

# SEA of Solutions

partnership week for marine plastic pollution prevention  
11-14 november 2019

## Valuing waste: Business solutions

C.P. GROUP

13 November 2019



3 Benefits for Sustainability



# Sustainability

for

Country | Society | Company



## Heart



CORPORATE GOVERNANCE >



HUMAN RIGHTS & LABOR PRACTICES >



LEADERSHIP & HUMAN CAPITAL DEVELOPMENT >



EDUCATION >



## Health



SOCIAL IMPACT >



HEALTH & WELL-BEING >



STAKEHOLDER ENGAGEMENT >



INNOVATION >



## Home



CLIMATE CHANGE MANAGEMENT >



WATER STEWARDSHIP >



ECOSYSTEM & BIODIVERSITY PROTECTION >



RESPONSIBLE SUPPLY CHAIN MANAGEMENT >



## Sustainability Development in Process

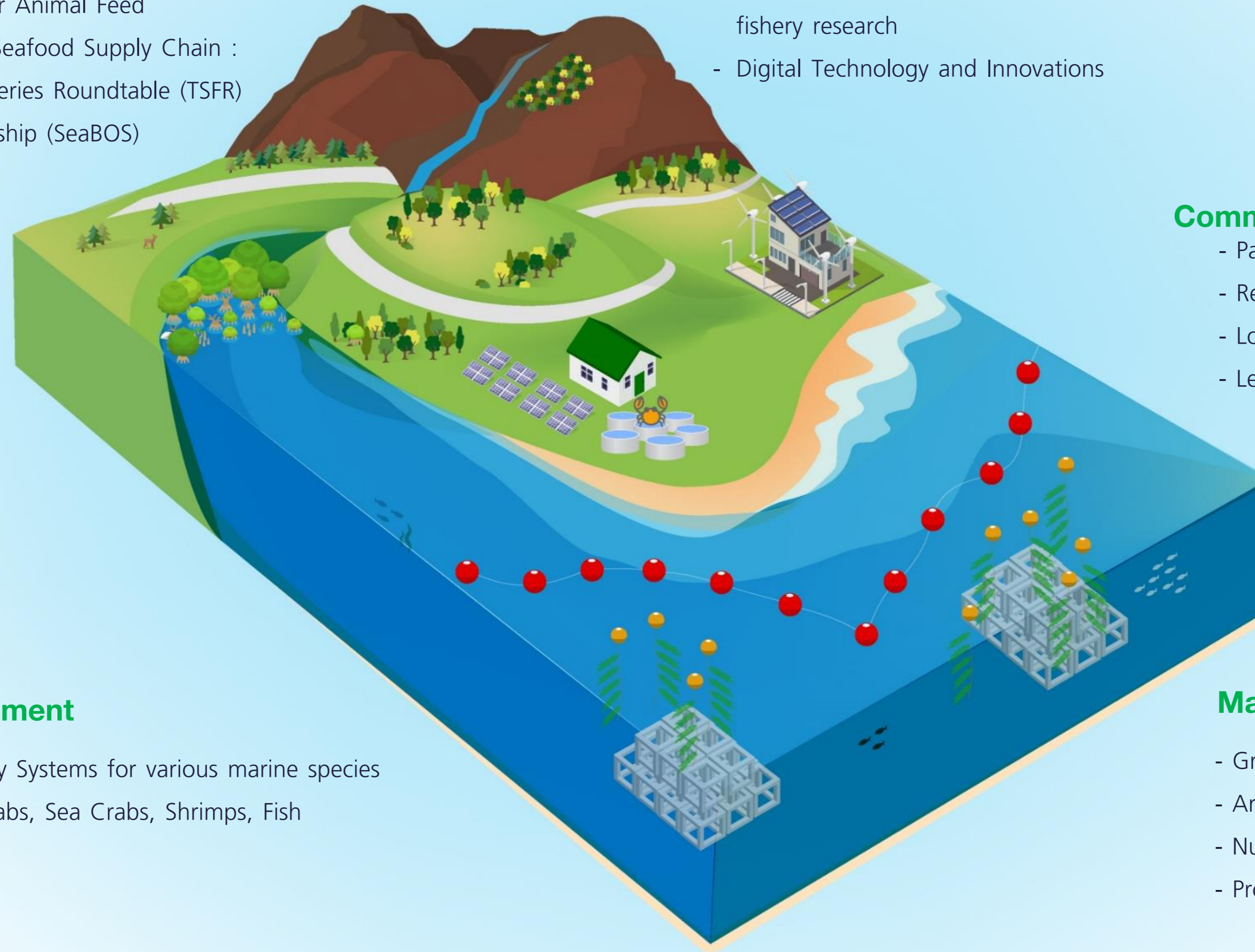
- Responsible Sourcing of Raw Materials for Animal Feed
- Creating Shared Value for a Sustainable Seafood Supply Chain : Seafood Task Force, Thai Sustainable Fisheries Roundtable (TSFR) and Seafood Business for Ocean Stewardship (SeaBOS)
- Sustainable Packaging Policy

