

DX, innovation, and introduction of Japan's technologies and expectations

Remanufacturing Production Project in ASEAN Countries

- CE Policy in ASEAN countries and Vietnam's case-
- Trial Remanufacture in Vietnam-

JICA Clean City Initiative (JCCI)
International Seminar 2024
7 February 2024

Vietnam MONRE- JICA Expert
Ichiro Adachi

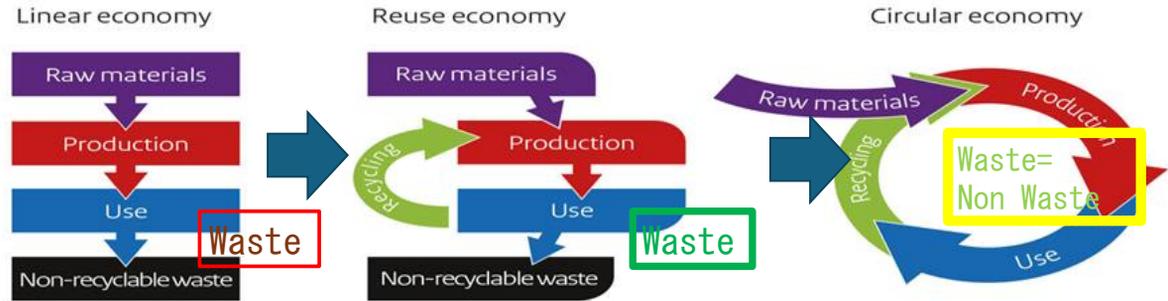
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From a linear to a circular economy

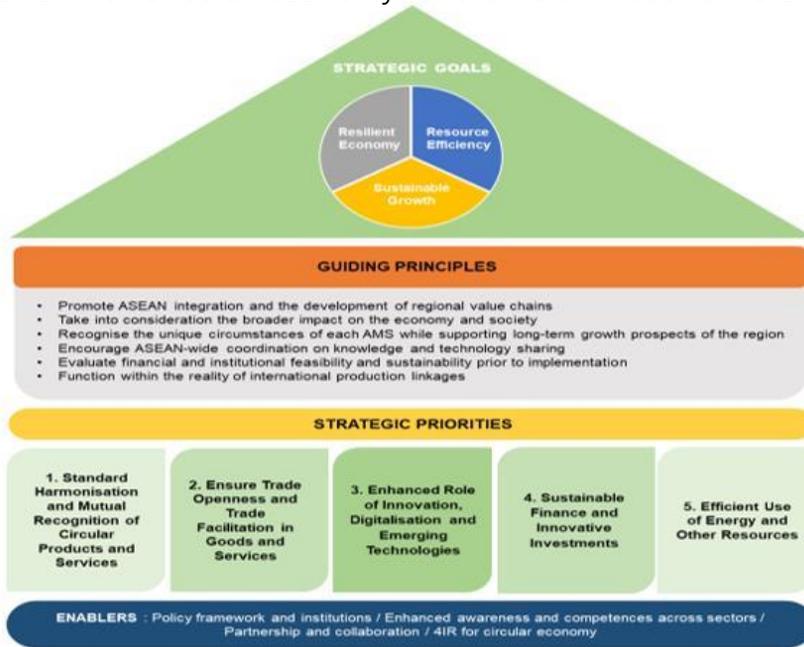
Difference = The definition of the Waste should be transferred / integrated.



How and what do we consider and accept the "waste"?

