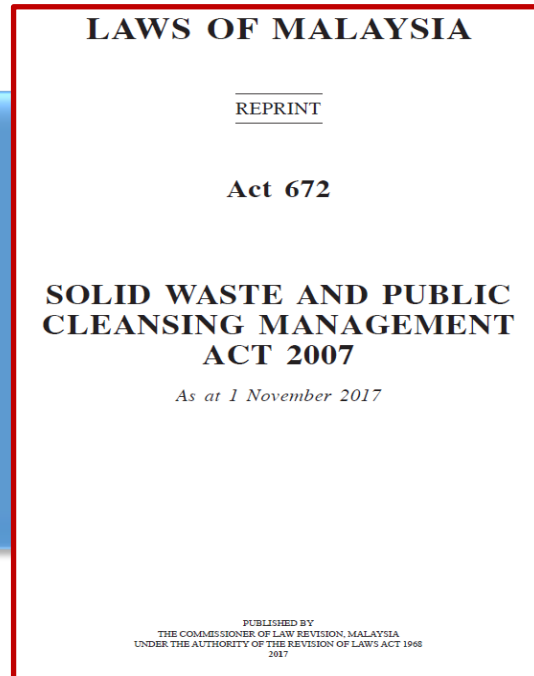




MALAYSIA: TOWARDS THE IMPLEMENTATION OF EXTENDED PRODUCER RESPONSIBILITY

Eng. ZULKIFLI BIN TAMBY CHIK
Deputy Chief Executive Officer (Technical)
Solid Waste and Public Cleansing Management Corporation
(SWCorp)
Ministry of Housing and Local Government (MHLG)

SOLID WASTE AND PUBLIC CLEANSING MANAGEMENT ACT 2007



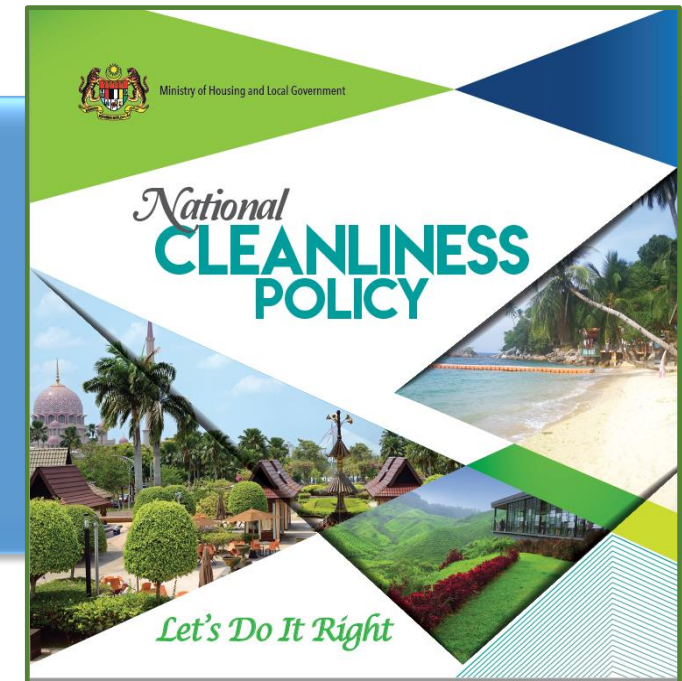
Executive powers to the
Federal Government to
manage solid waste and public
cleansing

TWELFTH MALAYSIA PLAN 2021 - 2025



Accelerating circular economy
and implement EPR in
Malaysia

NATIONAL CLEANLINESS POLICY



Transform Malaysia into a clean
and sustainable nation

- **Cost of waste management increasing every year (USD 450m)**
- **Negative impact to environment and quality of life**
- **Scarce of land and shorter lifespan of landfills**
- **Depletion of natural resources**
- **New direction from government to transform linear economy to circular economy**
- **Malaysia commitment to achieve net-zero greenhouse gas (GHG) emissions**





The selection of Langkawi Island is because of its geographical location as an island that ease the monitoring of the value chain of a product. Langkawi also known as among the world's best ecotourism islands and receive a huge number of tourist yearly.