## Research and Development

- Area-based Participatory Action Research
- Multi-stakeholder platform for sustainable fishery research
- Digital Technology and Innovations

# GM ทะเลไทยยั่งยืน

## SEACOSYSTEM



## Community Development

- Participatory Approach
- Renewable Energy and Waste Management
- Local Business and Social Enterprise
- Leadership development and Training Workshops

## Stock Enhancement

- Innovating Hatchery Systems for various marine species
- Blue Swimming Crabs, Sea Crabs, Shrimps, Fish

## Marine Habitats Management

- Grow-Share-Protect Mangrove Forestation Project
- Artificial Reefs
- Nursery Grounds & Protected Areas
- Promote Community-Based Resource Management



# SUSTAINABLE PACKAGING POLICY

100% of all its plastic packaging must be reusable, recyclable or compostable plastic packaging by 2025

## 5Rs framework:



## Policy's Guidelines:

1. **Re-educate** consumers and raise awareness towards behavioral change for sustainability, for example, trash segregation, plastic recycling, plastic consumption reduction and replacement of plastic bags with reusable shopping bags
2. Engage in **public advocacy** to drive policies and regulations that create an environment for plastic consumption reduction
3. **Use 100% reusable, recyclable, or compostable plastic packaging**
4. Eliminate problematic or unnecessary plastic packaging through **redesign** and/or reinvention while ensuring business feasibility
5. **Reduce** the need for **single-use plastic** packaging and make changes towards a reusable plastics model
6. Make sure that all plastic packaging are free of hazardous chemicals, and the health, safety, and rights of all people involved are respected
7. Make meaningful **investment** into businesses, technologies, or other assets that work to realize the vision of a circular economy for plastic
8. **Collaborate** with all related parties domestically and internationally towards increasing reuse/recycling/composting rates for plastic
9. **Report** annually and publicly on progress towards meeting these commitments



## CHAROEN POKPHAND FOODS (CPF)

CPF operates integrated agro-industrial and food business with its objectives to provide products in high quality and environmentally and socially responsible manner.



# CPF' SUSTAINABLE PACKAGING POLICY AND PRINCIPLE

By 2025 for Thailand operations and by 2030 for international operations, the Company commits to:

- 100% of the Company's plastic food packaging to be reusable or recyclable or upcyclable or compostable
- Eliminate problematic or unnecessary plastic packaging

The Company's principle to optimize our packaging is as follows to ensure sustainable packaging development and management:

- Promote the use of materials from sustainably managed renewable resources
- Support initiatives such as a Take-back System to recycle or recover energy from used packaging
- Increase recycled material content where appropriate without compromising food safety and quality
- Develop to move from single-use towards reuse models for packaging used in production line or transportation as relevant



