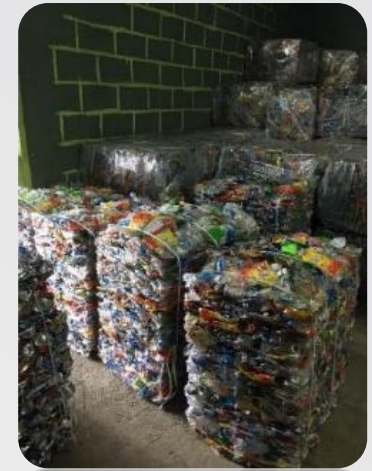




JICA's Initiative to promote Circular Economy

Koji MAESHIMA

Environmental Management and Climate Change Group,
Global Environment Department
JICA

Prevent environmental pollution to create clean cities for the healthy lives of people

JICA addresses waste, water and air pollution, and other environmental problems that cause health problems to create clean cities.

In many developing countries, industrialization and urbanization are progressing without environmental measures, causing serious contamination of water, air, and soil, and damaging people's health.

Through measures such as waste management and the prevention of water and air pollution, we work together in creating “clean cities” and aim to build sustainable societies.



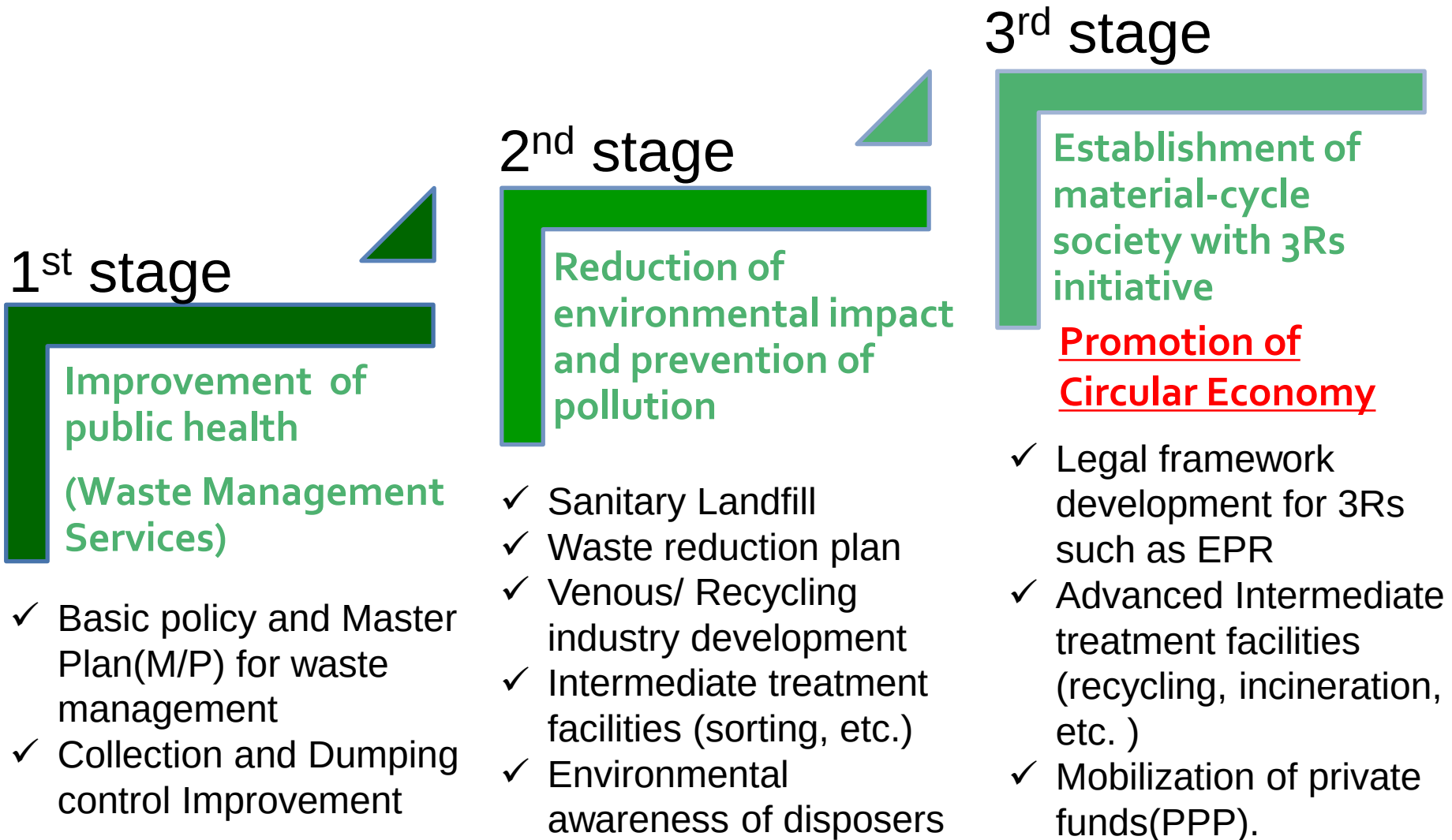
Japan International Cooperation Agency (JICA) supports Sustainable Development Goals (SDGs).

