

# EPR

EXTENDED PRODUCER RESPONSIBILITY

**19 OCTOBER 2022**

**14:00-17:00 (GMT+7)**



## THAILAND SCENARIO

**Rethinking Extended  
Producer Responsibility  
from the Perspective of  
Circular Economy**

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## Timeline of EPR in Thailand

- **Early 2000s : Learning about the EU Directives**
  - 2003: The Thai Environmental Institute (TEI) studied the impacts of the WEEE and RoHS Directives on exporting industries
  - 2004: The Pollution Control Department (PCD) commissioned a project to draft a law on hazardous waste management
  - 2005: The Federation of Thai Industries (FTI) established the Thailand Institute of Packaging and Recycling Management for Sustainable Environment (TIPMSE)
- **The Thai WEEE Strategy Phase I and Phase II**
  - 2009: A draft Royal Decree was proposed by PCD under the Ministry of Finance (MOF)'s draft Act on Economic Instruments for Environmental Management
  - 2014: PCD proposed a new draft Act on the Management of Waste Electrical and Electronic Equipment and Other End-of-Life Products



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Where were  
WEEE going?

## RESEARCH AND ANALYSIS

### Extended Producer Responsibility in Thailand

Prospects for Policies on Waste Electrical  
and Electronic Equipment

*Panate Manomaivibool and Sujitra Vassanadumrongdee*

DOI: 10.1111/j/1530-9290.2011.00330.x

App. Envi. Res. 38 (1): 1-10



Applied Environmental Research

Journal homepage : <http://www.tci-thaijo.org/index.php/aer>

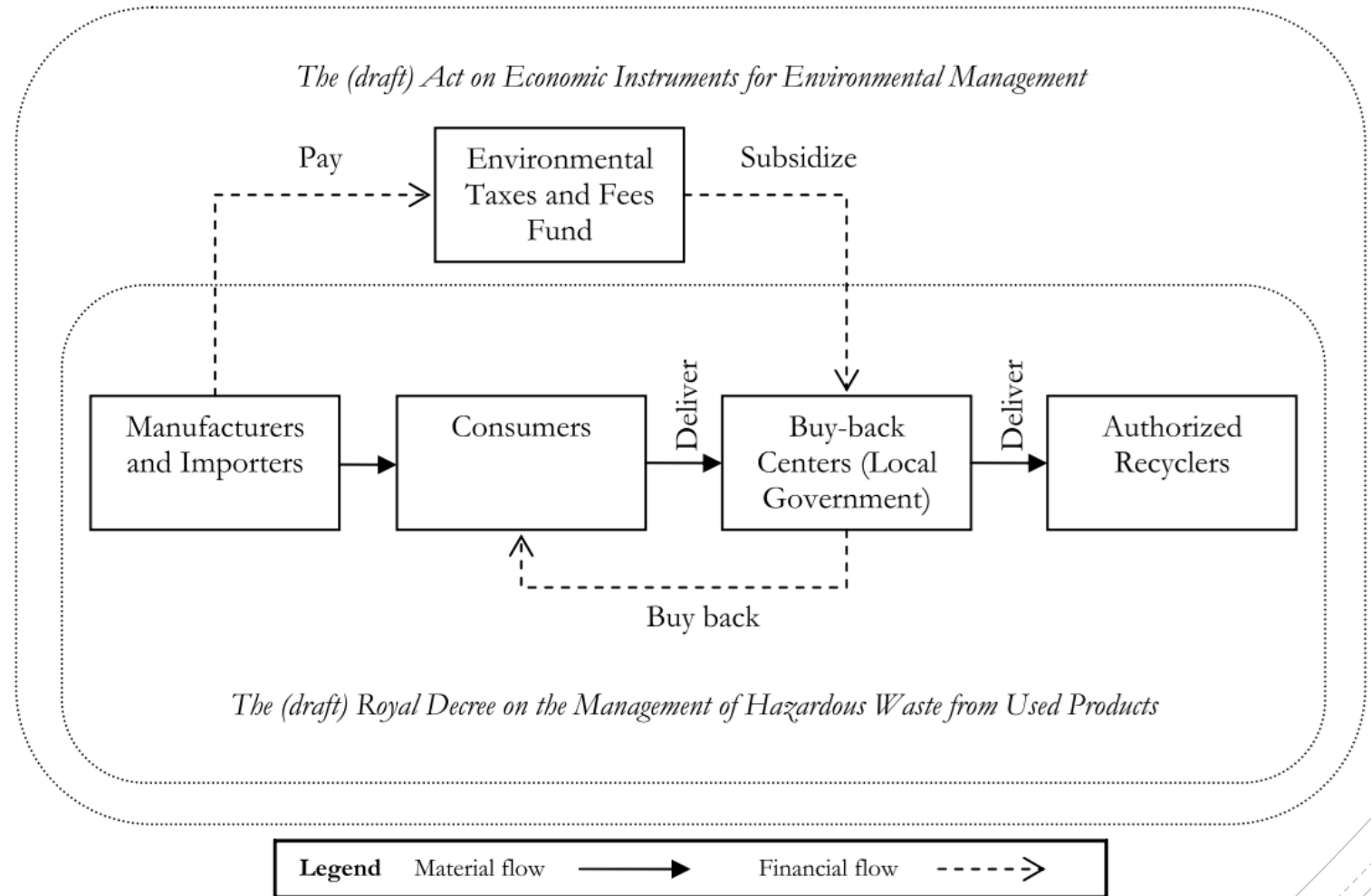


### A Hybrid Law Model for the Management of Waste Electrical and Electronic Equipment: A Case of the New Draft Law in Thailand

Panate Manomaivibool<sup>1,\*</sup>, Sujitra Vassanadumrongdee<sup>2</sup>



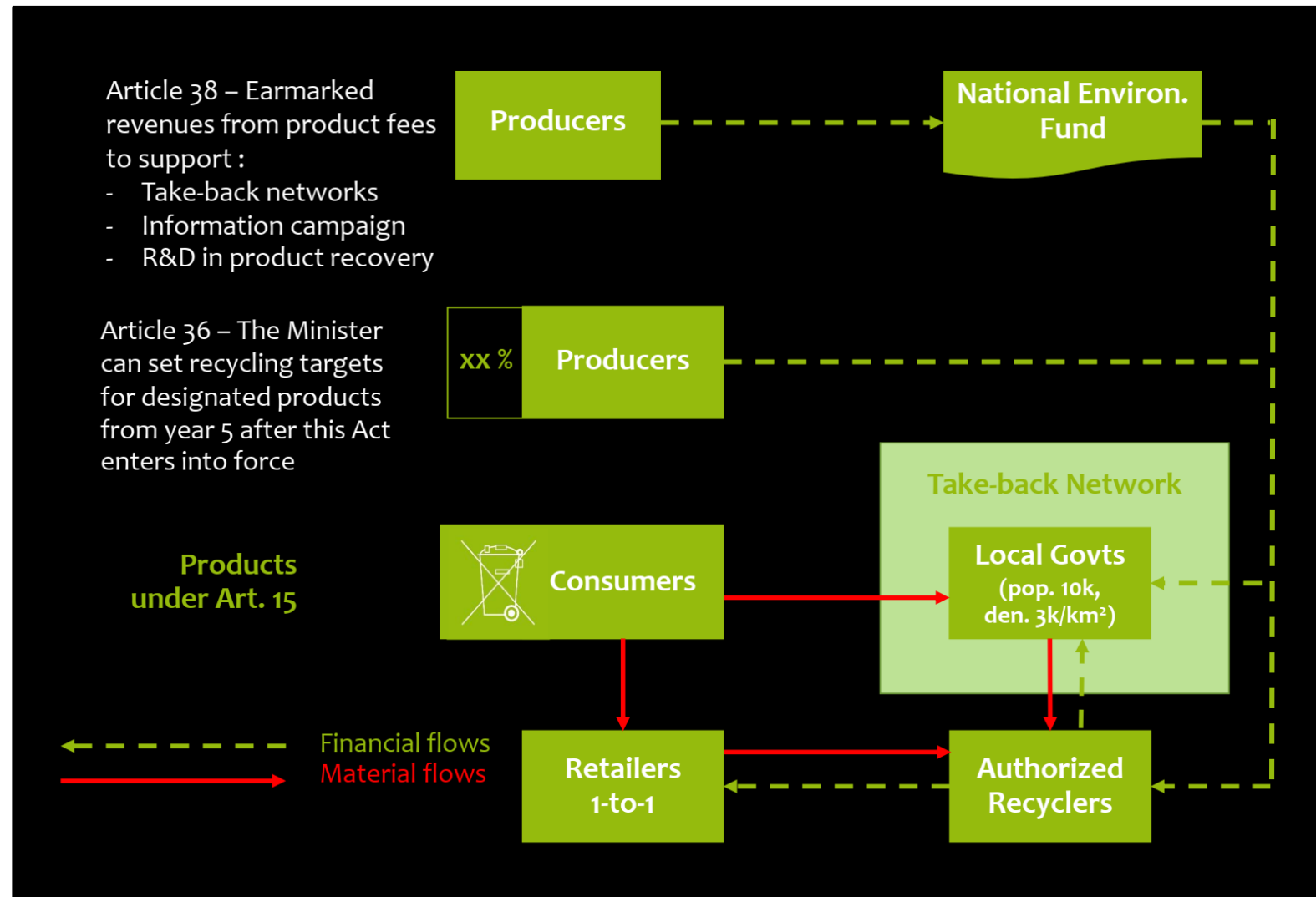
# Governmental Fund Model



Source: Manomaivibool, P., and Vassanadumrongdee, S. 2011. Extended producer responsibility in Thailand: Prospect for policies on waste electrical and electronic equipment. *Journal of Industrial Ecology*, 15(2): 185-205.



