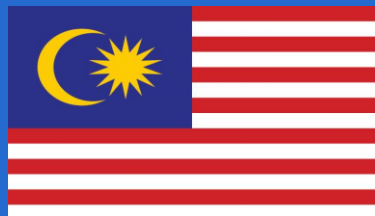


EPR

EXTENDED PRODUCER RESPONSIBILITY

19 OCTOBER 2022

14:00-17:00 (GMT+7)



**Rethinking Extended
Producer Responsibility
from the Perspective of
Circular Economy**

Engr. Soon Hun Yang

*ISWA International Waste Manager
(International Status)*

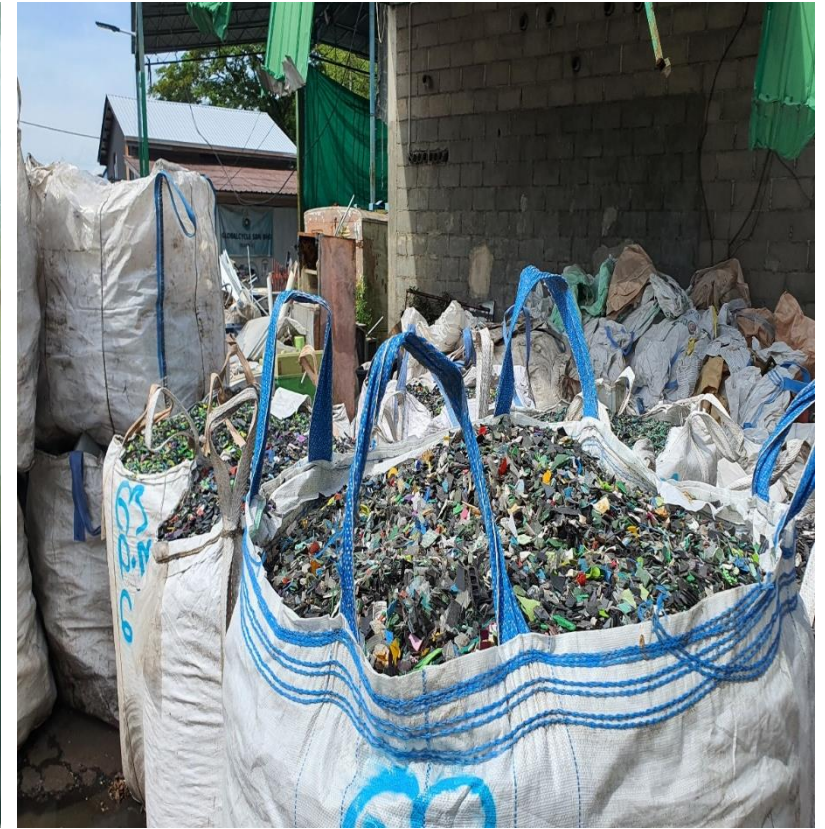
Chief Executive Officer

Most waste ends up **HERE** in
Landfills and **Dumpsites**



Inconvenient "Resources"





Full Resource Recovery Opportunities Yet to be Explored



MALAYSIA PLASTICS SUSTAINABILITY ROADMAP 2021 - 2030

Catalysing Sustainability and Circularity towards A New Plastics Economy



EPR and Circular Economy Policies and Roadmap in Malaysia

- Promotion of Reduce, Reuse and Recycle (3R) since 2000
- Policies and Road Maps to implement EPR and Circular Economy abundant (maybe too many!)
- EPR for packaging waste is explicitly covered under the Plastic Sustainability Roadmap 2021-2030
- Latest roadmap – Circular Economy Solid Waste Management Blueprint (on-going)

EPR and Circular Economy Experiences in Malaysia

Scrap Tyres

- EPR based (product levy) system introduced for used tyres (Sarawak) back in 2006

Household E-Waste

- Pilot projects on household e-waste collection and recycling carried out in Penang in 2014
- Malaysian government has drafted a new regulation on household e-waste, which is currently under review by the Attorney General's Chambers.
- The draft regulation have adopted the concept of EPR and shared responsibility among stakeholders to ensure that all the stakeholders play their role in managing the e-waste produced.

