



# E-WASTE MANAGEMENT IN ASEAN: A COMPARATIVE ANALYSIS AND REVIEW

Team 1

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# AGENDA

**01 Introduction**

**02 Literature Review**

**03 Research Method & Methodology**

**04 Policy Analysis**

**05 Policy Recommendation**

**06 Conclusion**

# Introduction



# Literature Review

## Objective

to **explore e-waste** as an entry point for circular economy in ASEAN



## Municipal Waste & E-Waste Statistic (Unit: kg/person/day)

Brunei (1.4)  
Malaysia (1.17)  
Philippines (0.69)  
Timor Leste ( 0.79 )

## Questions

1. What is the **Regional Outlook** of e-waste management in ASEAN?
2. How **existing policies** of e-waste can be used as **an entry point** to circular economy?

# Research Methodology & Method

## Objectives & Questions

To **explore e-waste** as an entry point to **circular economy**

## Policy Tools

1. PESTEL
2. Problem Characterization



## Baseline Data

- Waste Statistic
- Existing policies

## Evidence

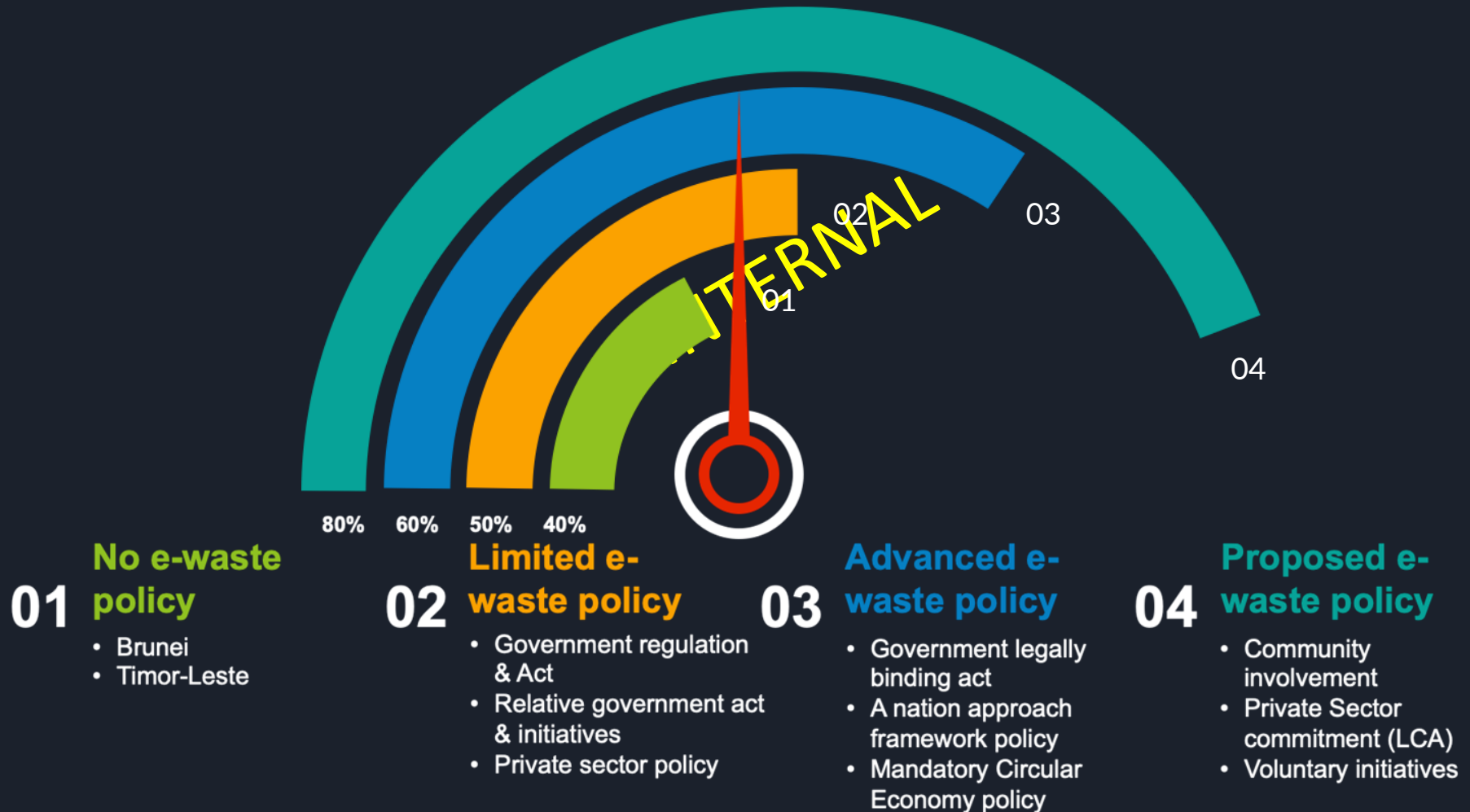
Comparative Analysis

## Active Participation

Policy options for mitigation

INTERVIEW

# Policy Analysis - Problem Characterization Analysis



# Policy Analysis



## POLICY

The countries have the political will to engage in e-waste management through the established legal frameworks. Management decentralizations