## Hybrid Law Model



Source: Manomaivibool, P., and Vassanadumrongdee, S. 2016. A hybrid law model for the management of waste electrical and electronic equipment: a case of the new draft law in Thailand. *Applied Environmental Research*, 38 (1): 1-10.



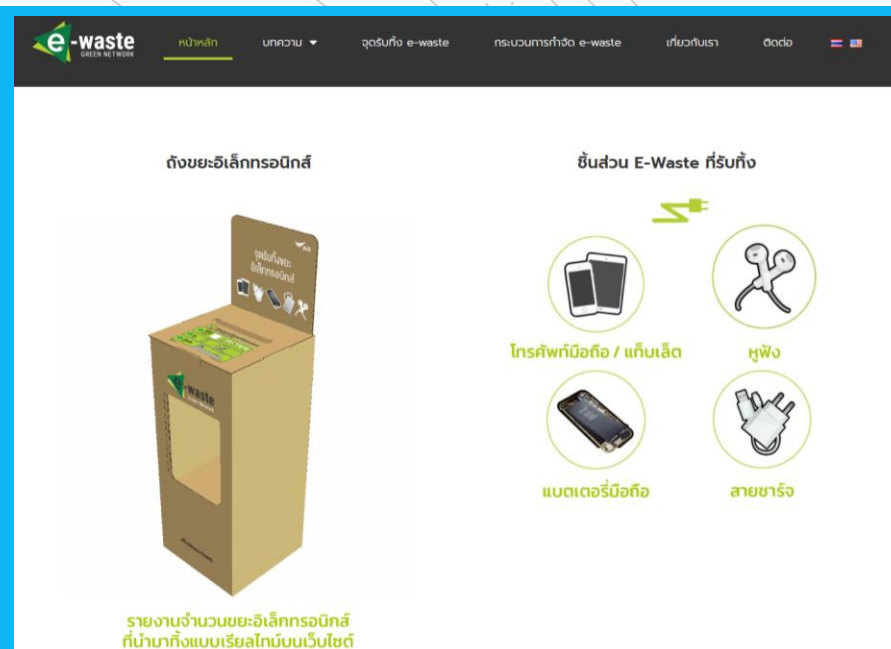
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## Limited voluntary initiatives on the ground



[ChulaLovestheEarth](https://www.chulalovestheearth.com/)



<https://ewastethailand.com/>







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## The dirty sides of e-waste recycling



A dumpsite near an e-waste recycling village in the Northeast

Photo: Jul 2018



A police raid on Chinese-owned e-waste recycling factory in the East processing imported electronic scraps

<https://www.aljazeera.com/videos/2018/6/21/thai-authorities-crack-down-on-illegal-e-waste-factories>



