



**Asia-Pacific
Economic Cooperation**

2020/SOM1/PPSTI/029

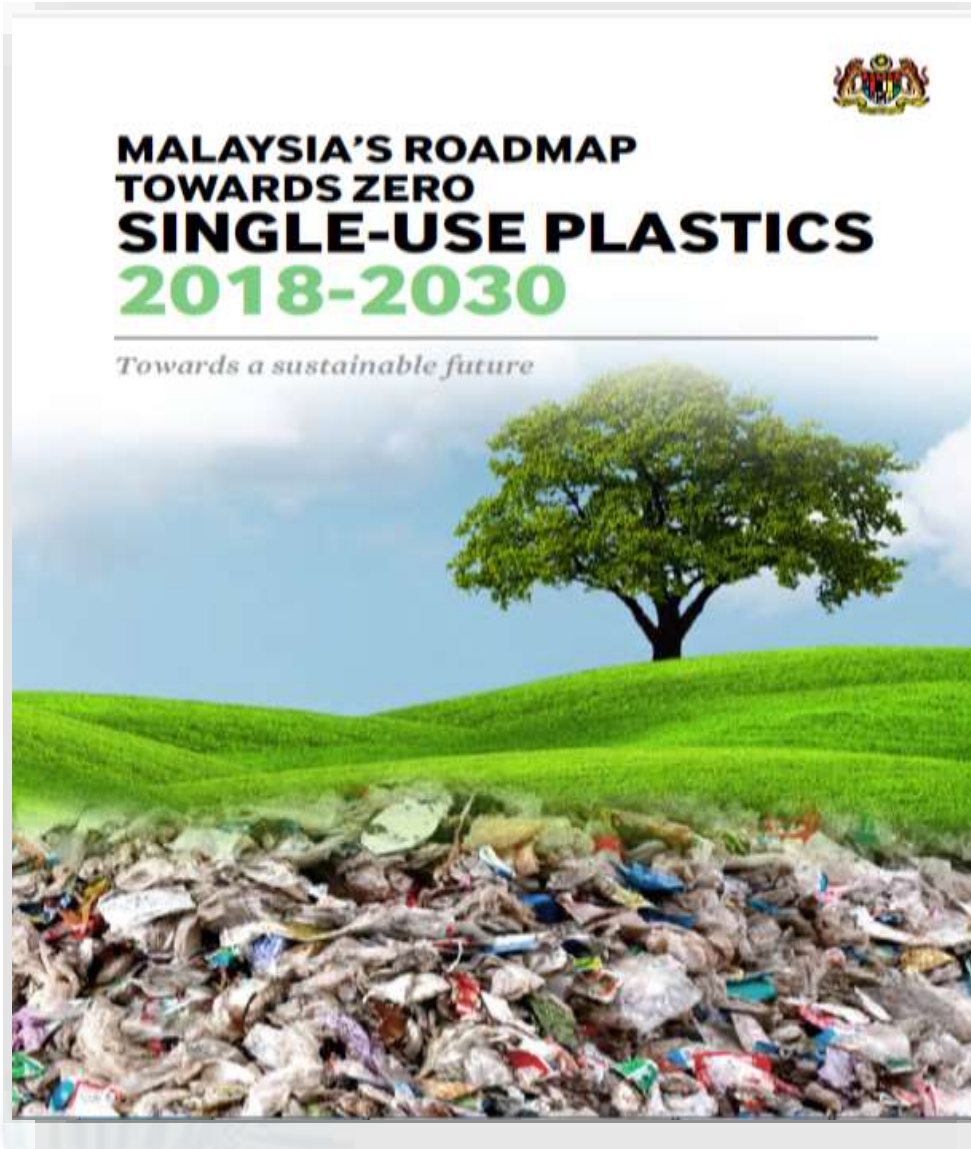
Agenda Item: 15d / Parallel 3

Circular Economy Roadmap - Malaysia's Practice

Purpose: Information
Submitted by: Malaysia



**15th Policy Partnership on Science,
Technology and Innovation Meeting
Putrajaya, Malaysia
