

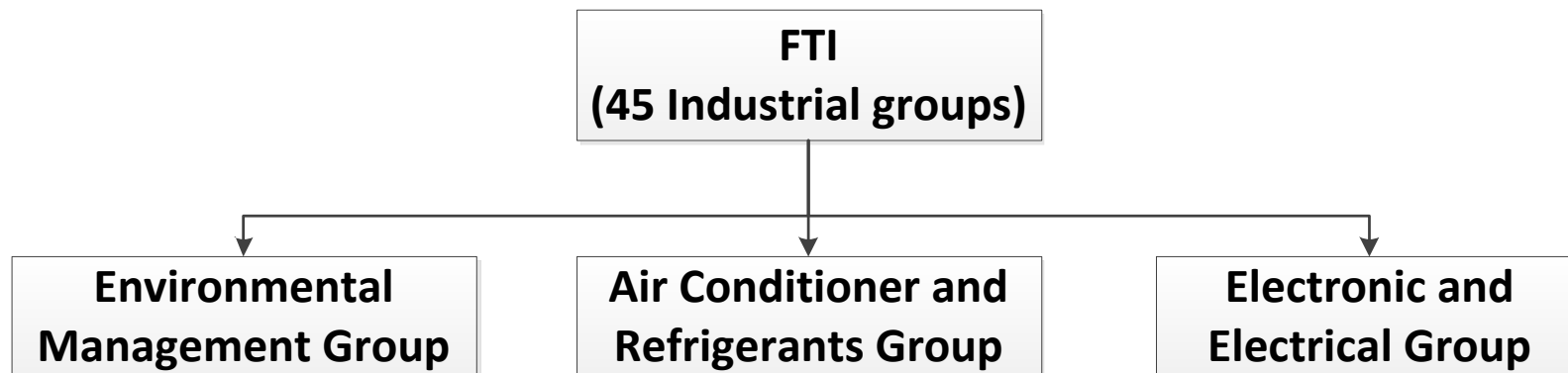
# Private Sector on EPR Progress

**Poonsak Chanchampee, Dr.-Ing.**

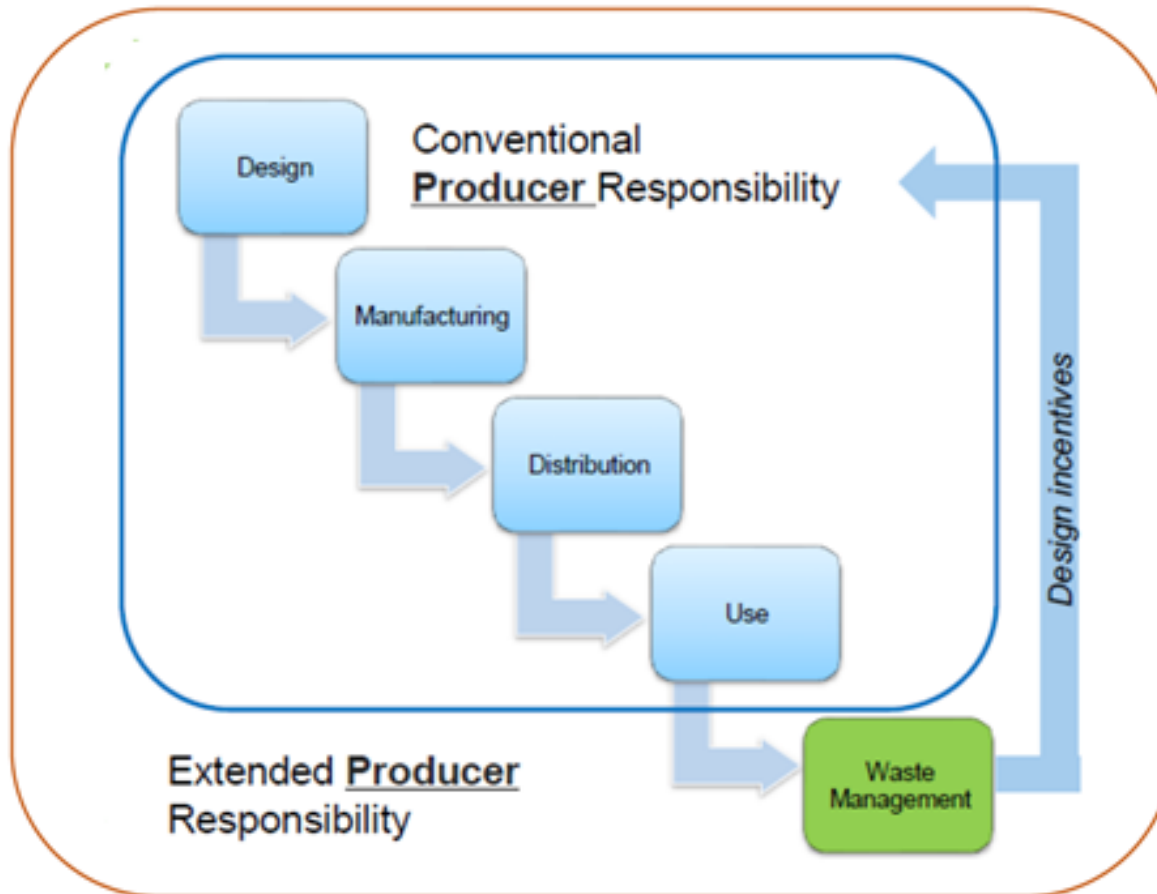
**2<sup>nd</sup> December 2019**

# Background of Federal Thai Industries (FTI)

1. Non-profit organization established in 1967
2. Representative of Thai Industries Business of the whole Kingdom