Post Consumer Packaging Waste

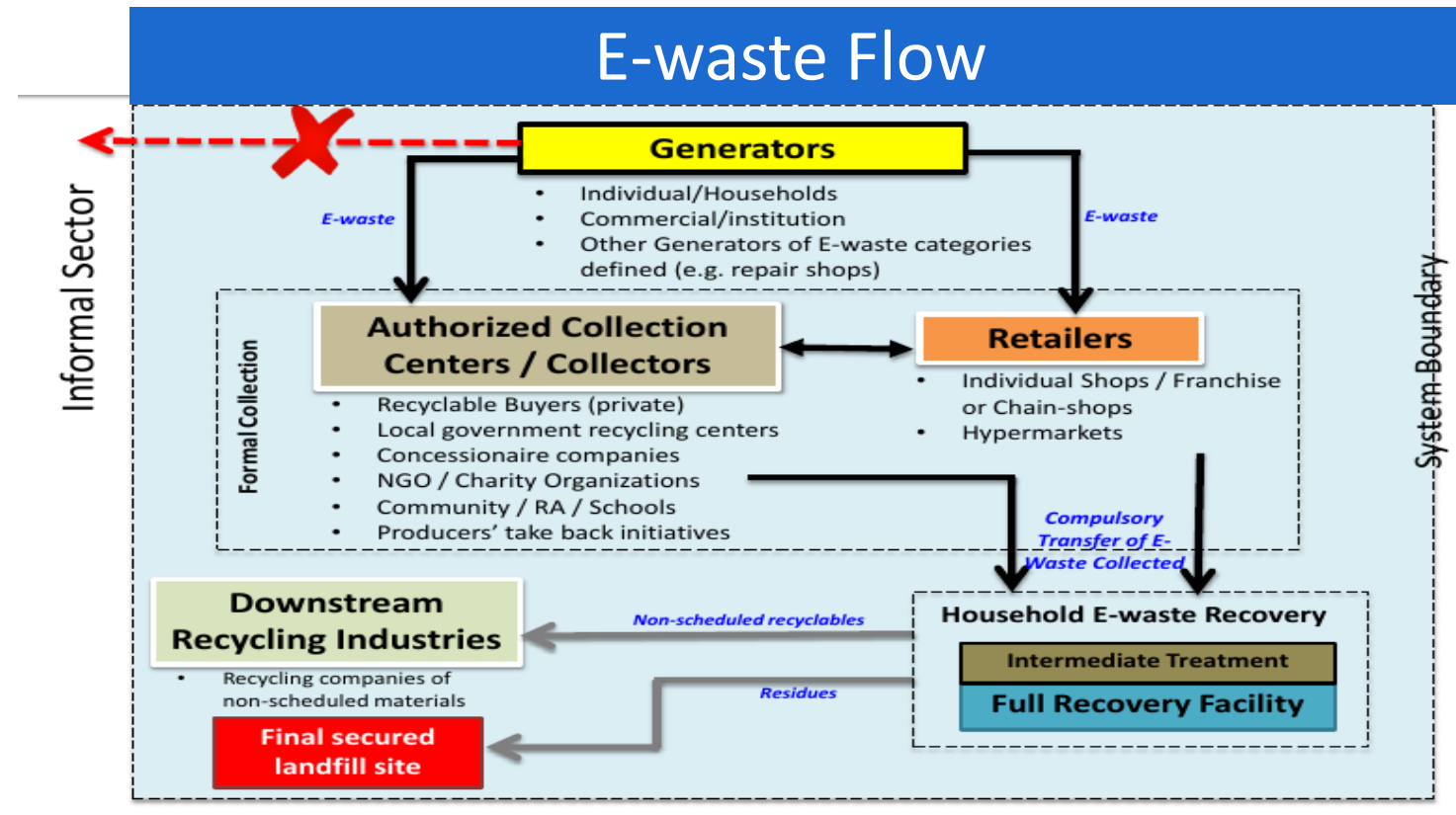
- Packaging waste initiatives driven by industrial led group e.g. MAREA starting with pilot projects
- Target to implement EPR for Packaging Waste in 2025
- Pilot projects on EPR in Langkawi to kick off



