}{\text{Cyclical use amount} + \text{Direct Material Input}}$$

Policy framework for Sound Material Cycle Society in Japan

Circular Economy Vision (1999, 2020)
Growth oriented resource autonomy strategy (2023)

Basic Act for Establishing a Sound Material Cycle Society(2001)

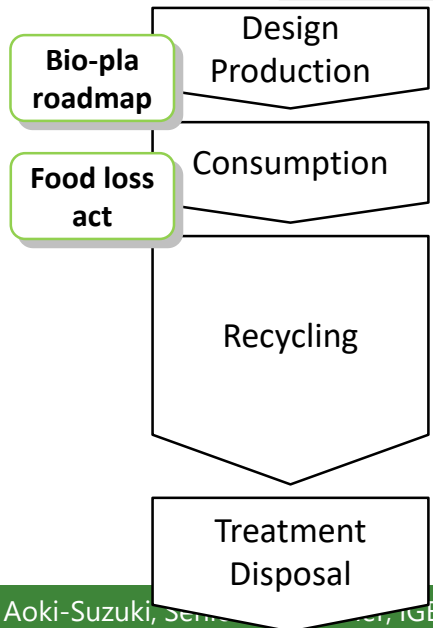
Fundamental Plan for Establishing a Sound Material Cycle Society (2003, 2008, 2013, 2018)

Preventing natural resources consumption and the negative environment impact as much as possible

1. Plastic resource circulation strategy, 2. Biomass (food loss and waste), 3. Metal, 4. Construction (long life construction), 5. emerging topics (solar power generation, diaper)

Plastic Resource Circulation Strategy (2019)/Plastic Resource Circulation Act (2022)

Circular Economy Roadmap (2022)



Act on the Promotion of Effective Utilization of Resources (2001-)
Design and manufacturing based on the 3Rs, Labeling for sorted collection, Promotion of effective utilization of by-products

Green Purchasing Act(Government's initiative to promote the procurement of recycled items) (2001-)

Containers and Packaging (2000-)

Home Appliances (2001-)

Food (2001-)

Construction Material (2002-)

End-of-Life Vehicles (2005-)

Small Home Appliance (2013-)

Act on the Promotion of Effective Utilization of Resources (2001-) Collection, Recovery and Recycling of Used Products

Waste Management and Public Cleansing Act (1971-)
Reduction of waste generation, Proper treatment of waste (including recycling), Regulation for establishment of waste treatment facilities, Regulation for waste treatment operators, Establishment of waste treatment standards, etc.

Thank you very much!!!!

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