3. Operating 45 Industrial groups:



# EPR Systems



## Extended Producer Responsibility (EPR)

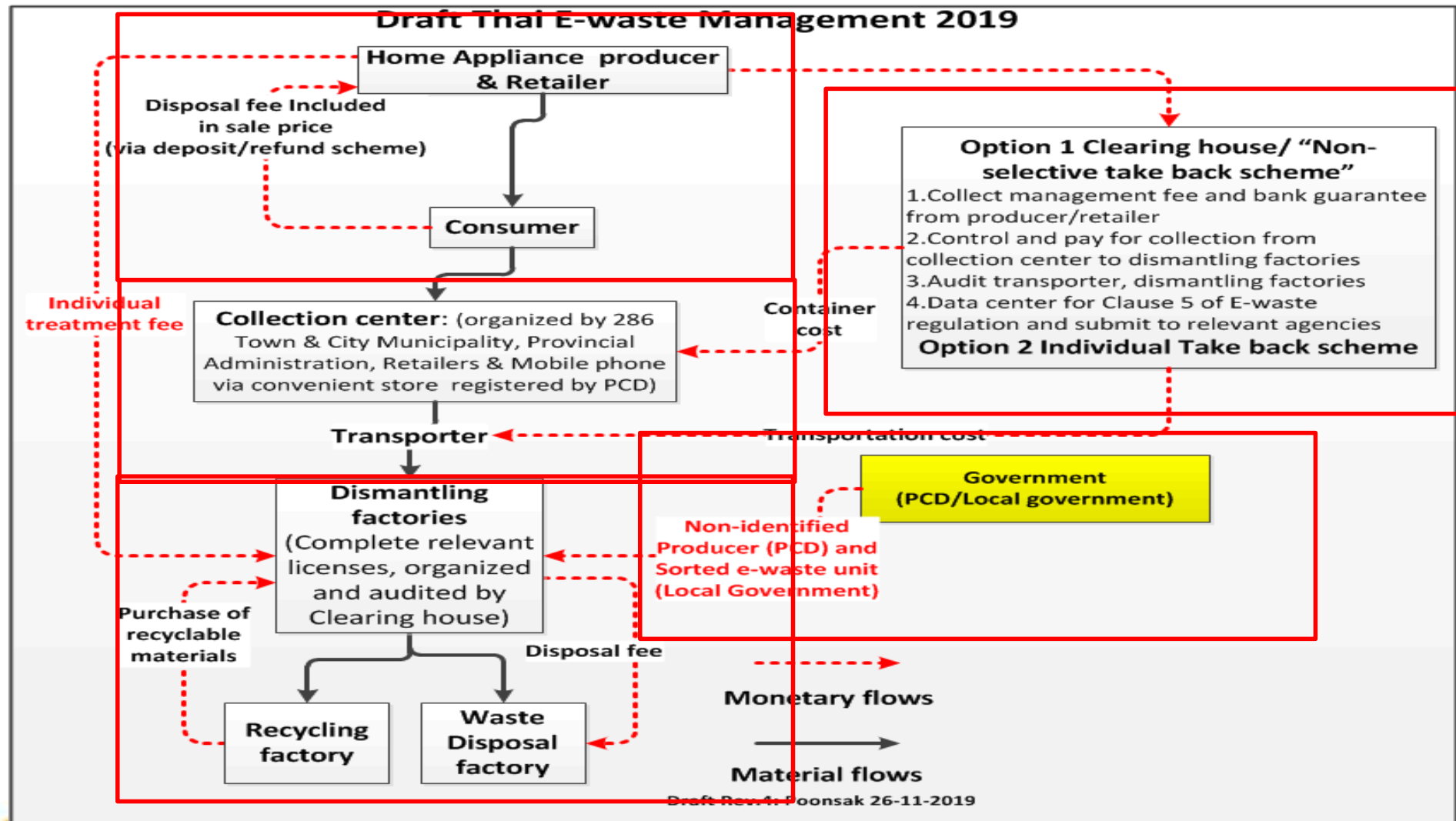
is a policy approach under which **producers** are given a significant **responsibility** – financial and/or physical – for the treatment or disposal of post-consumer products.