Population = **85,000**



Population density = **209 people/km²**



Area wide = **526 km²**



Waste generation = **100 tpd**



Number of tourist = **4 mil (2019)**



Waste Management Facilities = **Incinerator and Landfill**

1. The aim of this project is to find the **best mechanism for the implementation** of EPR in Malaysia
2. Project duration is **15 months** starting June 2022 until August 2023.and include **all categories of post-consumer packaging products**
3. **KPKT and MAREA are collaborating together to implement the pilot project.**
4. **This pilot project also involved various agencies:**
 - SWCorp
 - Waste management concessionaire E-Idaman
 - Langkawi Municipal Council Tourism City
 - Federation of Malaysian Consumers Association (FOMCA)
 - Royal Malaysian Customs Department (Customs)
 - Langkawi Development Authority (LADA)
 - GIZ (funded by German Federal Ministry)
 - Recyclers
 - Local residents





Malaysian Recycling Alliance is an association established to enhance the country's recycling value chain and circular economy. MAREA consist of twelve industry players as main contributors

Roles for this project:

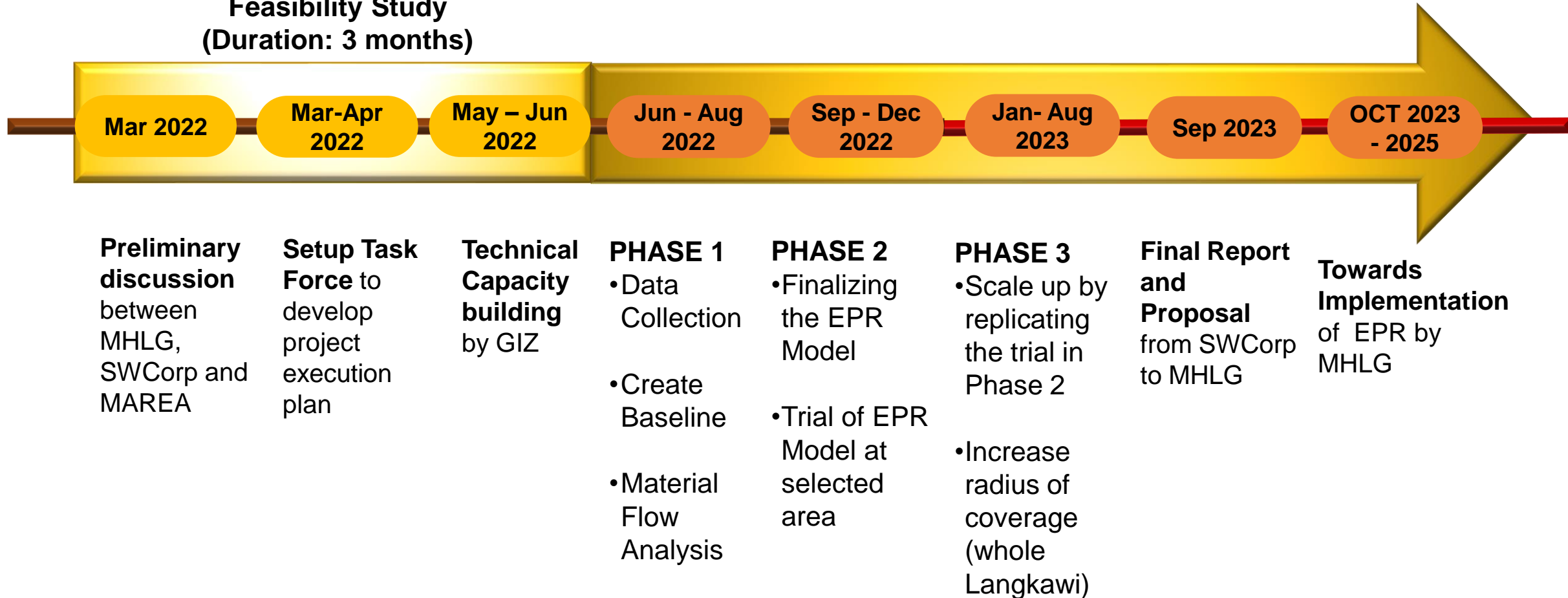
- Funding support
- Co-partner in term of planning and execution
- Data collection and survey
- Communication, Education and Public Awareness