13-14 February 2020**



CIRCULAR ECONOMY ROADMAP – MALAYSIA'S PRACTISE

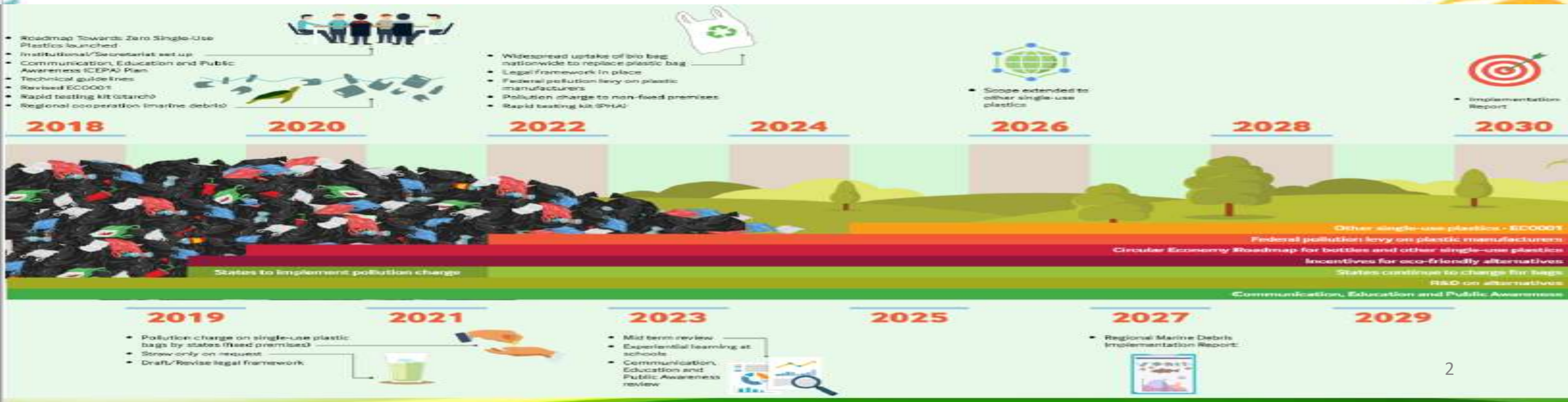


VISION

“Towards zero single-use plastics for a cleaner and healthier environment in Malaysia by 2030”

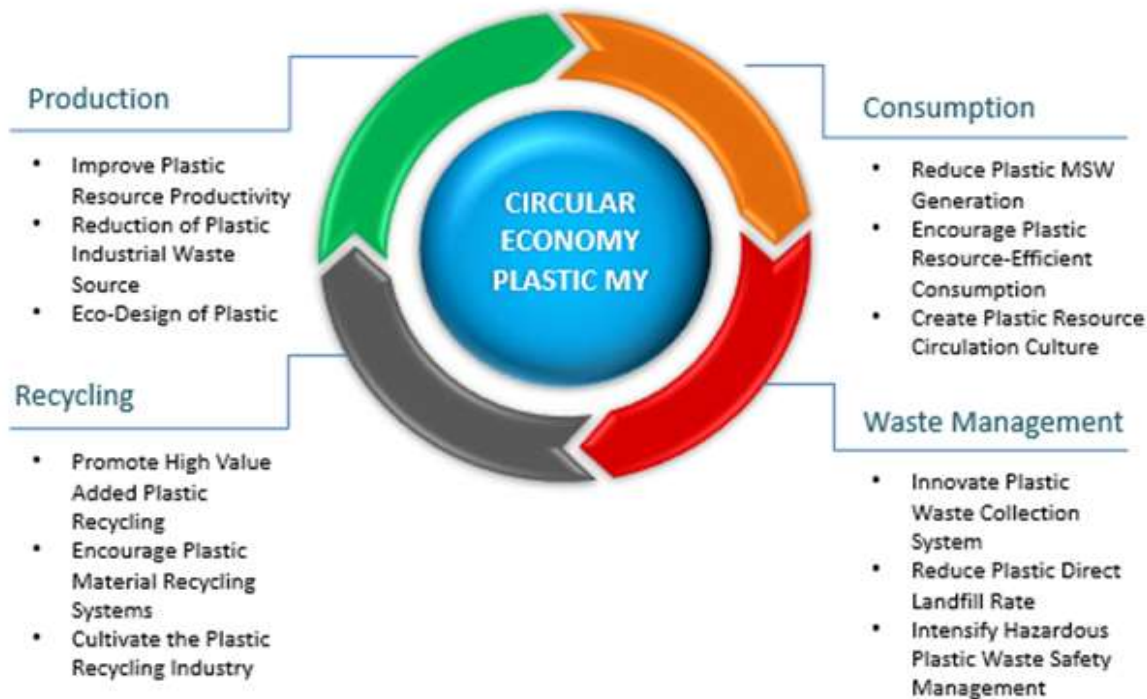
IMPLEMENTATION

Phased- approach



What is Circular Economy?