## SUSTAINABLE PACKAGING POLICY AND PRINCIPLE

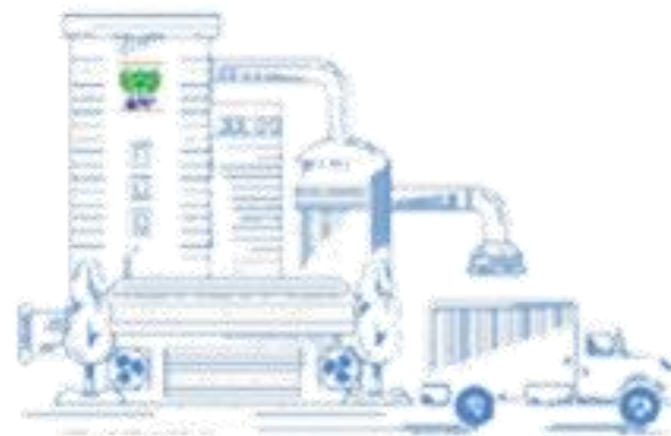
BASED ON  
CIRCULAR ECONOMY CONCEPT



นโยบายและแนวปฏิบัติด้านบรรจุภัณฑ์ที่ยั่งยืน  
บริษัท เจริญโภคภัณฑ์อาหาร จำกัด (มหาชน) และบริษัทย่อย



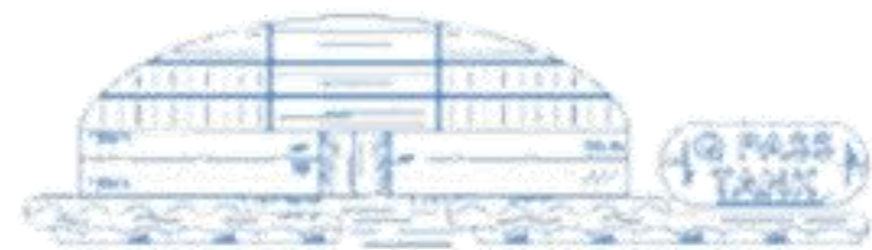
# PLASTIC PACKAGING REDUCTION THROUGHOUT VALUE CHAIN



**Feed Business**

## BULK FEED TANK

- Since 2013, we have replaced plastic feed bags with Bulk Feed Tank in our livestock feed business.
- In 2018, the Thailand operation was able to reduce 62% of plastic feed bags, accounting for 9,600 tons of plastic which is equivalent to a GHG emissions reduction over 30,000 tons CO<sub>2</sub>e per year.



**Farm Business**

## Q-PASS TANK

- Since 2006, the Company has replaced over 99% plastic bags with Q-Pass Tank to transport shrimp larvae to customers.
- This helped reduce 130 million plastic bags or 1,700 tons of plastic, which is equivalent to GHG emissions reduction over 3,700 tons CO<sub>2</sub>e.



**Integrated Broiler Business**

## Plastic Reduction in the Production Process

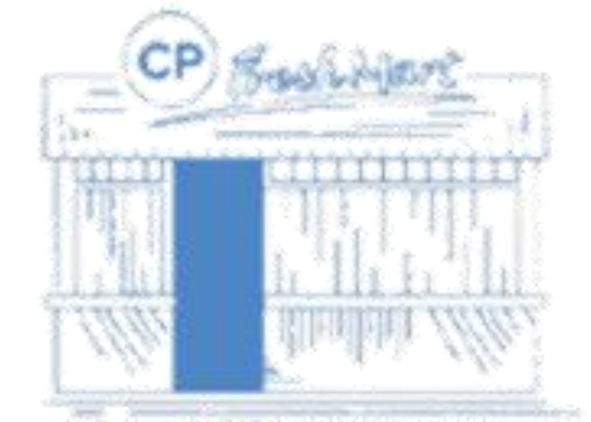
- Since 2006, the integrated broiler businesses have replaced plastic bags with stainless steel trucks to transfer products within the production processes.
- This approach reduced more than 93 million plastic bags in the production processes, accounting for 4,300 tons of plastic which is equivalent to GHG emissions reduction over 29,000 tons CO<sub>2</sub>e.



**Food Business**

## Environmentally-friendly Food Packaging

- Since 2007, we have reduced the use of plastic and paper for more than 1,190 tons and 1,650 tons respectively.
- Developed plant-based bioplastic trays made from natural renewable resources, namely Polylactic Acid (PLA) which is compostable.
- In 2018, we could reduce more than 3.9 million PET trays or over 60 tons of plastic, which is equivalent to GHG emissions reduction of 132 tons CO<sub>2</sub>e per year.