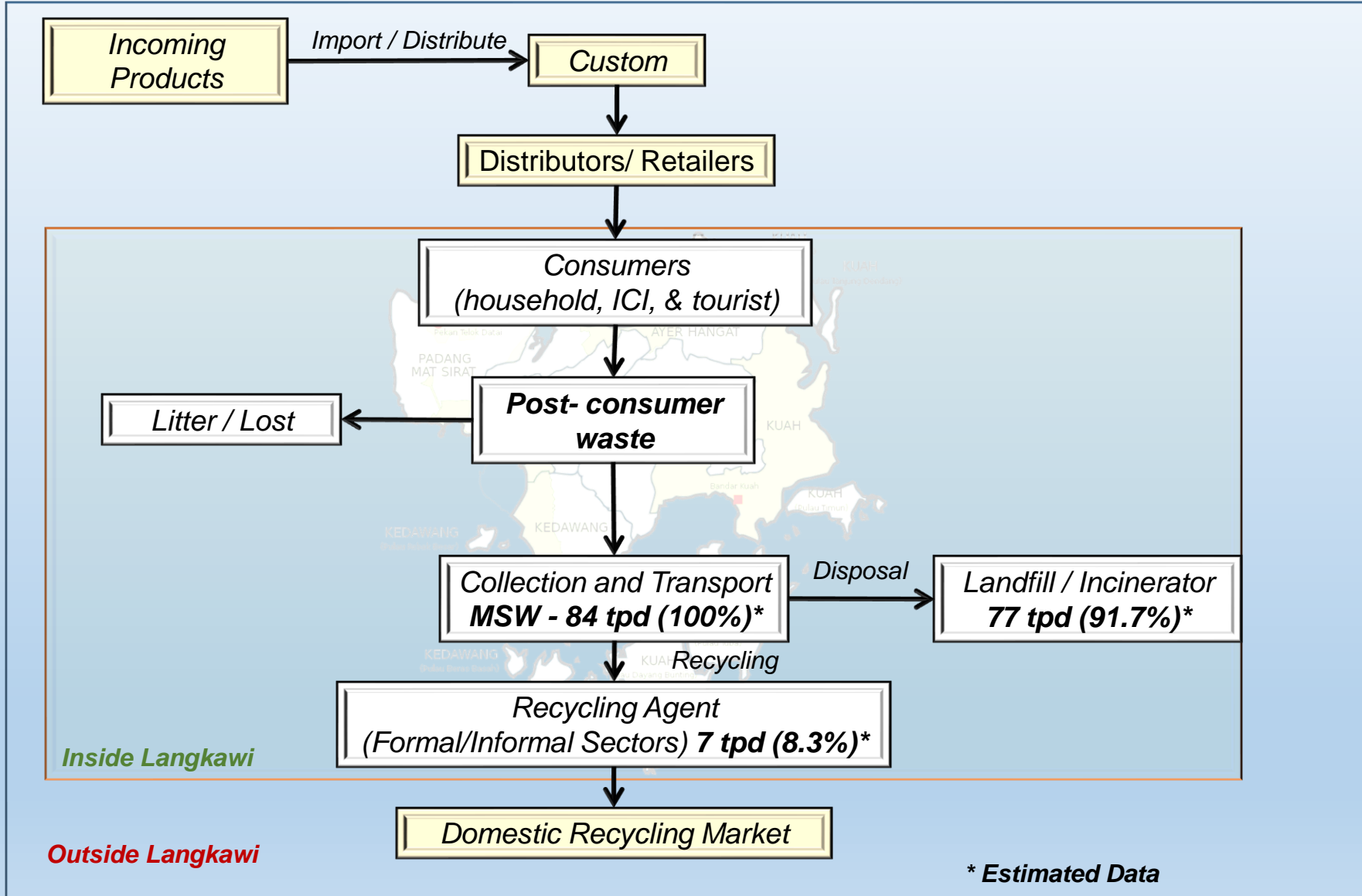
Main Contributors

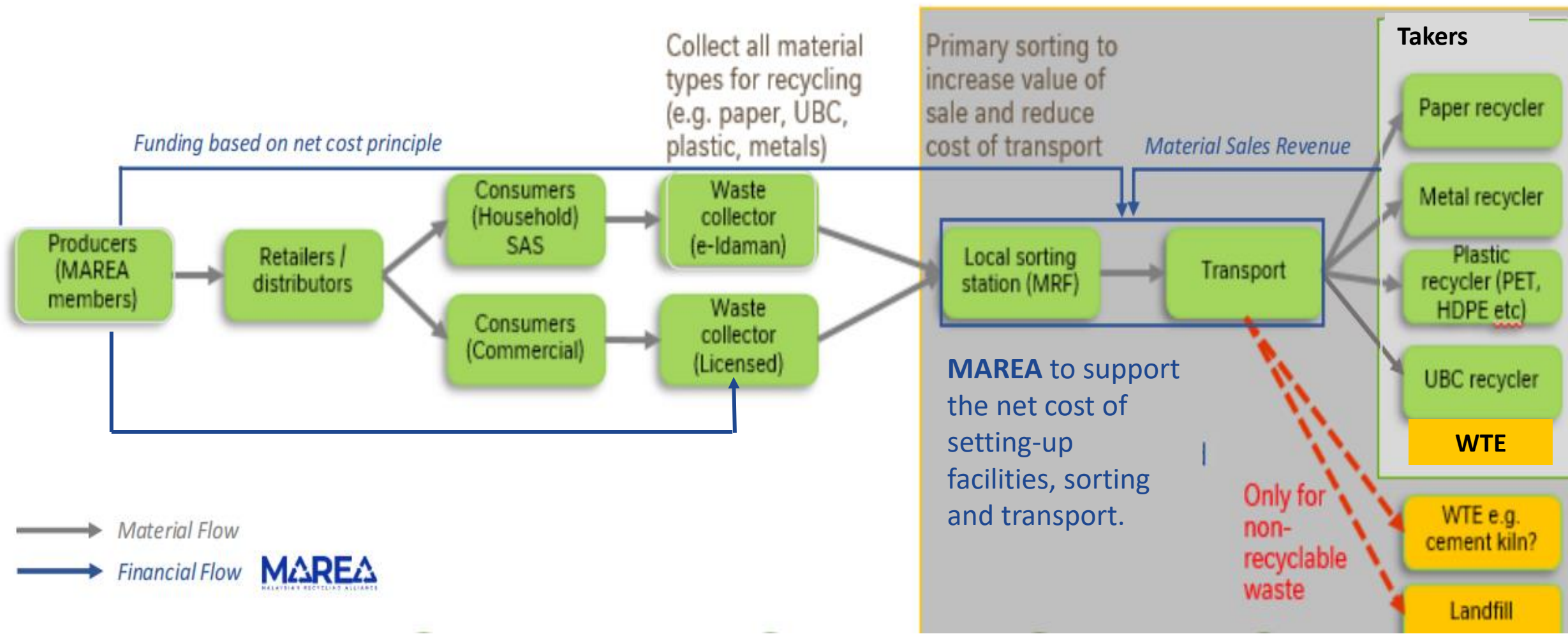


Duration: 15 Months

Feasibility Study (Duration: 3 months)







