



SEVENTH REGIONAL 3Rs FORUM IN ASIA AND THE PACIFIC : MALAYSIAN ACHIEVEMENTS

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MALAYSIA

BACKGROUND

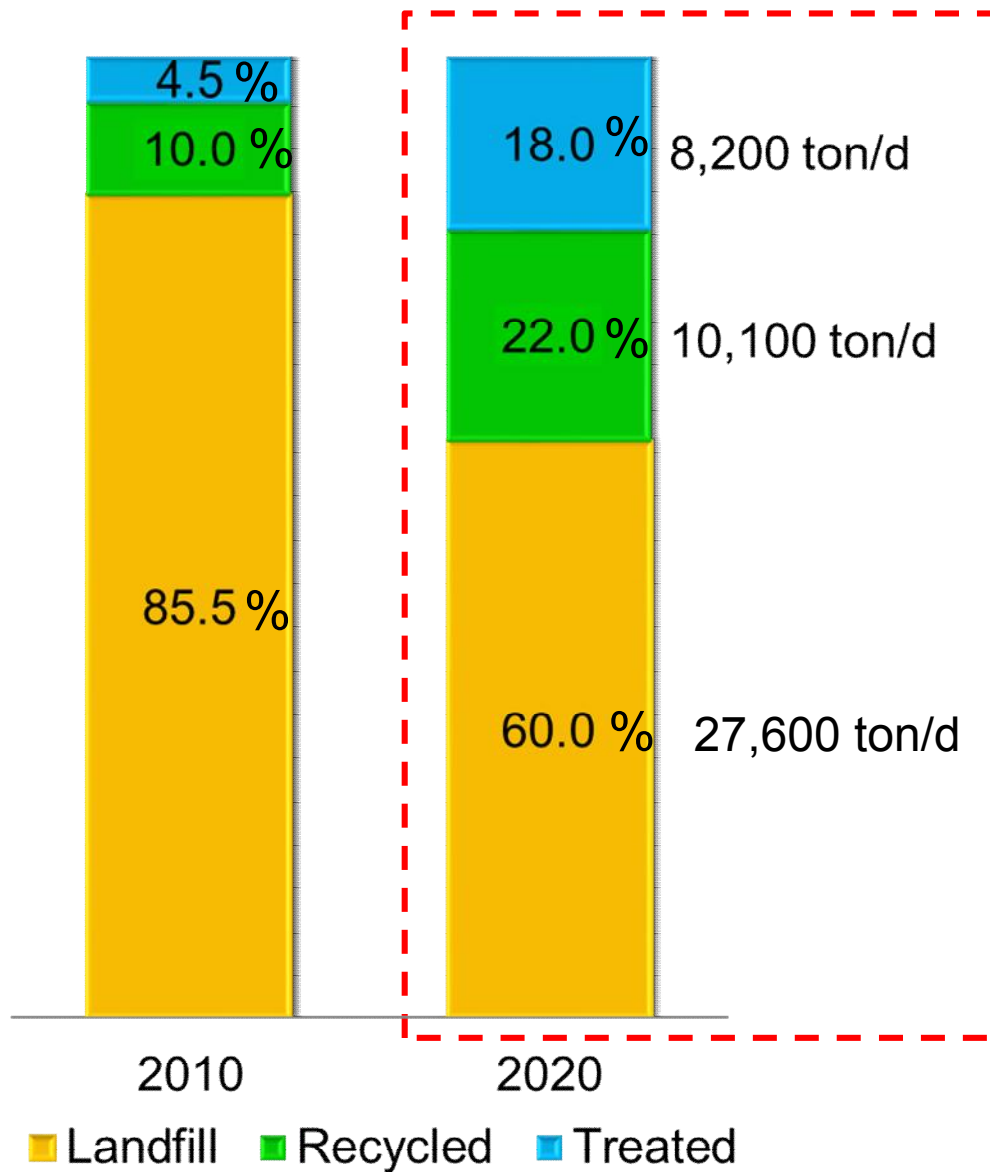


Malaysia is a country in Southeast Asia, located partly on a Peninsular of the Asian mainland and partly on the northern third of the island of Borneo



Capital : KUALA LUMPUR
Area : 330,803 kilometres²
Population : 30.57 million
GDP : USD 296.22 billion (2015)
Currency : Ringgit