Source: OCED (<https://www.oecd.org/env/tools-evaluation/extendedproducerresponsibility.htm>)

# EPR in Practices

EPR	Stakeholders
EPR in Principles	Producers
	Consumers (Societies)
EPR in Practices	Government (Regulation)
	Municipalities (Collection center)
	NGOs
	Retailers
	Clearing houses
	Producers/Importers
	Trade Registration
Consumers (Societies)	

# Draft E-waste Flow Diagram



# Benefit of our proposal

- 1. Cost sharing reduce a burden to consumer**
- 2. Producers/Retailers pay the management fee based on the actual E-waste quantity**
- 3. Deposit/Refund system controls illegal collection and dismantling.**
- 4. Clearing house can be a representative for all stake holders**
- 5. “Free Rider” is eliminate through registration, bank guarantee etc.**
- 6. Government and municipality involve.**

# E-waste Dismantling and Pilot Project

## 1. Dismantling trial project

Materials: **TETA/FTI members**

Dismantling & Data analysis: **Supported by WMS & SCI Eco**

Time frame: **8 months (Dec 2019-July 2020)**

## 2. Pilot project for E-waste collection & Dismantling

Location: **Under discussion**

Cost: **Under discussion**

Procedure & Timeframe: **Under discussion**

# E-waste Dismantling Project

## Objectives

1. Assess potential trial dismantling demonstration of 5 E-wastes categories: *A/C, Refrigerator, TV, Computer, and Mobile phone*
  
2. Propose standard price of
  - 2.1 *Transportation cost (from collection center to dismantling facility)*
  - 2.2 *Dismantling fee = management cost + disposal cost + recycling cost*
  
3. Evaluate E-waste dismantling data in terms of:
  - 3.1 *Composition (including recycling rate)*
  - 3.2 *Effect of brands to dismantling cost*



# E-waste Dismantling Project: Delivery schedule

Month	Type	Delivery	Operation
December 2019	Phone PC, Notebook	Dec 17	Dec 18-20
January 2020	CRT TV & Computer Monitor,	Jan 14	Jan 15-17
February 2020	Flat TV	Feb 18	Feb 19-21
March 2020	Air Condition	Mar 10	Mar 11-13
April 2020	Refrigerator	Apr 7	Apr 8-10

# Challenge for E-waste Management in Thailand

- 1. Collaboration to develop E-waste take back & management scheme**
- 2. Control free rider**
- 3. Control cherry picking**
- 4. Governmental support**