Cover Photo — Waste segregation in Kataragama, Sri Lanka.
Sorting out fruit and other food waste that can be turned into compost quickly.
Photo: Yusuke Abe

JICA's Approach toward Circular Economy

Assistance Based on Development Stages

Stages by Stage Approach



Case(1) JICA's Project toward CE

1st stage

Improvement of Waste Management Services

Example from
Bangladesh
'Clean Dhaka
Project'

- Development of 'Clean Dhaka Master Plan'
- Improvement of Waste Collection:
 $\text{collection rate} > 44\% (2004) \Rightarrow \underline{85\% (2021)}$
- Improvement of Final Disposal Site
- Participatory Waste Management through WBA (Ward-based Approach)

Before



After



Case(2) JICA's Project toward CE

Plastic database and Plastic recycling

2nd stage

Technical Cooperation Project

Sri Lanka: Project for Strengthening Plastic Management Capacity (2023-2026)

Establish national database and monitoring mechanism for plastics management, Promote alternative materials to plastics



SDGs Business Supporting Survey

Philippines: Business Validation Survey on Establishing a Resource Recycling Enterprise (2012-2015)

Produce Waste Plastic-based Fuel (fluff fuel) by sorting and extracting plastic waste and use it as boiler fuel.



Case(3) JICA's Project toward CE

Road to Circular society in Malaysia
~M/P, Sanitary Landfills, 3R, WtE, etc., ~



Case(4) JICA's Project toward CE

3rd stage

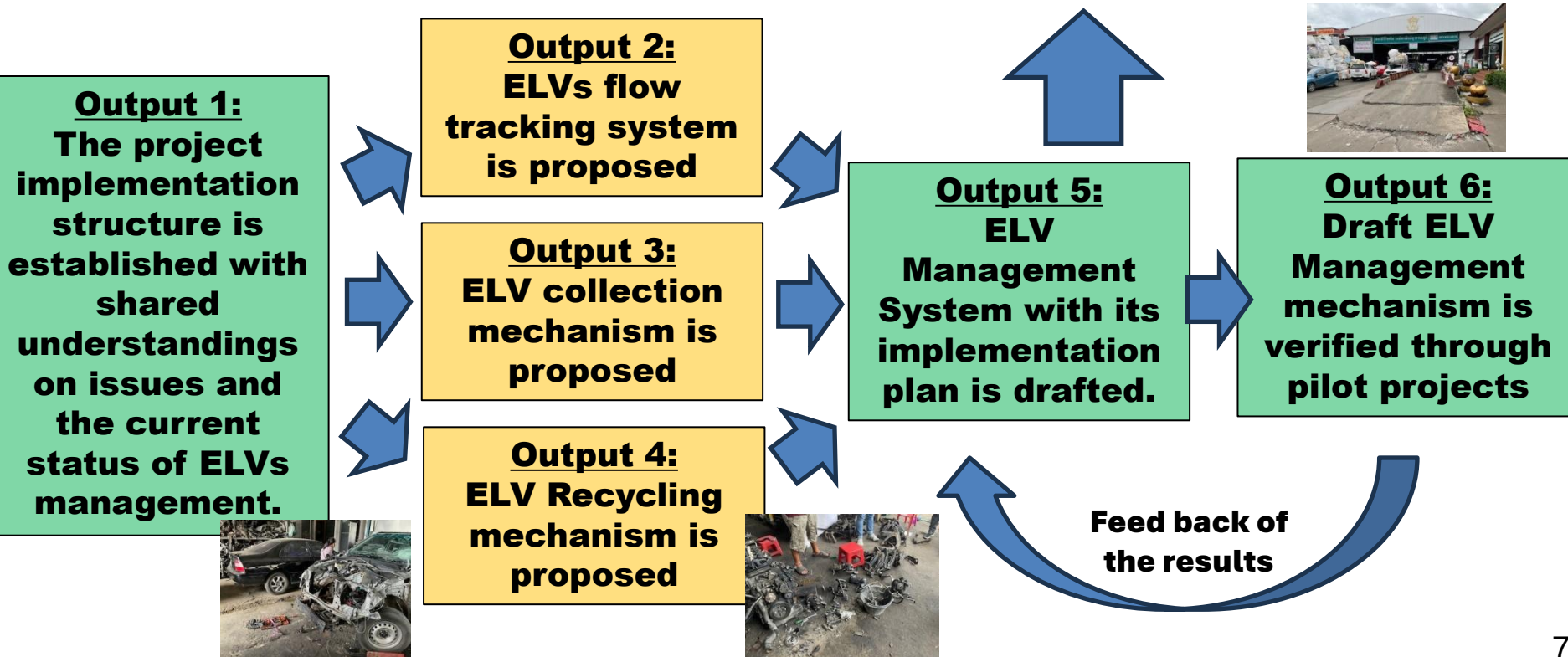
EPR

Establishment of Comprehensive End-of-Life Vehicles (ELVs) Management System in Thailand, collaborating with Japanese government and private sector (2024.Aug-2028.Feb)



Overall Goal (Long-term goal): The ELV Management System is started to be established in accordance with its implementation plan.

**Project Purpose:
Draft ELV Management System and its implementation plan are formulated.**



Case(5) JICA's Project toward CE

New Initiatives towards a Circular Economy

3rd stage

Project for Capacity Development of Waste Management towards Circular Economy in Vietnam (2026-)

Key Points for a new technical cooperation project:

- Support the implementation of Vietnam's **National Action Plan for Circular Economy (NAPCE)**, which was approved and issued in January 2025 and set targets through 2035.
- Design **Circular Economy models for priority types of waste (products/ materials)** and test as model cases.
- Design and operate as a trial **an information connection and data sharing platform** to assess circular economy implementation at the national level.

⇒ This project contributes to achieve a circular economy by promoting efficient resource use, reducing environmental burdens, and enabling economic growth without increasing environmental impact.



JICA's Initiative toward Circular Economy

- 1st Improvement of Waste Management Services
 - 2nd Waste Reduction, Plastic Recycling, Sanitary Landfill
 - 3rd Legal Framework (EPR), Advanced Recycling, Private Funds Mobilization
- ➡ Promote initiatives toward Circular Economy

