

# Thailand's Roadmap on Plastic Waste Management and current initiatives on single-use plastic in food delivery and takeaway

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# Thailand's Roadmap on Plastic Waste Management

# Status of plastic waste management in Thailand

Within 10 years, Thailand has plastic waste 2 million tons/year or 12 % of total waste a generation



Plastic waste recover  
0.5 million tons/year



1.5 million tons/year of plastic waste disposed by sanitary landfill or waste incinerator and partially accumulate in dumped sites



# Roadmap's principle



Life Cycle Approach



3R Principle (Reduce Reuse Recycle)



Public Private Partnership



Concept of Circular Economy



Responsible consumption and production

# Relevant policies linkage

Sustainable Development Goals (SDGs)



National Strategy 2018 - 2037  
(Green Economy + Marine Economy)



National reform plan on natural resources and the environment



The 12th National Economic and Social Development Plan  
(2017 - 2021)



National waste management master plan (2016 - 2021)

# Vision and objective

## Vision

- Moving Towards Sustainable Plastic Management by Circular Economy

## Objective

- to serve as a framework and direction for preventing and solving of plastic waste in the country

## Goal

- Related to SDGs, especially Goal 14<sup>th</sup> Conserve and sustainably use the oceans, seas and marine resources

## Thailand's Roadmap on Plastic Waste Management 2018 – 2030



### Target

1. Reduce and stop using single-use plastic targets by replacing with environmental friendly products.
2. 100% of target plastic wastes to Circular Economy.

### Stop using in 2019

- Cap seal
- Oxo
- Microbead



2019

0.5 million tons Utilization

2 million tons or 12 % of the total waste generation

1.5 million tons Disposed by landfill or incinerator

Partially remain in Environment

2018

2020

2022

2023  
2026

2027

2028  
2029

2030

### SDGs

- Summary of implementation in according to SDGs
- Continuously working to meet the target of Roadmap

- Law enforcement on Plastic Waste Management

2021

### Phase 2

### Stop using in 2022

- Plastic bag < 35 micron
- Foam food container
- Plastic cup < 100 micron
- Plastic straw

- Monitoring, evaluation and review Roadmap and Action Plan
- Develop recycling plastic waste system through circular economy

- Develop guidelines/ requirements/ standard for environmental friendly plastic products

- Establish Subcommittee/ Working groups
- Develop Roadmap for Plastic Waste Management 2018 – 2030



### Problems of Plastic Waste in Thailand

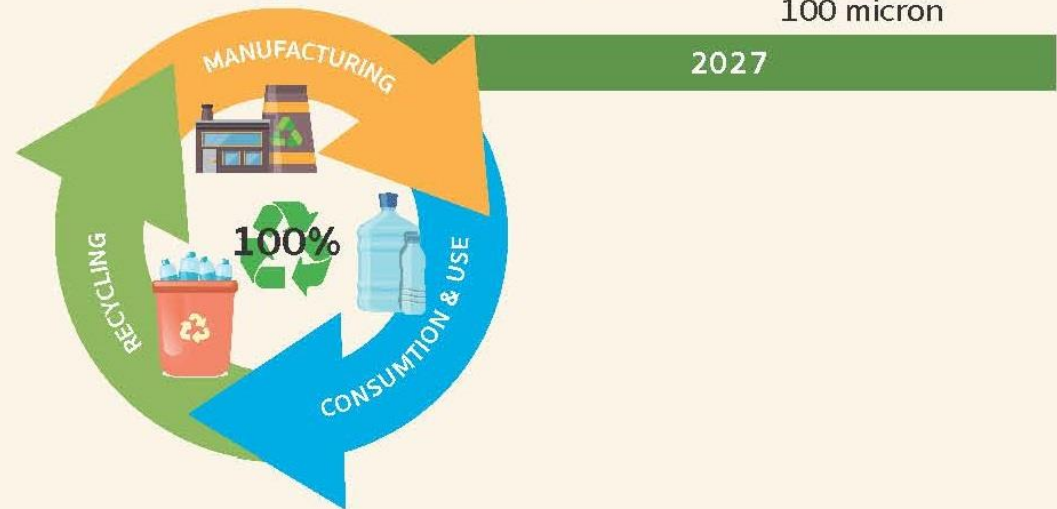


# Roadmap's target

## Target 1 Reduce and replace some single use plastic by using environmentally friendly products



## Target 2 Recycle target plastic waste by applying circular economy principle





# Plastic Waste Management Action Plan (2018 – 2022)



## Measures

- reducing of plastic waste at sources
- reducing the use of single-use plastic at consumption process
- managing post-consumer plastic waste

## period of time

- 1<sup>st</sup> phase on 2018 - 2019
- 2<sup>nd</sup> phase on 2020 - 2022
- 3<sup>rd</sup> phase on 2023 - 2030

# Actions to deal with Plastic Waste

Stop using plastic cap seal for drinking water bottles with 5 large drinking water producers from 1 April 2018 onwards

Stop using micro-plastic by cooperation from the Food and Drug Administration (FDA) under the Ministry of Public Health

Stop the plastic products containing oxo by cooperation from the Thai Industrial Standards Institute (TISI)