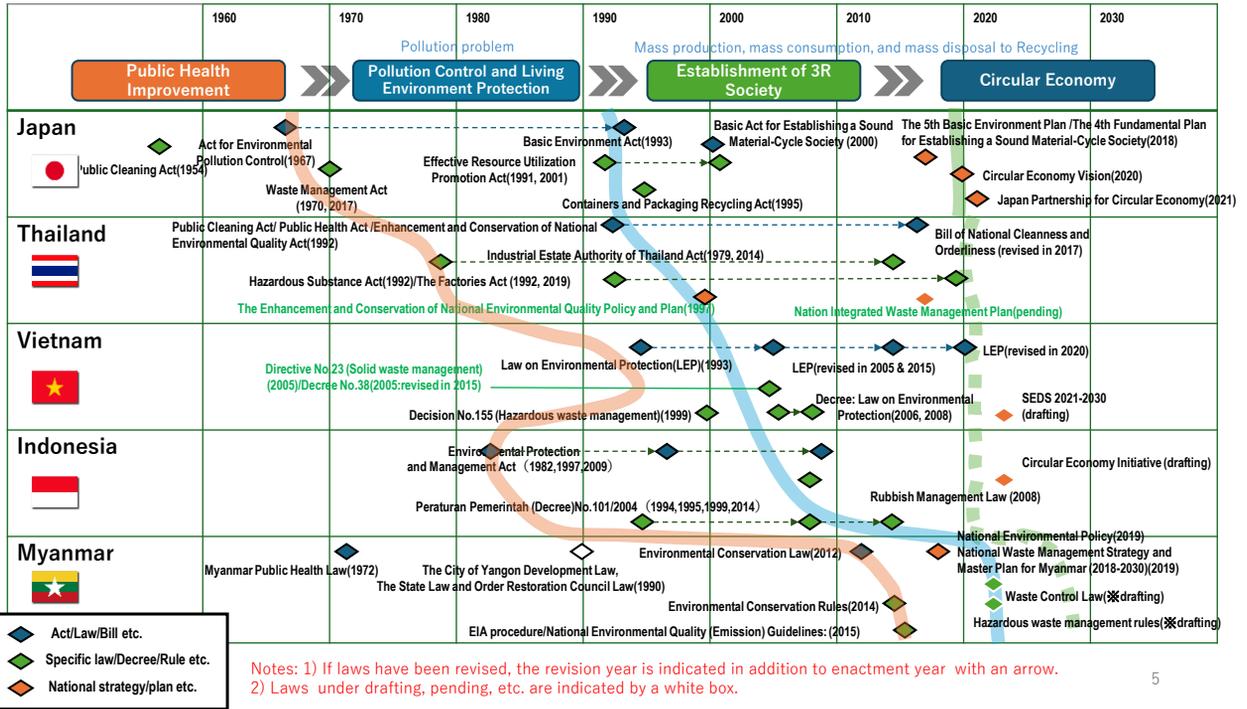
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Framework for Circular Economy for the ASEAN Economic Community



Source: ERIA (2021)

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Orientation of the Party and Government of Vietnam



Source: MONRE-ISPONRE

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Law on Environmental Protection 2020

The **Law on Environmental Protection 2020** is a breakthrough for Vietnam

- ✓ **EPR** coming into force from 2024
- ✓ **Polluter pay principle** is valid from 2025
- ✓ **Waste segregation at source** from 2025
- ✓ **A ban on single-use plastic bags** from 2026
- ✓ Provide the **Circular Economy** concept and roadmap to implement circular economy from 2024

Source: MONRE-ISPONRE



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Article 142. Circular Economy

1. Circular economy is an **economic model** which encompasses the design, production, consumption and services activities aimed at reducing raw materials, extending product life, reducing waste generation and minimizing adverse impacts on the environment.

2. Ministries, ministerial agencies and provincial People's Committees shall incorporate circular economy immediately at the stage of formulating a development strategy, planning, plan, program or project; managing, reusing and recycling waste.

3. Every business shall establish a management system and take measures to reduce extraction of natural resources, reduce waste and increase waste recycling and reuse from setting up a project and designing a product or goods to production and distribution.

4. The Government shall elaborate on criteria, roadmap and mechanisms for encouraging the implementation of circular economy in conformity with the national socio-economic conditions.