→ Material Flow

→ Financial Flow



Surveys Conducted



1. Travellers



2. Households



3. Commercial & Institutions



4. Recycling Agents (Aggregators)

Waste composition study at incinerator

Set-up sampling area



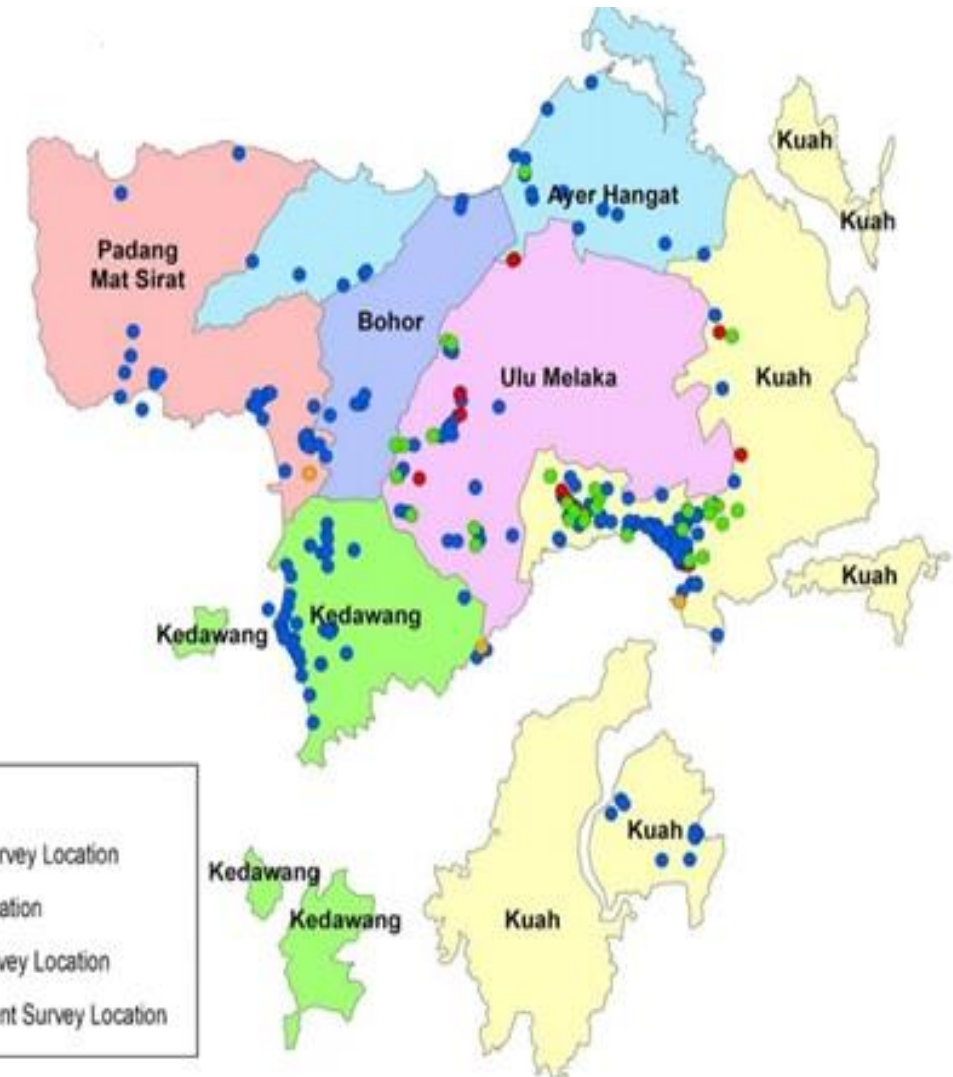
Sample received from collection truck

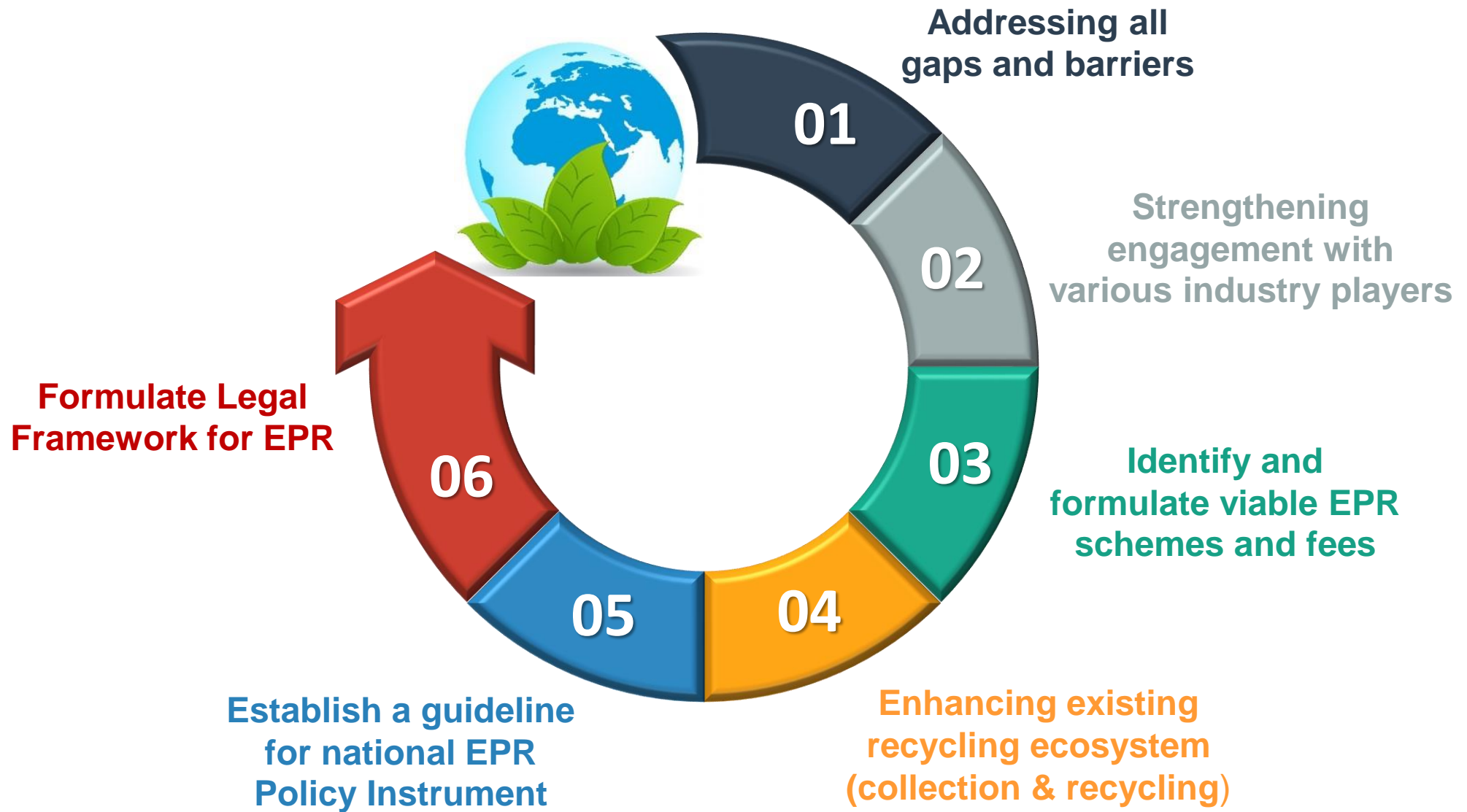


Weight recorded in data sheet



Waste segregated for each sub-category







Stakeholder engagement from respective sectors and have a common understanding of EPR Implementation

Implement initial voluntary EPR by 2025 and towards mandatory regulation

Establish Legal Framework for EPR and Producer Responsibility Organization (PRO)

Utilize a variety of strategies to boost the value chain and recycling industry

Cooperate with businesses to explore EPR initiatives for low value waste and encourage Industry-driven initiatives



Thank You

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