Circular Economy Plastic Roadmap Malaysia



➤ The **linear methods** of production and consumption are **unsustainable** for our planet, which model of “produce, use, dispose” is wasteful by design.

➤ **Circular Economy** is a model of production, consumption, waste management, which involves sharing, leasing, reusing, repairing, refurbishing and recycling existing materials and products **as long as possible**.

➤ In this way, the **life cycle of products** is **extended**.

➤ It implies **reducing waste** to a minimum.

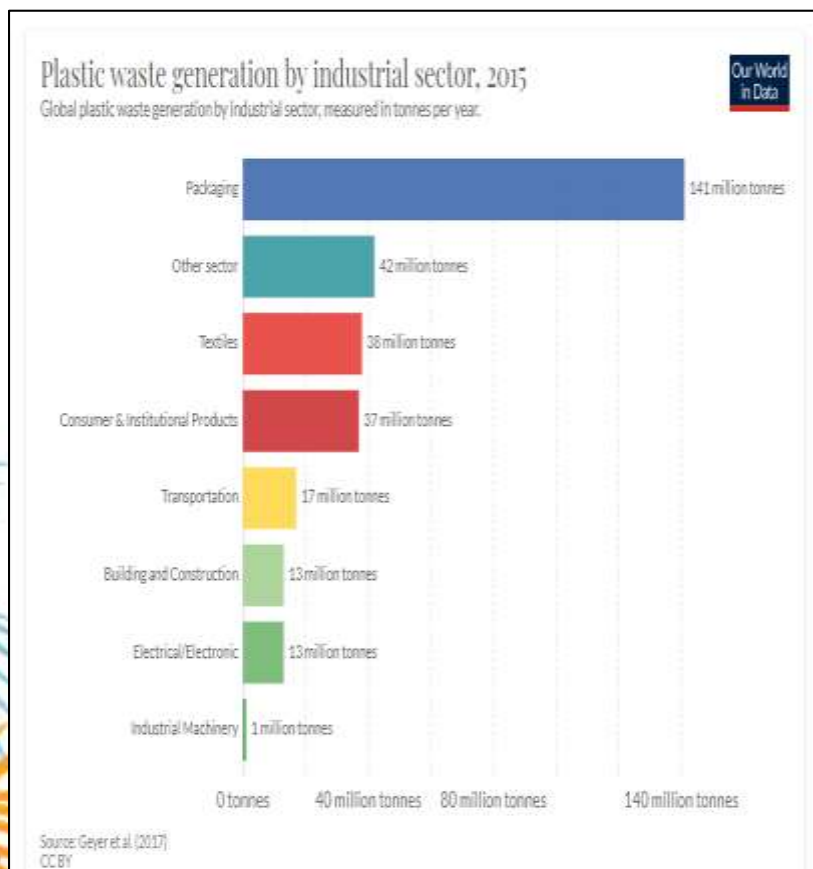
Why we need CER?

Business opportunities –

CE - part of the solutions; has environmental and economic rationale

products and materials keep **circulating** in a high value state of use, through supply chains, for as long as possible

offers new ways to mitigate risks to allow businesses **to grow** and **diversify**



