

SEA of Solutions

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



Chula Zero Waste Initiative

Sujitra Vassanadumrongdee, Ph.D.

Environmental Research Institute, CU

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CHULA ZERO WASTE INITIATIVE

- A 5-Yr Action Plan to reduce waste & cultivate 'zero waste' cultures within CU communities
- Role model for other universities & organizations + society
- The work plans have been developed according to waste management hierarchy

Emphasizing waste prevention before recycling



6 Work plans 18 Projects



- **Link with schools:** CU Demonstration Schools & Alternative Schools
- **Producing a storybook**
- **Awareness campaign** on plastic waste & microplastics



Announcement of Single-Use Plastic Reduction Measures in CU (2018)

- **My Bag:** plastic bag charging
- **My Bottle:** water refill stations & reusable bottles
- **My Cup:** discounts for bringing reusable cups
- **Zero-Waste Cup:** paper coated with bioplastic (PBS) with close-loop management & alternative uses

- **Separate garbage bins**
- **Energy recovery:** low-recycling value plastic waste sent to cement kilns

Announcement on the Single-Use Plastic Waste Reduction Measures at CU, 2018

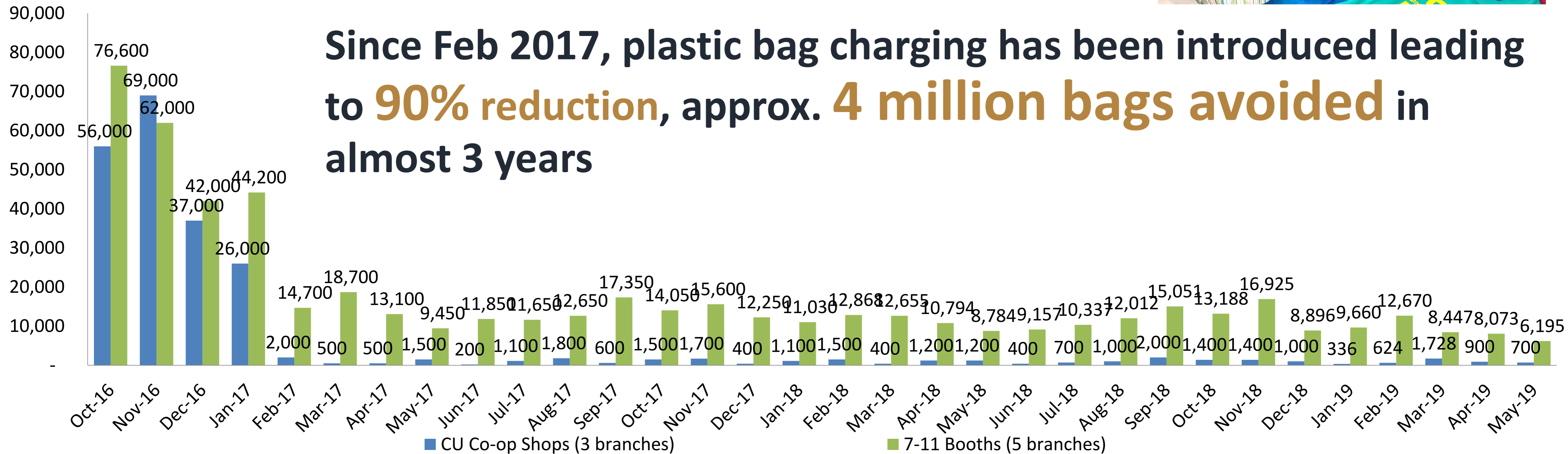
- No free plastic bags at all shops in CU except hot food
- No plastic cups in all canteens
- Ban on polystyrene foams and oxo-degradable plastic bags
- On request for plastic straws & cutlery



Plastic Bag Charging

Charge rate: 2 THB (0.06 USD) per bag

Exemption: hot items



*Nov 2016 – Jan 2017
Voluntary campaign
30% drop in plastic bag usage
compared to baseline in Oct 2016

Zero-waste cups: a close-loop bioplastic management & second life usage

Waste prevention
Bring own cups



Replacement with
env. friendly products
(consumers pay extra 2 THB)