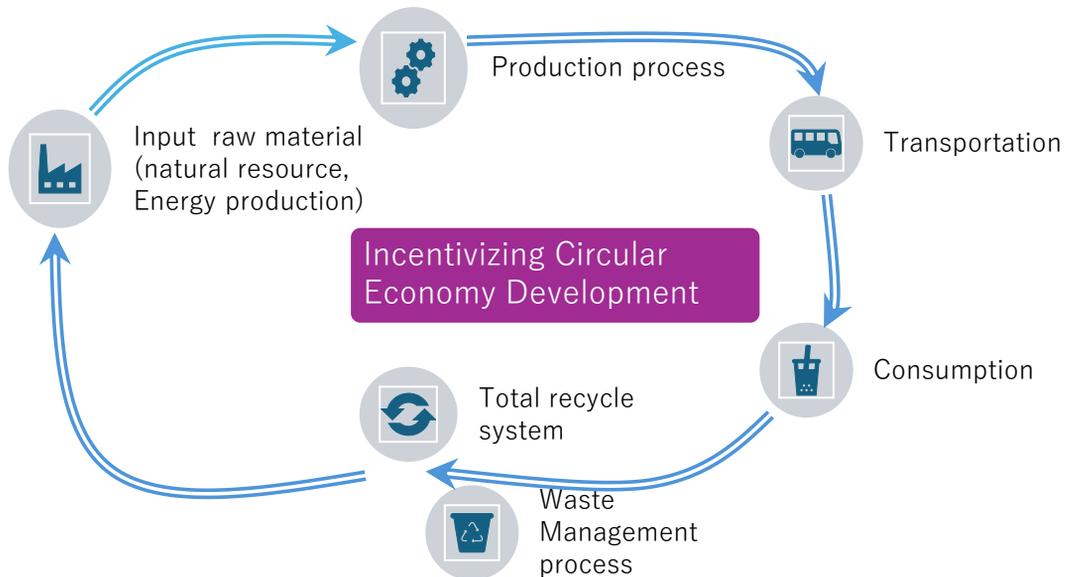
Source: MONRE-ISPONRE



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Circular Economy System Development -Linkage-

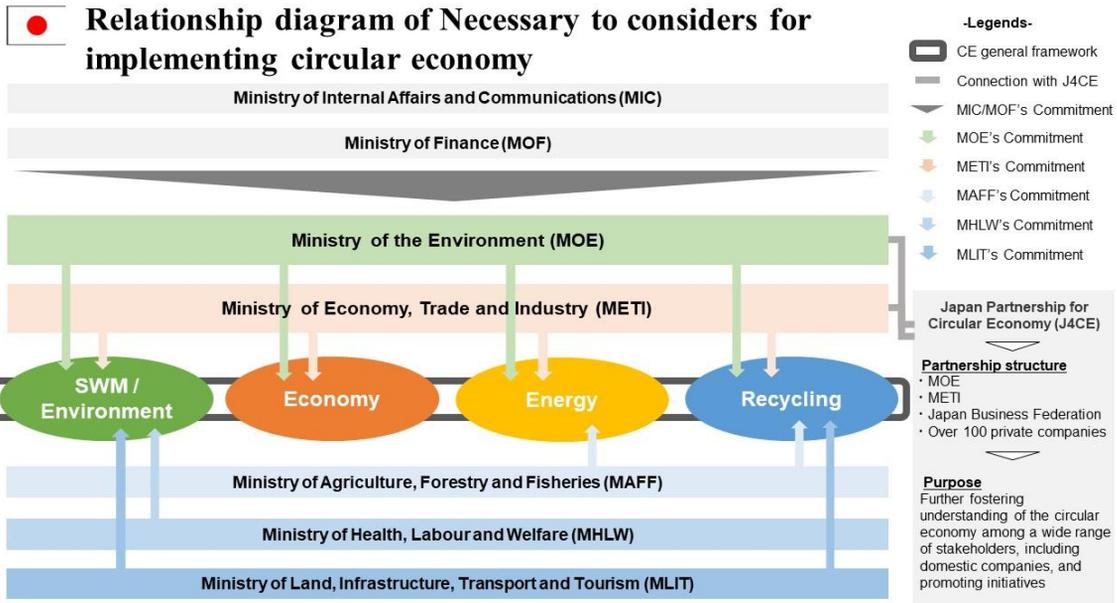


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Challenges for Implementation - The Fact -