**Food Retail Outlets**

## “Say No to Plastic Bags When Shopping a Few Items”

- At CP Freshmart, every Wednesday is a plastic bag free day.
- It is expected that this initiative will help reduce 5 million pieces of plastic waste a year.



# EXAMPLES OF SUSTAINABLE PACKAGING DESIGN AND DEVELOPMENT

### Packaging Re-Design Project for Raw Chicken Products

Before	After	
		
<ul style="list-style-type: none"> <li>• Use multiple layers of plastic bags</li> <li>• Use stickers as product labeling</li> </ul>	<ul style="list-style-type: none"> <li>• Use single layer of plastic bags</li> <li>• Print labeling on bags</li> <li>• Reduce the size of bags affecting on reducing the size of shipping carton box</li> <li>• 100% recyclable</li> </ul>	
Paper Reduction	Plastic Reduction	Cost Reduction
<b>11%</b>	<b>43%</b>	<b>24%</b>

### Packaging Modification Project for Omelet Burger with Tender Chicken Breast

Before	After
<p>Film</p>  <p>Sauce Tray Burger Tray</p> 	<p>Plastic Bag</p>  <p><b>Laser Cut:</b> Enable a straight tear of packaging</p>
Plastic Reduction	Cost Reduction
<b>57%</b>	<b>6%</b>

### Reduce Plastic Bag Use in Storing Juvenile Shrimp "Q-PASS TANK"

Original method	New method
 <p>Pack in bags and foam boxes</p>	 <p>Pack in Q-Pass tanks</p>
	





## CP ALL

CP ALL is unique in being part of the distribution channels for products and services to consumers, as well as being a bridge connecting the upstream, midstream, and downstream supply chains.



# PROTECTING THE ECOSYSTEM AND COMMITTING TO BEING GREEN

## 7 Go Green Strategy

- Green Stores
- Green Logistics
- Green Packaging
- Green Living

### Progress in 2018

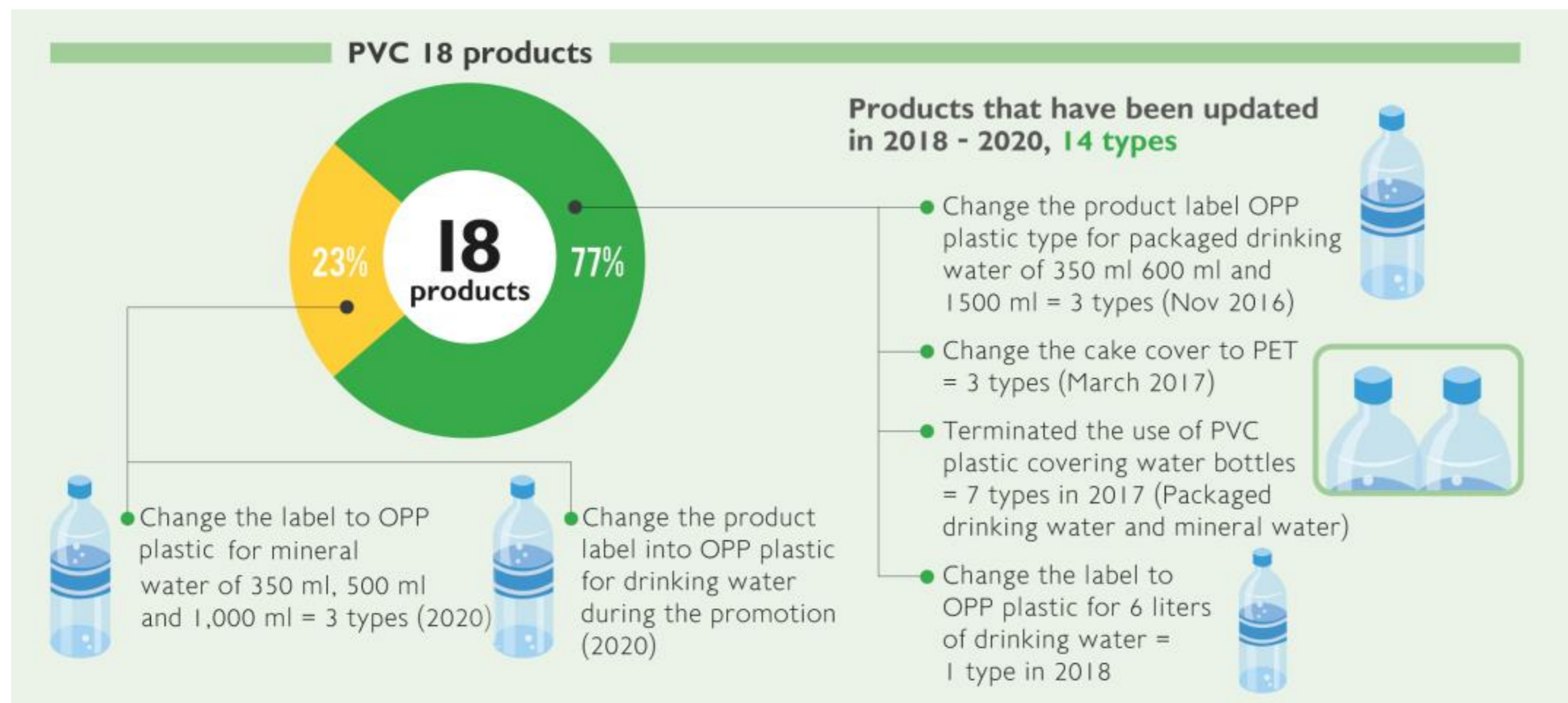
- >> Project for reduction of plastic bag usage
- >> Project for eliminating waste and the use of packaging
- >> Project for changing social behavior of using plastic bags