Waste separation
in canteens



MOU with Royal Forestry Department
29 Oct 2019

Plant nursery pots/bags



Compost



Creating social norms on zero waste lifestyle

Knowledge on Waste Segregation



Sculptures from Single-Use Plastics



Educational booth/ roadshow

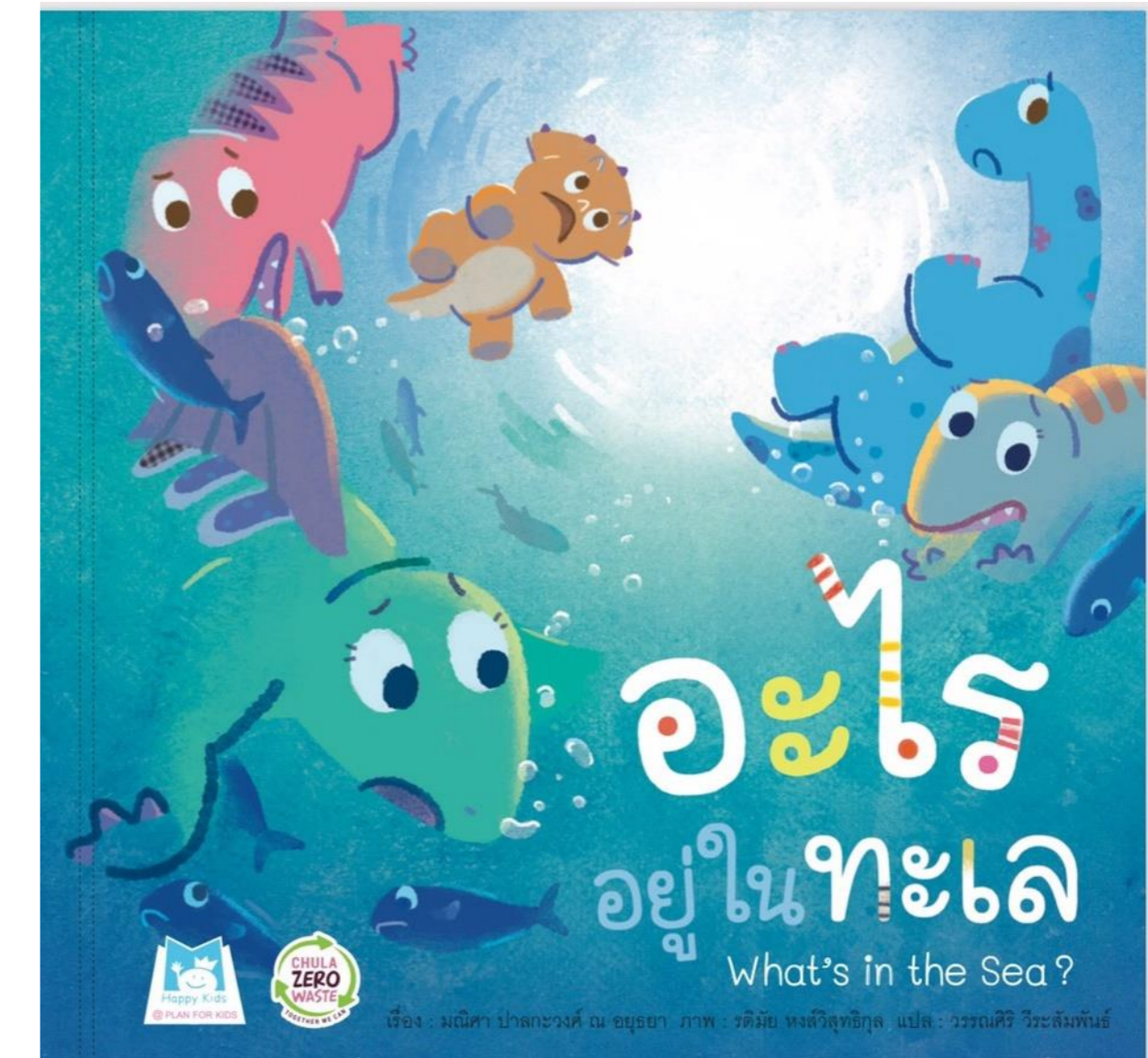


- Cooperation with CU Demonstration Schools (primary & secondary schools) & alternative schools
- Published a storybook on Marine Plastic Pollution



Educational board on microplastic

A Storybook "What is in the sea?" raising awareness on marine plastic pollution



Driving Environmental Education Policy

Encouraging Ministry of Education to promote EE at schools and work with MONRE and stakeholders on EE



Thank you



Solutions & Recommendations

- 1. The government should support universities & large organizations to implement **zero waste programs** in their organizations.** (Now MONRE (by PCD) have implemented plastic waste reduction & waste segregation projects in government agencies with KPI setting for Department-level Director-Generals but the project did not include universities)
- 2. MOE should support **Environmental Education** process in core curriculum & and upscale **Eco-School Projects** in partnership with MONRE & stakeholders**
 - Cultivate sustainable consumption & waste reduction/segregation as civic duties
- 3. MONRE & MOF & MOI should draft **Circular Economy Promotion Laws** as a basic law to promote recycling/CE society with EPR concept & to promote CE business models across industries (especially packaging, electrical and electronic equipment & automotive industries)**