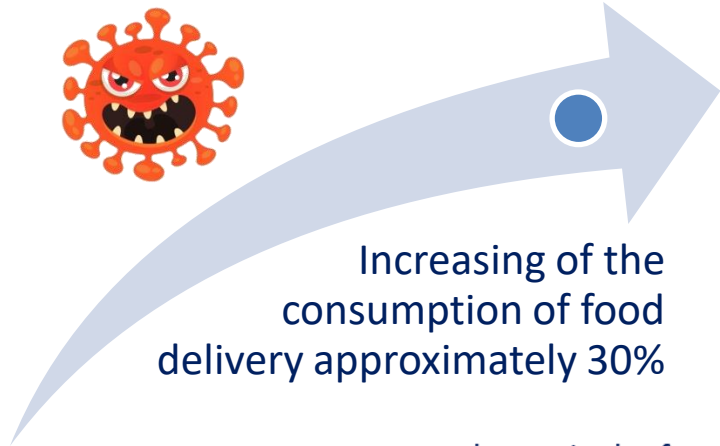
Announced the campaign on “January 1, 2020 D-Day no use of plastic bag” in 43 supermarkets and departments store to abandon the use on plastic bag

Ban on the import of plastic scarps and plastic waste from foreign countries

Measure to reduce and separate waste in government sectors and educational institutions

# Current initiatives on single-use plastic in food delivery and takeaway

# Current Situation on Plastic Waste Management in Food Delivery



Increasing of the consumption of food delivery approximately 30%

• A survey conducted by PCD during 15 – 26 April, 2020

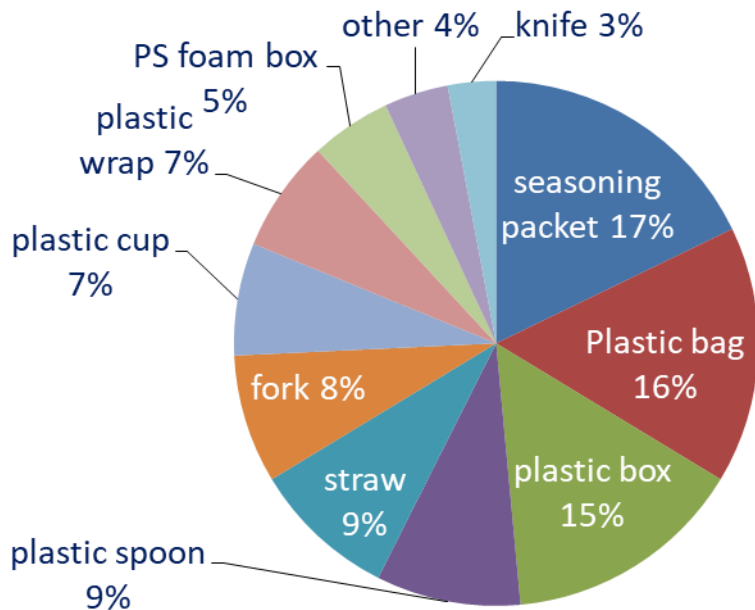
5,100 sampling



Use application  
57%



Cook at home  
43%



• Plastic waste composition from food delivery

45% mixed with general waste

42% clean, separate and collect for reuse and recycle

11% inform restaurant or application platform for refuse the cutlery

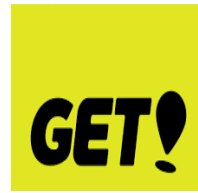
2% reuse or send back to restaurant /application platform

• Plastic waste management from food delivery by consumers

# Stakeholders in Plastic Waste Management in Food Delivery



Restaurants/shops



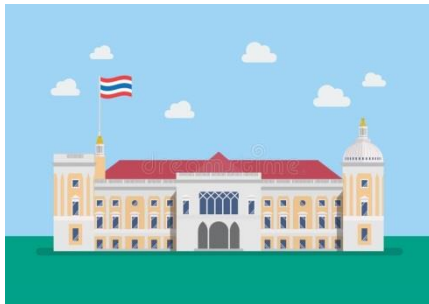
Platforms



Consumers

## Activities process

- Meeting consultation among stakeholders
- Conduct MOU to reduce single-use plastic in food delivery
- Conduct the Workshop to sharing knowledge
- Finding solution together



Government sector/  
University/ Researcher

# Guideline for Plastic Waste Management in Food Delivery



## Application platform (Food delivery service provider)

- Add opt-in function in Application (refuse utensils and other include seasoning packets, showing Eco Label /environmentally friendly packaging /stores provided information to make decisions)



## Restaurant

- Use environmentally friendly packaging
- Ask customer about eating utensil and other include seasoning



## Customers

- Inform application platform or restaurant do not receive the plastic utensils and other include seasoning packets
- Source separation recyclable packaging

# Incentives to Manage the Plastic Waste in Food Delivery

1

- Incentive for shop to use environmentally friendly packaging with tax measures to promote compostable plastic packaging

2

- Procure Platform of environmentally friendly packaging and sell it to partner shop with reasonably price

3

- Provide the reuse packaging systems in certain areas that setting up return points in the work office with incentive without additional service fees. (Pay deposit only)

4

- Incentive with discount prices in delivery or food, if consumer refuse eating utensils and other in plastics

5

- Establishing a monitoring system and feed back evaluation from consumer in food delivery





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