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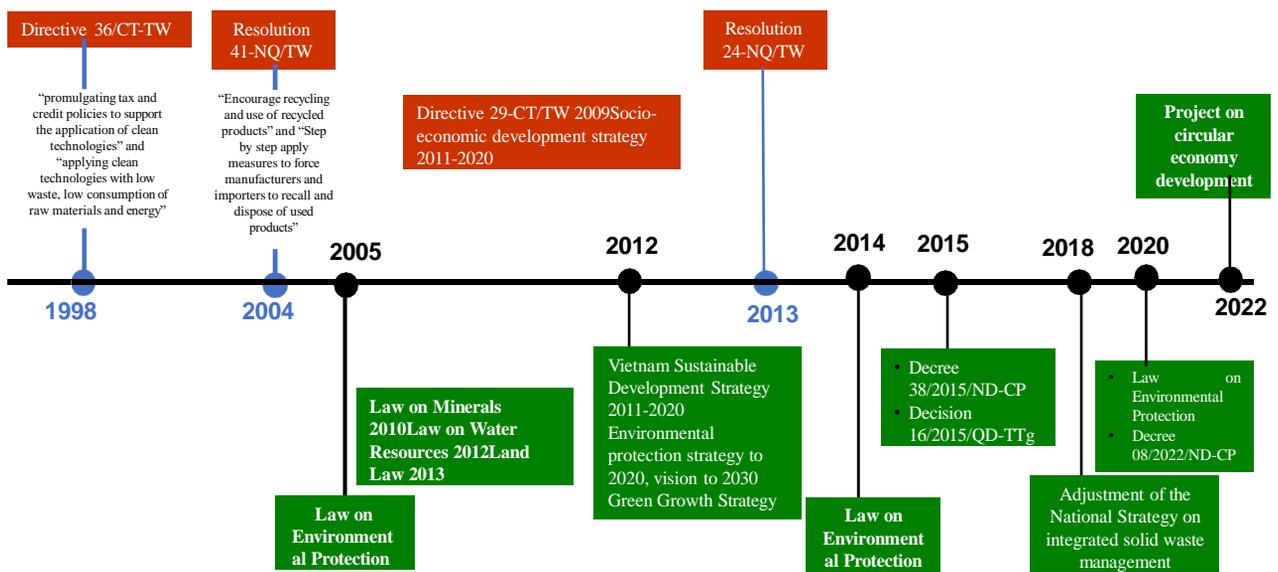
Reference:
 Ministry of the Environment, URL: https://www.env.go.jp/ recycle/circul/venous_industry/en/history.pdf, Ministry of the Environment, URL: <https://www.env.go.jp/en>, Ministry of Economy, Trade and Industry, URL: <https://www.meti.go.jp/english/>, Ministry of Agriculture, Forestry and Fisheries, URL: <https://www.maff.go.jp/e/>, Ministry of Health, Labor and Welfare, URL: <https://www.mhlw.go.jp/english/>, Ministry of Land, Infrastructure, Transport and Tourism, URL: <https://www.mlit.go.jp/en/index.html>, Ministry of Internal Affairs and Communications, URL: <https://www.soumu.go.jp/english/>, Ministry of Finance, URL: <https://www.mof.go.jp/english/index.htm>, Japan Partnership for Circular Economy, URL: <https://j4ce.env.go.jp/en/about>

Source: Nippon Koei (2022)

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Vietnamese policies and laws related to circular economy development

