







# **Eco labelling for biodegradable/compostable Plastic and Green Procurement**

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Product Certification and Inspection  
SIRIM QAS International**

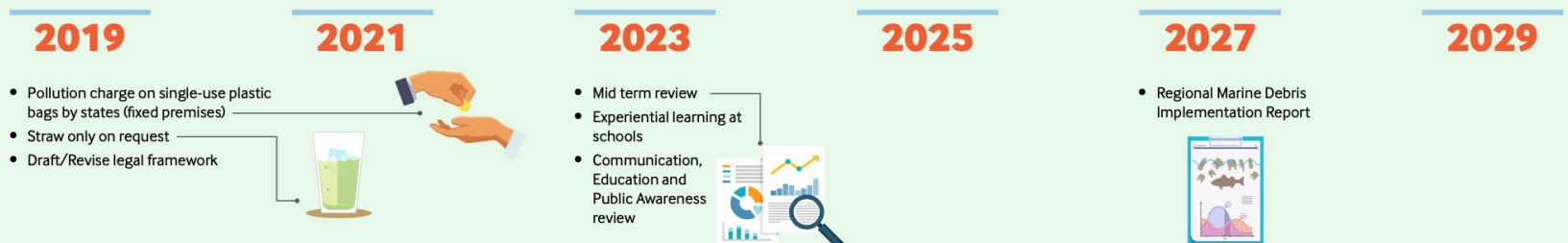
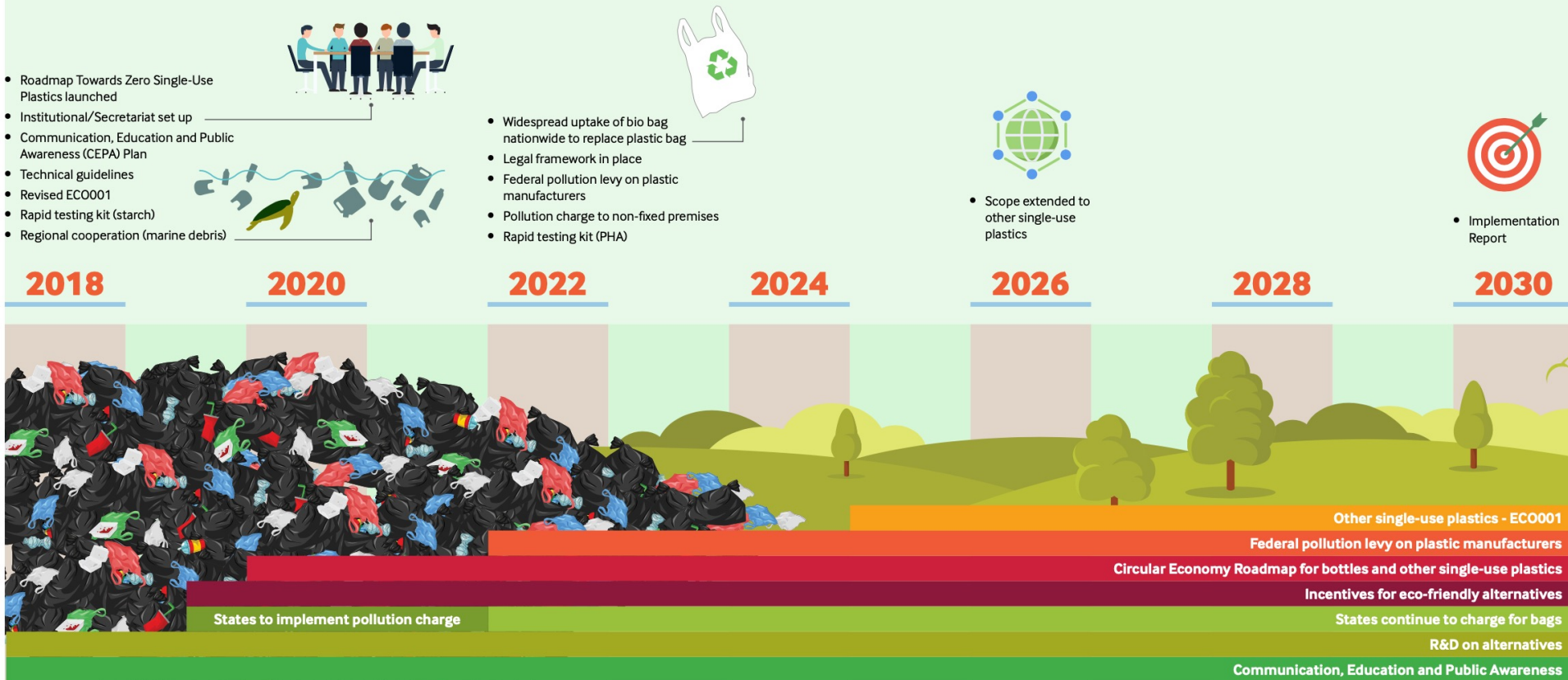
# Outline