Scrap Tyres Collection & Recycling in Sarawak Malaysia

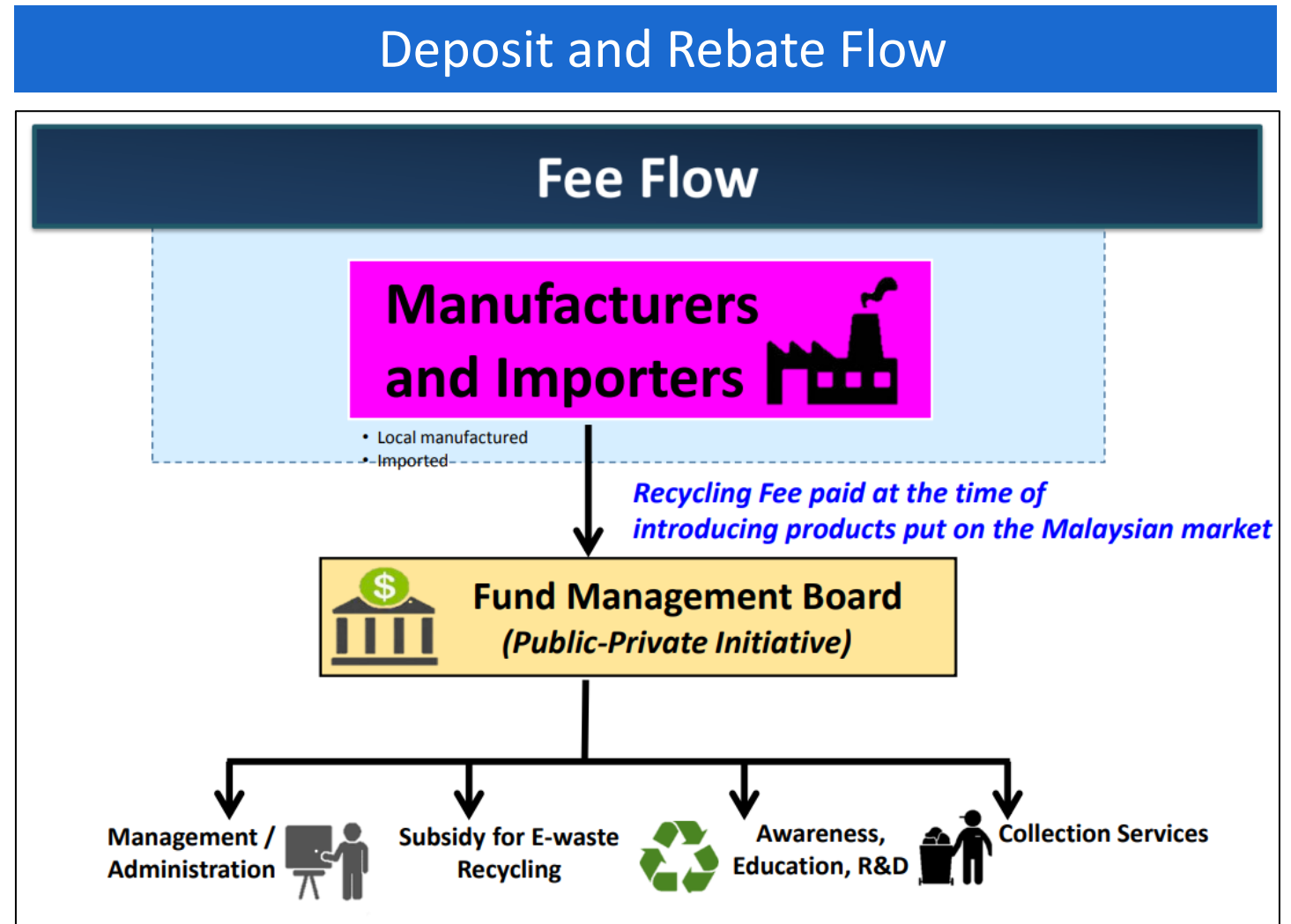
Household E-Waste EPR

- Technical supported by Japanese International Corporation Agency
- Implemented by Department of Environment Malaysia



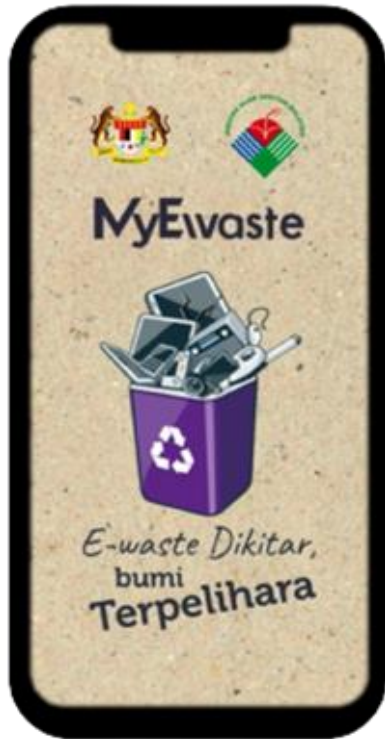
Source:
Department of Environment (DOE) 2018: Fee and Subsidy for
Scheduled E-waste Management in Malaysia

Proposed Financial Flows for E-Waste EPR



Source:

DOE-JICA 2018 : The Project for Development of Mechanism for Household E-Waste Management in Malaysia (Phase 2)



MyEwaste is an application on e-waste management developed by DOE in 2021.

MyEwaste aims to facilitate public in providing information, assist in sending their e-waste and identify the nearest collection centers.



The Environment and Water Ministry has announced that the last Saturday of each month be designated as e-waste collection day nationwide, beginning January 2021.



Source: Department of Environment 2022: Household E-Waste Website

Current Framework and Initiatives

Packaging Waste

- Leading Fast-Moving Consumer Goods (FMCG) brand owners set up alliance known as MAREA (Malaysia Recycling Alliance) in 2021
- Pilot EPR scheme in Langkawi Island in cooperation with Government of Malaysia
- Focusing on post consumer packaging waste only
- Alignment among key stakeholders a key challenge



Source: MAREA Website (accessed 15 Oct 2022)