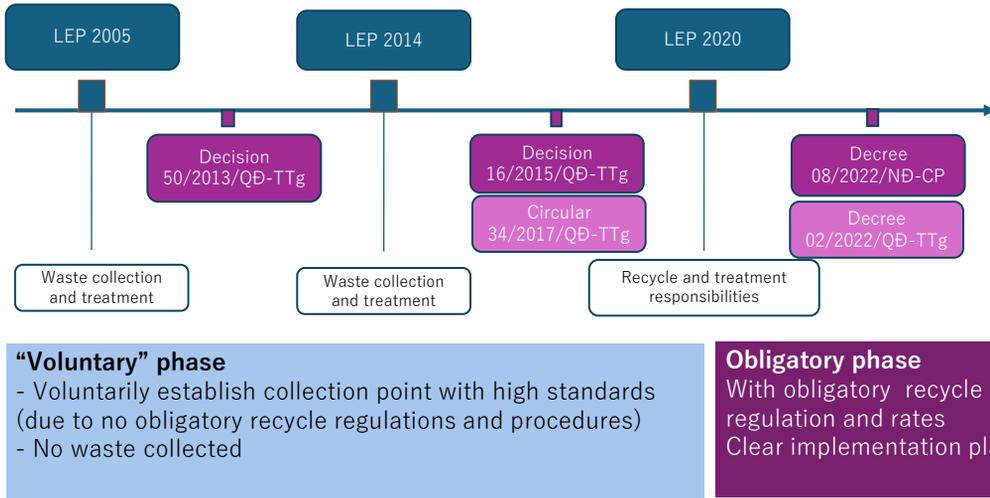
Source: MONRE-ISPONRE



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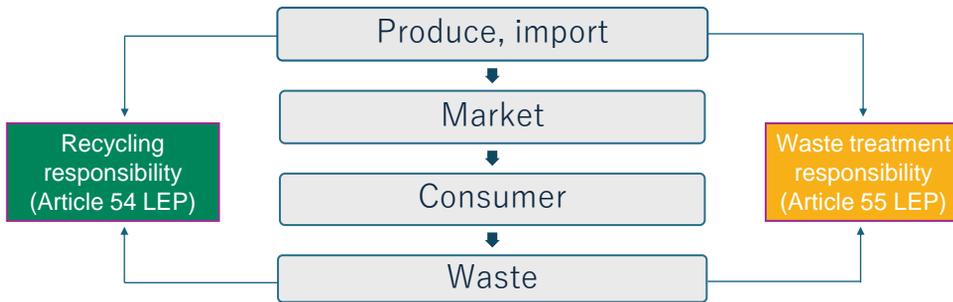
EPR has been implemented for more than 15 years;
however, the efficiency is still limited due to the voluntary mechanism



Source: MONRE-EPR Office

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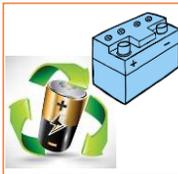
EXTENDED PRODUCER RESPONSIBILITY (EPR) ACCORDING TO THE LAW ON ENVIRONMENTAL PROTECTION