- 
- Roadmap towards zero single-use plastic
- 
- Product Criteria Documents (PCD)
- 
- SIRIM Eco-Labelling Certification process
- 
- SIRIM Eco-Labelling mark and license

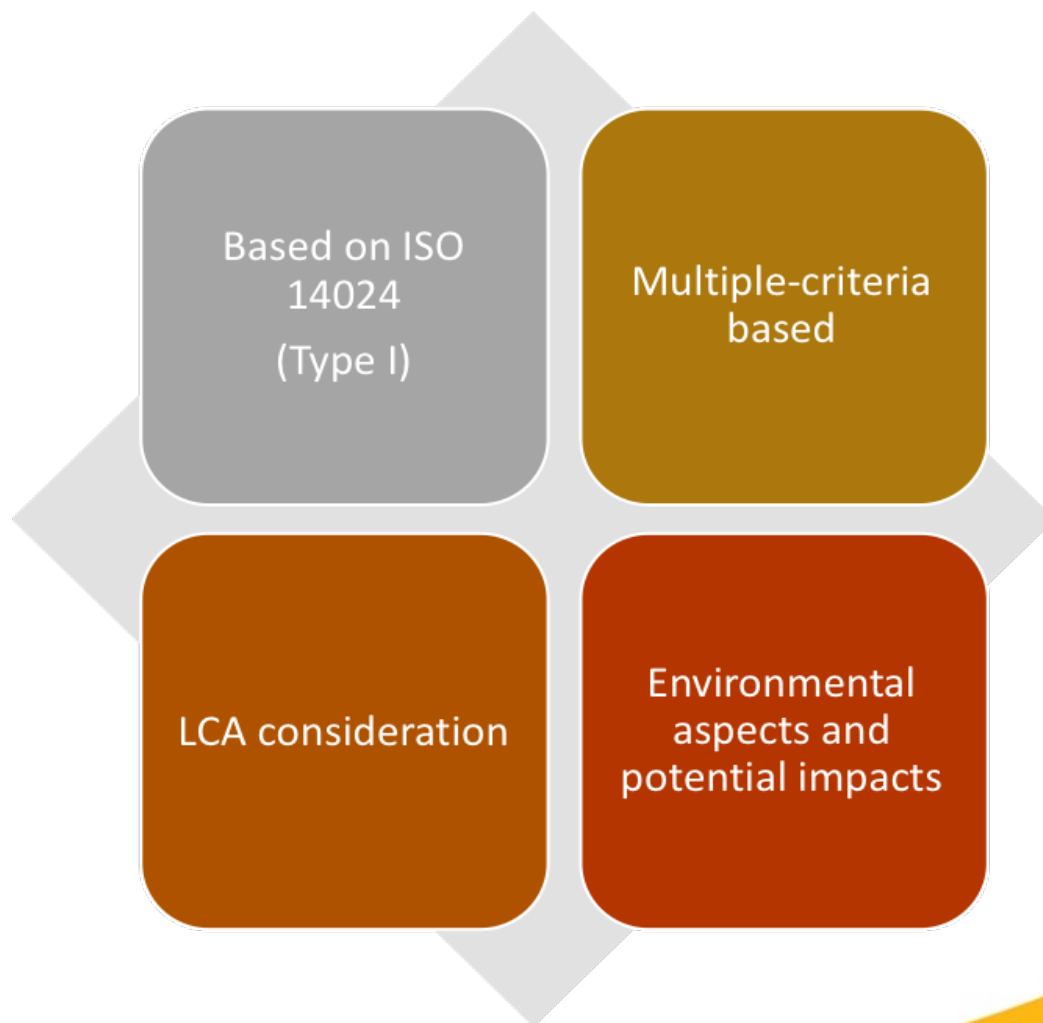
# ROADMAP TOWARDS ZERO SINGLE-USE PLASTICS

## 2018-2030

*Towards a Sustainable Future*



## PCD – Product Criteria Document



**SIRIM ECO 001:2018**

Eco-labelling criteria -  
Biodegradable and compostable  
plastic and bioplastic