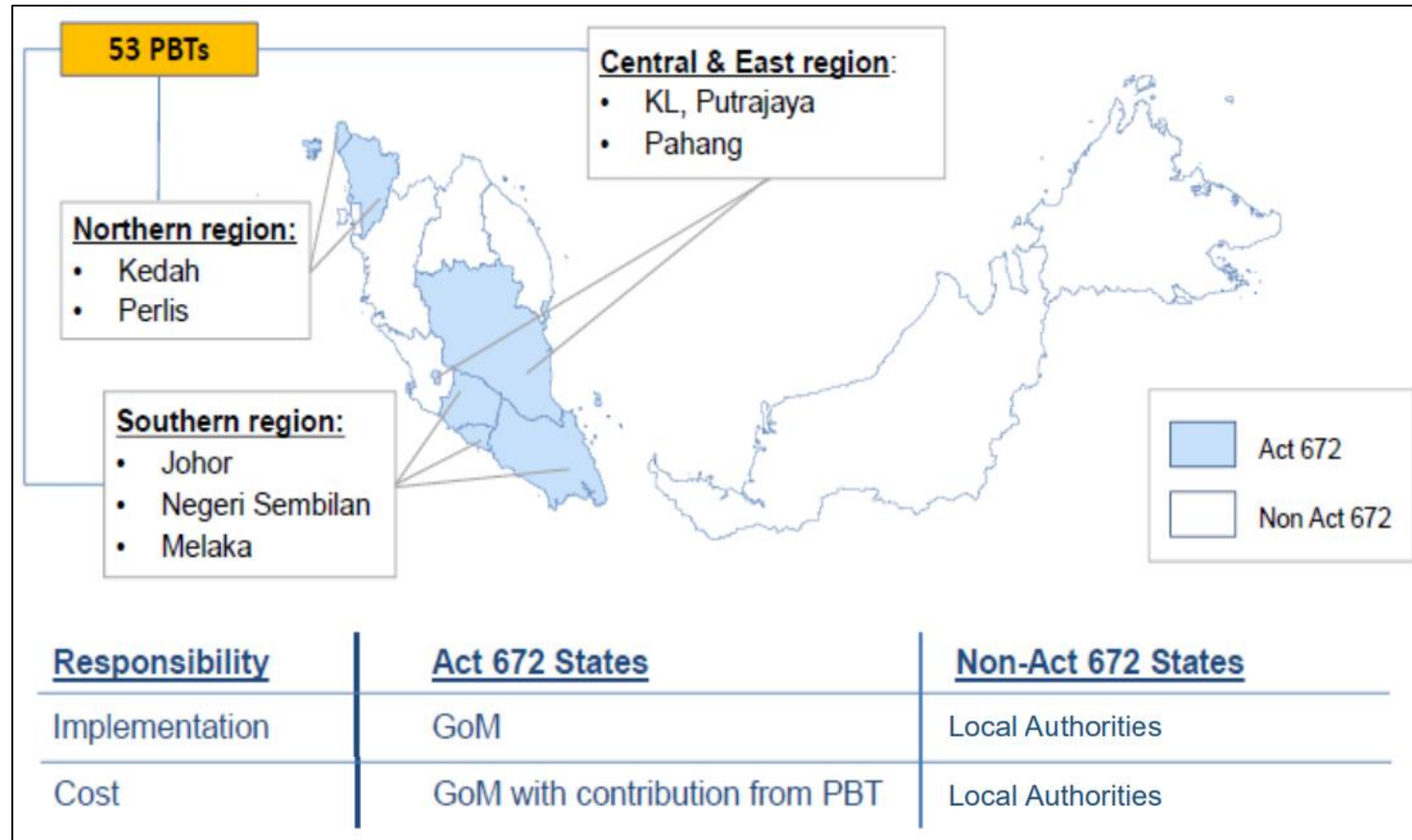
Key Challenges for EPR in Malaysia (My View)

- Fragmented regulations and institutional structure on solid waste – confusing and not coherent
- Infrastructure (including recycling ecosystems for low value and non-recyclables) for recovery not in place
- Lack of capacity (knowledge and skills)
- Willingness of producers to commit (still voluntary)
- Need to integrate informal sectors
- Focus on collection only – lack of effort in product design, recycling technologies not in place
- “Competition” among brand owners and PRO!
- Public attitude and participation