### Key Performance in 2018

- Reduced an average **0.42** million plastic bags per day from every project aimed at changing social behavior.
- Reduced an average **153.72** million plastic bags per year from every project aimed at changing social behavior.
- **77** percent of products terminated PVC usage.

Goal	2019	2020	2021	2020	2023
Reducing Plastic waste from company operation (Accumulated)	2,900 tonne or 1,000 million plastic bags	6,500 tonne or 2,200 million plastic bags	11,000 tonne or 3,640 million plastic bags	16,000 tonne or 5,368 million plastic bags	22,000 tonne or 7,440 million plastic bags

# TERMINATE PVC USAGE IN PACKAGING , CAP SEALS , PLASTIC BAGS



- The termination of PVC in packaging of CP ALL products for PB Food group in 2018 has achieved 77 percent (14 from a total of 18 types of products).
- Reduced the used of plastic seals on water bottle caps for all products sold in 7-Eleven in 2018. This reduced plastic usage by more than 187 tons per year.
- Develop the **packaging return system** by reusing plastic bags from the store and was able to bring back 814,639 reused plastic bags per year with plans for the future
- Stop giving away plastic bags in January 2020 – Voluntary support of Ministry of Environment

Recycle box in universities



Paper bags in universities and islands



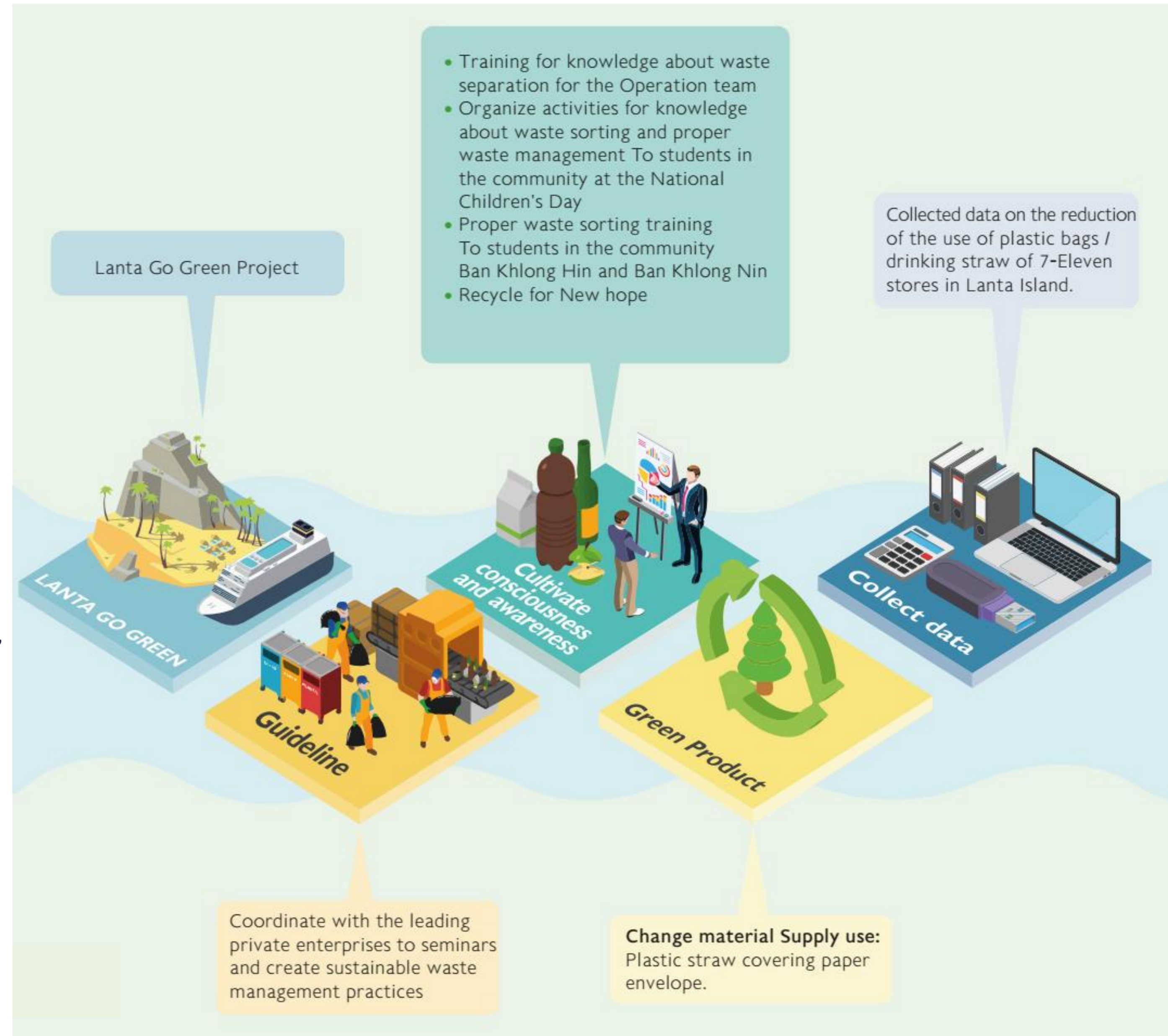
No more cap seals since 1 April 2018



# PROJECT IN KOH LANTA



- From key learning in waste management and packaging improvement, the Company established an environmental sustainability project in Koh Lanta District in Krabi Province.
- The project was a collaboration with both government and private sectors to cultivate consciousness and create sustainable waste management practices.



# CONSUMER BEHAVIOR FOR SUSTAINABLE DEVELOPMENT

Campaign to change the behavior of using plastic bags

University, Islands and Hospitals

“Refusing Bags for Points”

“Refusing Bags for Merit”

“Love the Andaman, Unite to Reduce the Use of Plastic Bags”

“Reducing a Bag a Day, You Can Do It” project

Since 7 December 2018

Plastic bag refused = 0.2 Baht/Bag (cost of plastic bag is around 12 Baht/Bag)

Phase 1: Donated 57 Millions Baht to Siriraj Hospital to purchase medical equipment.

Phase 2: Donate 77 hotels in 77 provinces 1 Million each

150 Hospitals

45 University

380 Branches on Islands