Source: MONRE-EPR Office

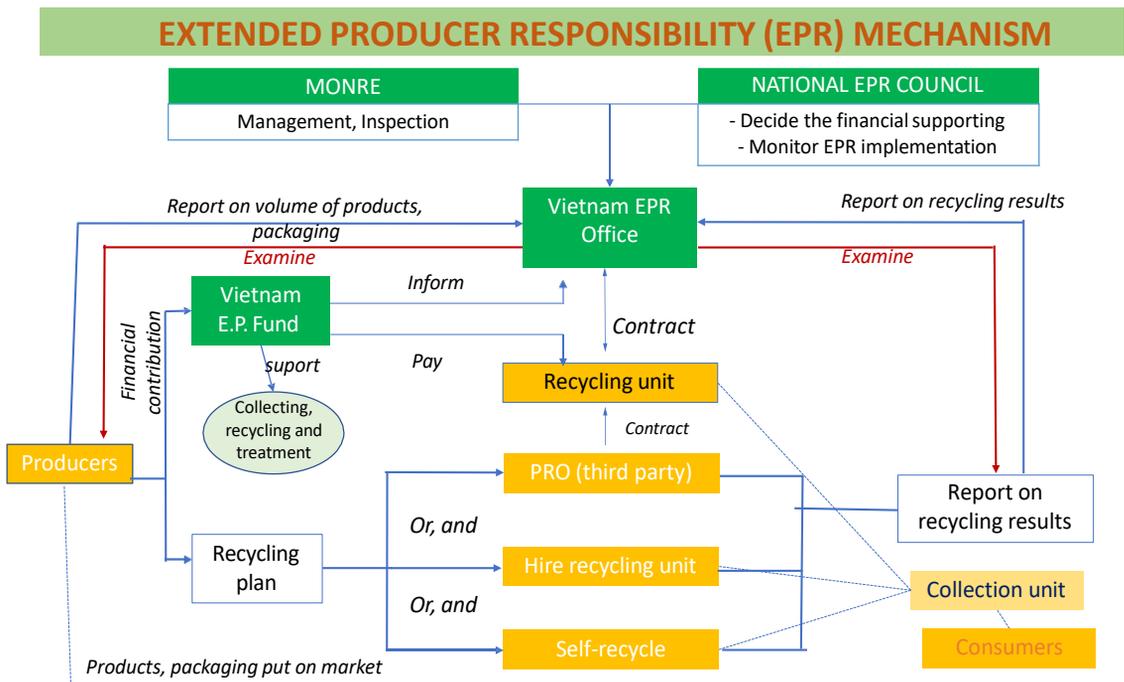
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ENTITIES AND ROADMAP

					
Packaging	Batteries, Accumulator	Lubricating oil	Tires	WEEEs	Vehicles
Certain packaging	All	All	All	All	All
1/1/2024	1/1/2024	1/1/2024	1/1/2024	1/1/2025	1/1/2027

Source: MONRE-EPR Office

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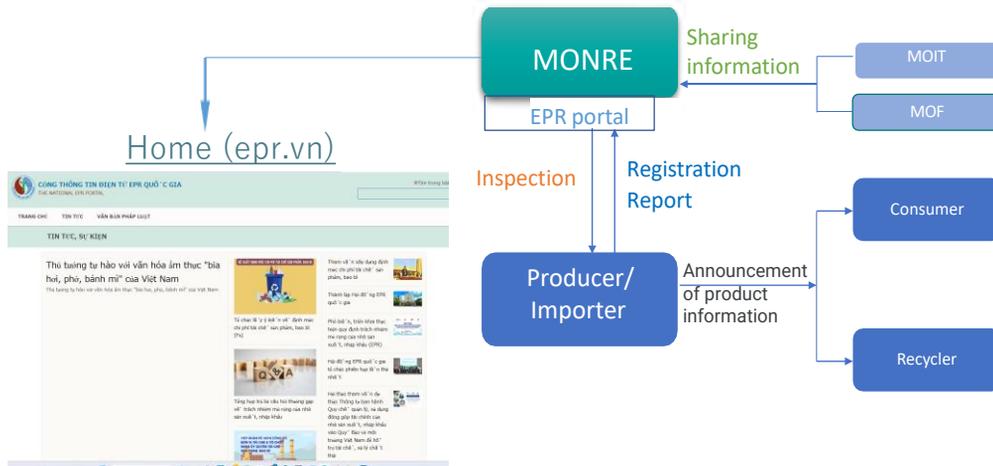
PRO: Packaging Recycling Organization

Source: MONRE-EPR Office

DLA

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Information management – EPR case-



Source: MONRE-EPR Office

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How we act these activities?

#To share and disclose information based on CE policy

#To construct a working group to monitor the CE

#Regular meetings among stakeholders/actors

#To develop a CE environmental report

#To do trial CE system development (Ex. Plastic trial, E-Waste Management)

Key Points : Various Actors Trial Cooperation and Coordination

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Thank you for your attention

To be continued the presentation by
“FUJIFILM Business Innovation Corp.”