## Understanding local conditions

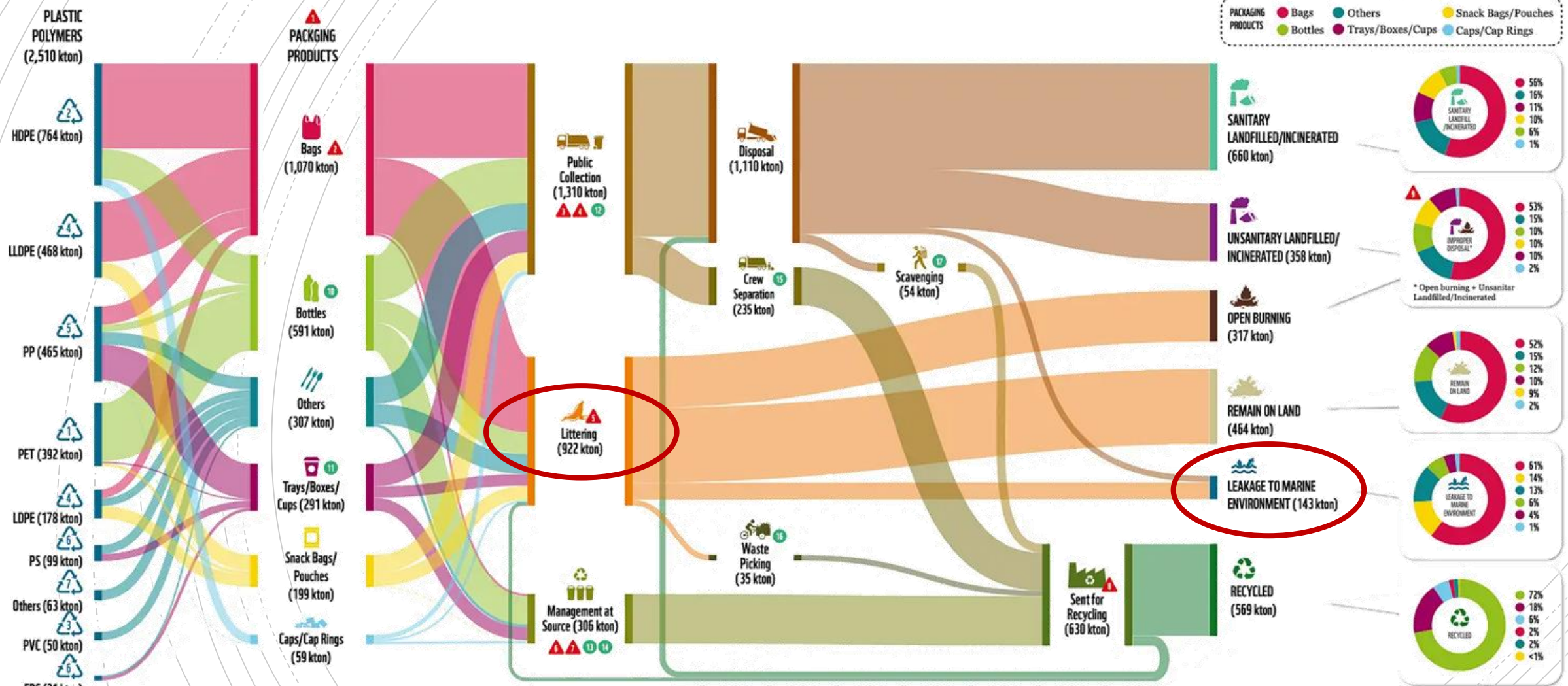
### RECYCLING INDUSTRIES

- Junkshops and waste dealers control the collection of high-value materials
- Recycling villages and small businesses for dismantling of complex waste products
- Large re-processors rely on imports and exports of secondary materials

### MUNICIPAL SOLID WASTE MANAGEMENT

- 5-class of local government organizations (LGOs)
- Promotion of community-based waste management
- **Limit waste collection and disposal capability**







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**Mariam, the dugong**



Source: <https://www.thaipbs.or.th/news/content/283006>



## New Drivers for EPR

### OCEAN MARINE DEBRIS

- Thailand was listed as the 6<sup>th</sup> polluter for mismanaged plastic waste (Jamback et al. 2015)
- Bangkok Declaration on Combating Marine Debris in ASEAN Region (ASEAN 2019)

### BCG ECONOMY

- Announced in 2018 as a way to achieve SDGs
- The Strategy to Drive the Development of Thailand by BCG Economy (2021-2026)







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# PREVENT's EPR Toolbox in Thai



Source: <https://www.thai-german-cooperation.info/wp-content/uploads/2021/12/EPR-Toolbox-TH-Version-14-Dec-2021.pdf>

# Many Private Initiatives for Packaging Waste



*On 29 Sep 2022, there were 72 organizations supporting the FTI's PRO pilot project, PackBack, and the Minister of NRE's keynote on EPR for packaging waste*





## Island Recycling Project



Separation of recyclables on  
Koh Sichang, Chonburi Province

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ความร่วมมือโครงการศึกษาการจัดการขยะและวัสดุรีไซเคิลบนพื้นที่เกาะอย่างยั่งยืน



*On 11 Oct 2022, the Coca-Cola Foundation Thailand signed a MOU with Mae Fah Luang University and Prince of Songkla University on a recycling-supporting initiative for islands in the East and the South*

Source: <https://mgronline.com/greeninnovation/detail/9650000098564>

Intervention	Low	Mid	High
<b>Measures</b>	Public information + Auditing	Incentives + Comfort + Enforcement	Clean-up activities + Market creation
<b>Setting</b>	<b>High</b>	<b>Mid</b>	<b>Low</b>
<b>Collection</b>	Sort commercially	Working waste management	High leakages
<b>Treatment</b>	Established technologies for commercialized products	Potentially polluting technologies for commercialized products	Unproven technologies with limited demands



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Moving  
forward

## STUDIES ON LEGAL FRAMEWORKS

- PCD is revising a draft on a governmental fund model for WEEE management
- PCD is calling for a proposal to develop an EPR law for packaging waste and RIA
- The Department of Land Transport (DLT) is reviewing law models for end-of-life vehicles (ELVs)

## COMPLEMENTARY CE MEASURES

- A basic law for circular economy
- Bans on single-use plastics (SUPs)
- KU Vgreen's Circular Mark
- Verified Plastic Credits (Verra, Plastic Credit Exchange)



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ขอบคุณครับ

Thank you for your  
attention

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