## ECONOMY

Limited Facilities, no broad market, barriers in recycling, and economic feasibility is questionable



## SOCIAL

There is a need to promote awareness and education outreach



## TECHNOLOGY

No technology to some available technology. Human resource is being a priority to increase the processing capability in respective nations.



## ENVIRONMENT

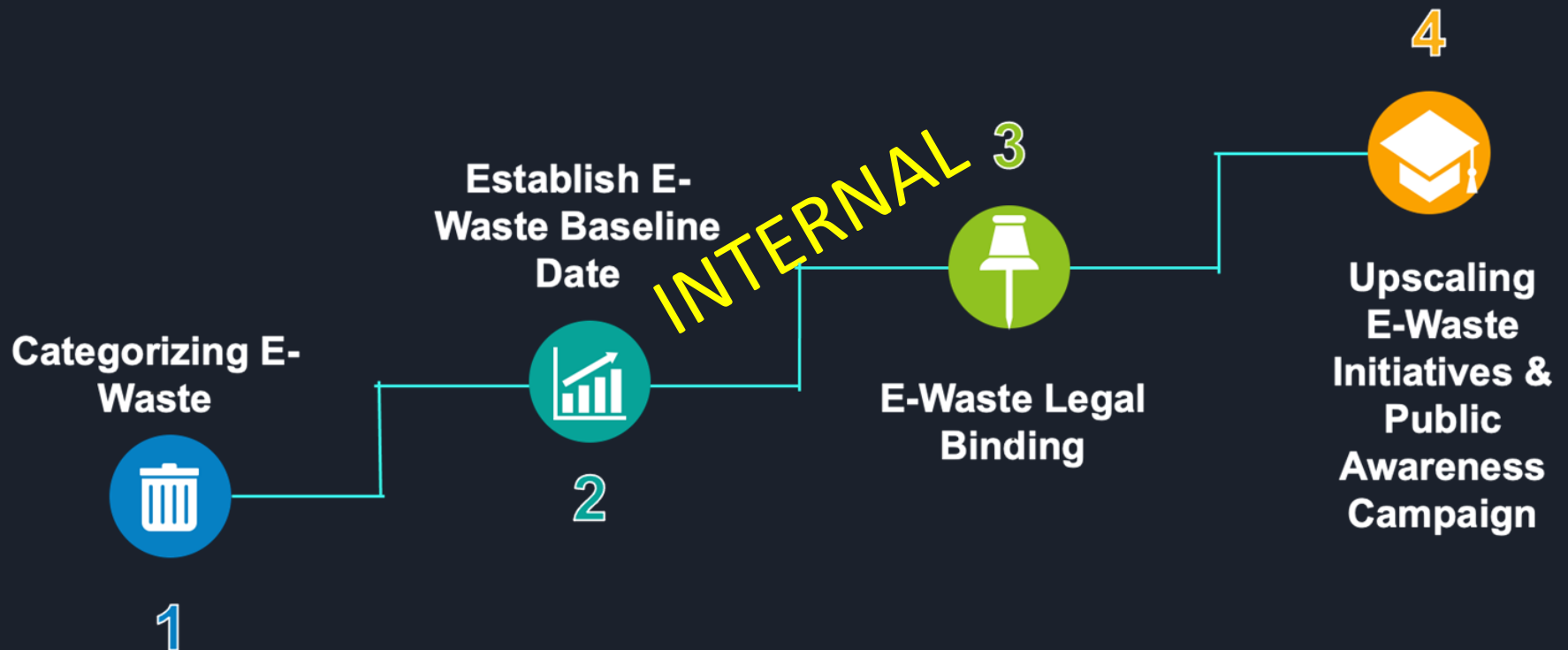
Exponential growth in E-waste generation, simultaneous with technological improvements



## LEGAL

All four (4) countries have Legal instruments established. Though, the enforcement needs to be enhanced

# Policy Recommendations





# Conclusion





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