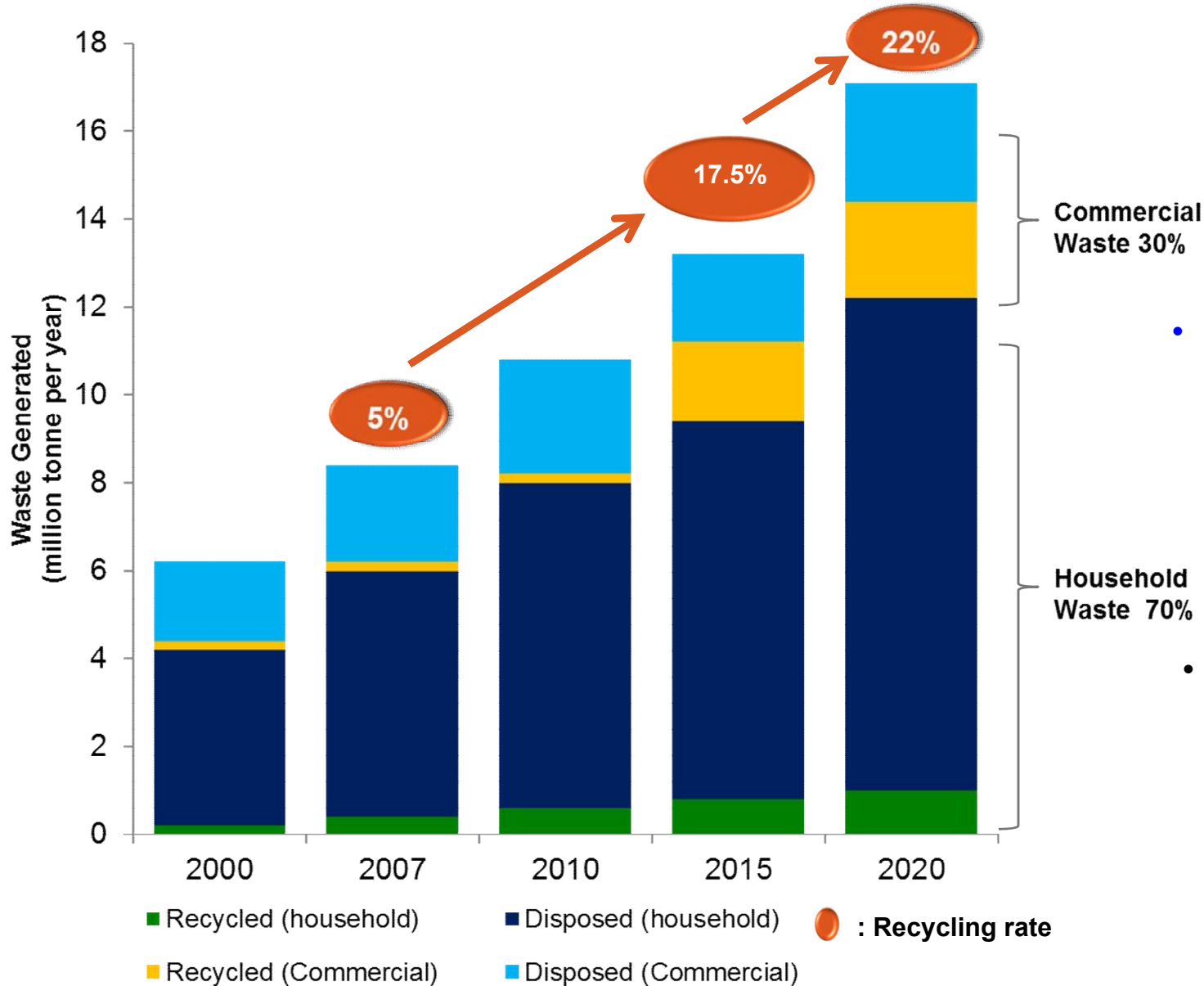
TARGET: 40% LANDFILL DIVERSION



- **16.76 million tonne** of waste expected to be generated by Malaysian in the year **2020**
- **40%** reduction of waste disposed to landfill by year 2020, through:
 - **22%** Recycling
 - **18%** Intermediate treatment such as Waste to Energy (WtE), Composting and Material Recovery

STATUS: RECYCLING RATE

Household and Commercial Solid Waste Generation



- **16.76 million tonne** of waste is expected to be generated by Malaysian in the year **2020**
- Estimated **45,900 tonne/day** in the year 2020

RECENT ACIEVEMENT : SEPARATION AT SOURCE

Mandatory since 1 September 2015

Enforced since 1 Jun 2016



CHALLENGES

Institutional & Governance

- The only country privatize and federalize SWM & Public Cleansing Services nationwide to standardize service level
- Multiple agencies in managing waste create coordination issues

Huge Cost of Managing SWM

- Privatization is heavily subsidized by Federal Govt.

Lack Public Awareness

- Raising awareness on recycling
- Public participation on recycling is still low

Inadequate Facilities

- Lack of new SW facilities, sanitary landfills
- Most landfills operate without proper protective measures

Environmental Impacts

- Common method : Landfills & open dumping
- Open dumping lead to severe environment impacts: soil & groundwater contamination, air pollution & release of methane gas

MALAYSIA



TOWARDS A CLEAN AND SUSTAINABLE NATION

**THANK YOU
TERIMA KASIH**