Positive Impact

Reduced pressures on the environment

Increase competitiveness

Innovation

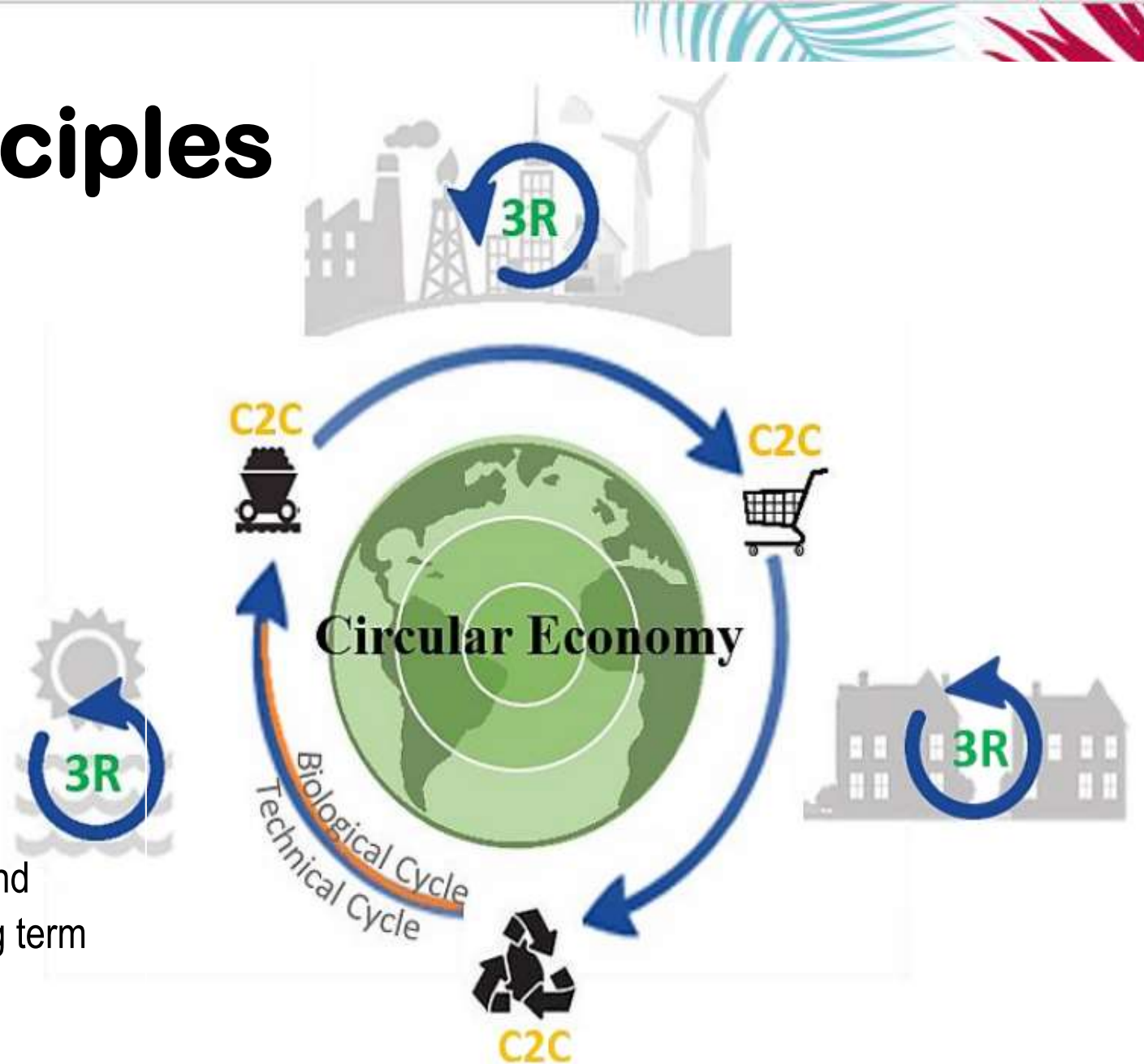
New green industries and job creation

How does CER work



The Key Principles

- **3R** 'reduction, reuse, recycle' principle,
 - low consumption
 - low emission
 - high efficiency
- **Cradle to Cradle** tenets or "C2C",
as catalyzers and guidelines to design goods and
services - reintroduced in the system in the long term
as biological or technical resources



Malaysia's Plastics CER

GOALS & KPI

Taking into account the aspect of economic, social and environment.
Strategy to create synergies between economic and environmental goals

Malaysia's Plastics CER

KEY STRATEGY & APPROACH

- Multi governance or inter ministry collaboration and micro level collaboration in implementing the circular economy as a new industrial paradigm
- Spreading visionary and practical practices in the improvements of waste management and recycling
- Changing the end-of-pipe approach to waste management
- Smart regulation
- Application of CE on a city scale, creating 'smart cities' which are needed in the face of rapid urbanisation
- Strengthen the green finance system to support the circular economy

Malaysia Plastic Pact



<https://tinyurl.com/malaysiaplasticpact>

Malaysia Plastic Pact

Multi-stakeholder

- Public and private stakeholders in the plastic value chain

Platform for members to commit to actions and goals

- Improvement of product design
- Adoption of effective plastic waste management
- EPR schemes
- Building R&D agenda for circular plastics

Commencement Year

- 2020



THANK YOU