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plastic and bioplastic**

**<https://standards.sirimsts.my/>**

SIRIM ECO-LABELLING SCHEME

## 1) SIRIM ECO 001 : 2018

- Applicable to ***“plastic”*** made from petroleum or bio-based oil e.g. corn oil, soy oil,
- Single/multiple-use packaging and other products

### ❖ Biodegradable

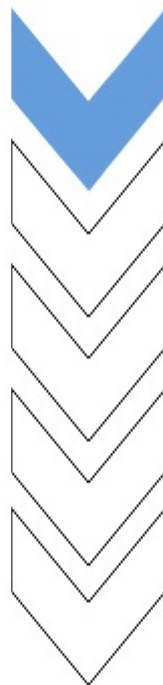
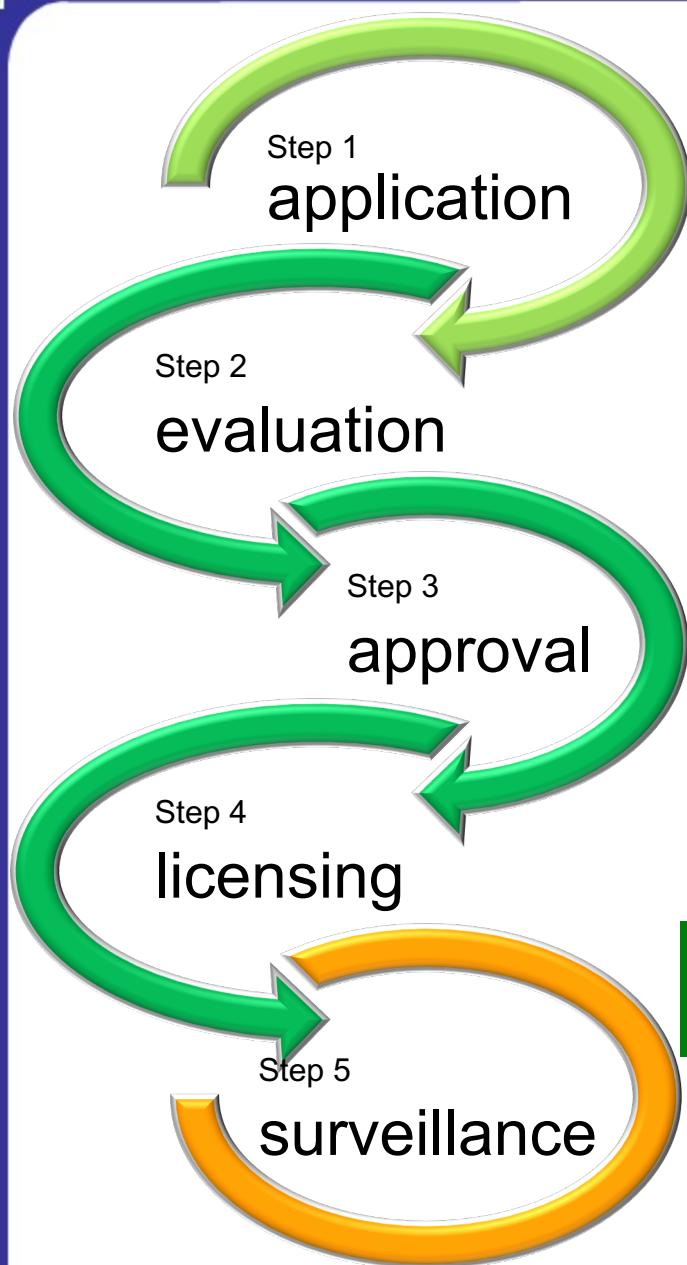
- Capable of being broken down into innocuous (not harmful) products by the action of microorganisms such as bacteria, fungi and algae.
- Testing = min 90% degradation within 6 months

### ❖ Compostable

- Biodegradable + leaves no visible, distinguishable or toxic residue
- Testing = no negative effect on plant growth



# CERTIFICATION PROCESS



**PRE-CERTIFICATION  
STAGE**



**POST-CERTIFICATION  
STAGE**



# CERTIFICATION PROCESS

← PREVIOUS PAGE

## POST-CERTIFICATION STAGE

LICENSING

FACTORY & MARKET  
SURVEILLANCES

COMPLIANCE

NO

SUSPENSION

YES

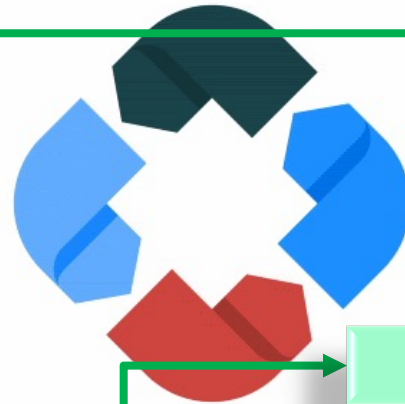
RENEWAL

YES

CORRECTIVE  
ACTION

NO

REVOCATION





# SIRIM Eco-Labeling Certification mark



**SIRIM**  
ECO-LABEL

Marking location;