Source: Dr. Theng Lee Choong

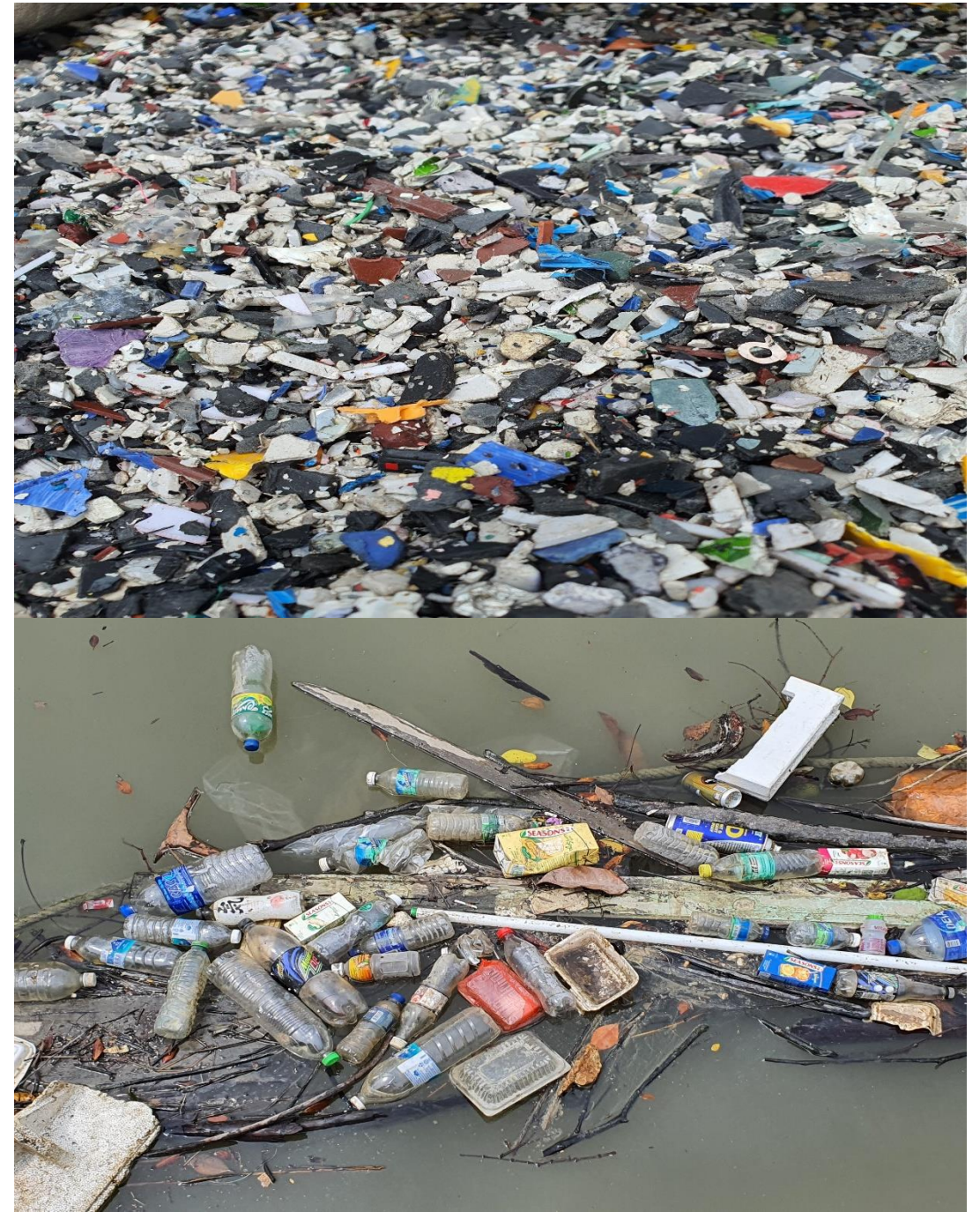
Fragmented Laws and Responsibilities



Source: Own Illustration (2022)

How About Circularity?

- Too much focus on collection effort but not the downstream value chain
- No solutions for low value or economically not feasible recyclable packaging e.g. multilayers, laminates, rejects from recycling processes
- Currently dumped to landfill or ended up in waterways
- In need of a holistic recycling ecosystem – requires participation of e.g. energy recovery industries, new recycling technologies



Way Forward for EPR in Malaysia (My View)

- Government to establish EPR regulations and mechanism
- Stakeholders responsibilities to be detailed out clearly
- Recycling infrastructure to be established and managed
- Urgent capacity building and technical support required
- Secure producers/brand owners commitment – mutual agreement on fees and responsibilities
- Learn from pilot projects and scale up accordingly
- More focus on cradle to cradle solutions rather than just collection





Thank you!
Terima Kasih!

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