- On the product and/or
- On smallest packaging

Biodegradable / Compostable

SIRIM ECO 001 : 2018

EL123456

Environmental claim

SIRIM Criteria

Certificate No


# List of certified products

<http://www.malaysiancertified.com.my>

## LEVERAGE ON OUR MARKS OF EXCELLENCE



Enabling Businesses. Enhancing Lives  
CERTIFICATION, INSPECTION, TESTING

ABOUT PRODUCT TERMINATION LISTING TREASURY LISTING 

### ABOUT MALAYSIAN CERTIFIED

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### ABOUT TREASURY LISTING

# Search...

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## PRODUCT ONLINE SEARCH

Scheme :	<input type="text" value="--Select--"/>
Company Name :	<input type="text"/>
Product :	<input type="text"/>
Related Agency :	<input type="text" value="--Select--"/>
Standard :	<input type="text" value="--Select--"/>
Year of Certification :	<input type="text" value="--Select--"/>
Status :	<input type="text" value="--Select--"/>
Country :	<input type="text" value="--Select--"/>
State :	<input type="text"/>
License No. :	<input type="text"/>
Brand :	<input type="text"/>
	<input type="button" value="Search"/> <input type="button" value="Clear"/>

# Result...

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## ECO LABELLING

Company Name	Country	License No.	Product Name	Standard
ADVENT PACKAGING SDN. BHD.	MALAYSIA	EL000129	COMPOSTABLE PRODUCTS	SIRIM ECO 001 : 2018
AIRESTEC INNOVATIONS SDN. BHD.	MALAYSIA	EL000049	BIODEGRADABLE CLEANING PRODUCTS	SIRIM ECO 003 : 2014
AKZO NOBEL PAINTS (MALAYSIA) SDN. BHD.	MALAYSIA	ELI0005002	PAINTS	SIRIM ECO 019 : 2012
ALPHA POLYMER SDN BHD	MALAYSIA	EL000150	COMPOSTABLE PRODUCTS	SIRIM ECO 001 : 2018
ANTAWISE SDN. BHD.	MALAYSIA	EL000112	COMPOSTABLE PRODUCTS	SIRIM ECO 001 : 2018
ASIA HONOUR PAPER INDUSTRIES (M) SDN. BHD.	MALAYSIA	ELM0569001	PAPER	MS 2080 : 2008
ASPECT CONCRETE PRODUCTS	MALAYSIA	EL000068	MASONRY UNITS	SIRIM ECO 023 : 2010
ASTEEL SDN. BHD.	MALAYSIA	EL000110	COATED FLAT STEEL PRODUCTS	SIRIM ECO 032 : 2011
AURA PERSEPSI SDN. BHD.	MALAYSIA	EL000084	COMPOSTABLE PRODUCTS	SIRIM ECO 001 : 2018
BCI SABAH INTERNATIONAL PETROLEUM SDN.BHD.	MALAYSIA	EL000115	BIODEGRADABLE CLEANING PRODUCTS	SIRIM ECO 003 : 2014
BINA INTEGRATED INDUSTRIES SDN. BHD.	MALAYSIA	ELB0323001	PAINTS	SIRIM ECO 019 : 2012
BRIFORM SDN. BHD.	MALAYSIA	EL000019	MASONRY UNITS	SIRIM ECO 023 : 2010
CHEMPRO TECHNOLOGY (M) SDN. BHD.	MALAYSIA	EL000007	BIODEGRADABLE CLEANING AGENTS	MS 2225 : 2009
CK PACKAGING & PLASTIC INDUSTRIES SDN. BHD.	MALAYSIA	EL000134	COMPOSTABLE PRODUCTS	SIRIM ECO 001 : 2018

## Current Numbers

product	Quantity
Biodegradable/compostable plastic manufacturers	31

## Challenges

- Uptake from the industry still low
- Low demand from the consumers
- High total cost

## Way forward

- Total implementation of the roadmap
- Structured promotion and training
- Benefits to industry players and consumers







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