



The Solid Waste Management of the Local Administrative Organization in Thailand

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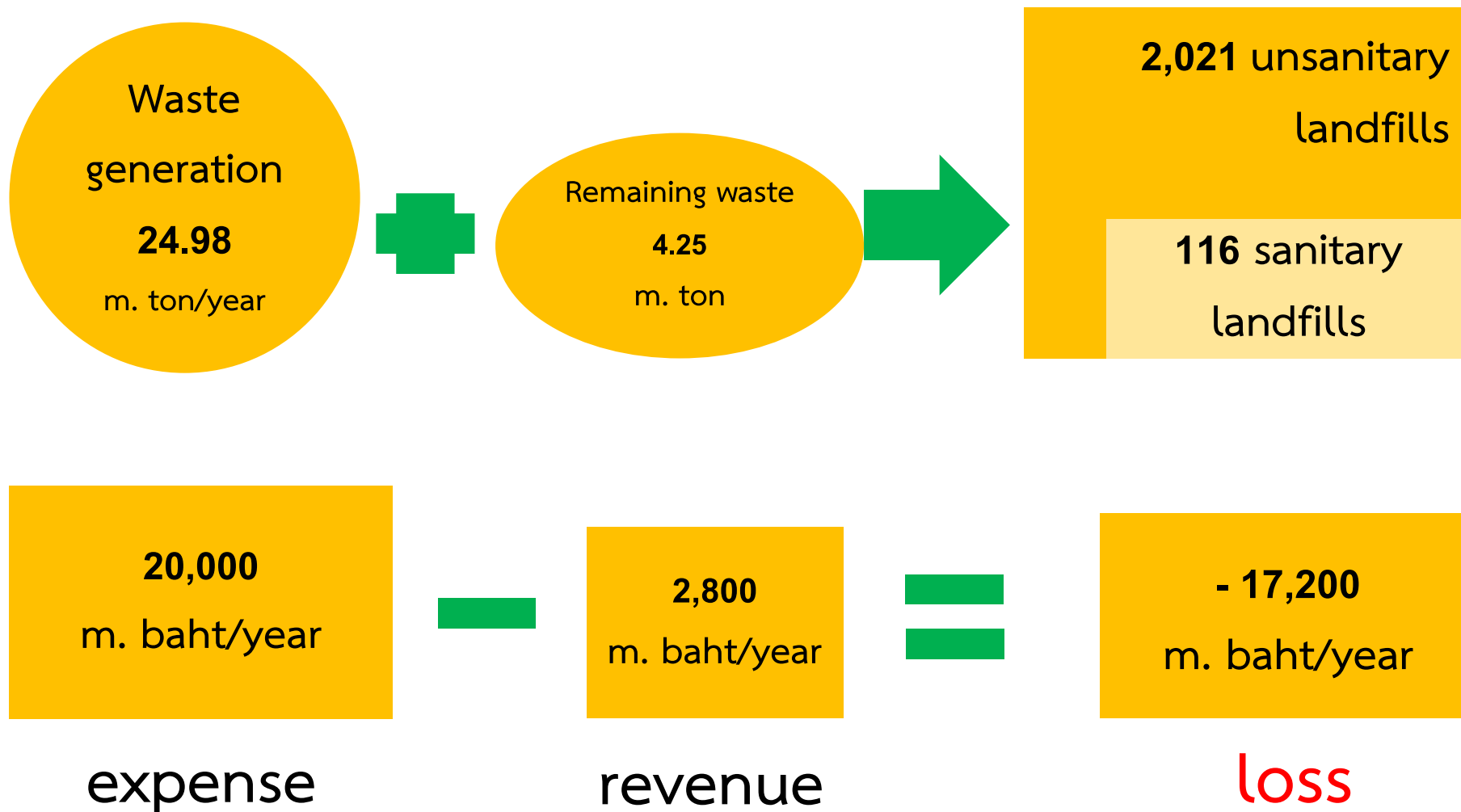


Outline of presentation

- **Introduction**
- **Roadmap on waste management of Ministry of interior**
- **Ministry of interior policy**
- **Clean Province Action plan**
- **Clusters**
- **Challenges**



Current situation

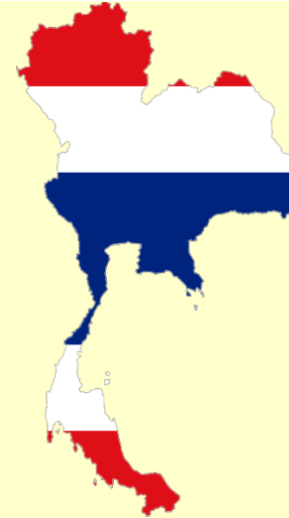


* ข้อมูล 2565





municipal solid waste
generation **24.98 m.**
ton/year



32 %



Taking an advantage
of waste
7.98 m. ton/year

37 %



Proper disposed
9.28 m. ton/year

31 %



Improper disposed
7.81 m. ton/year



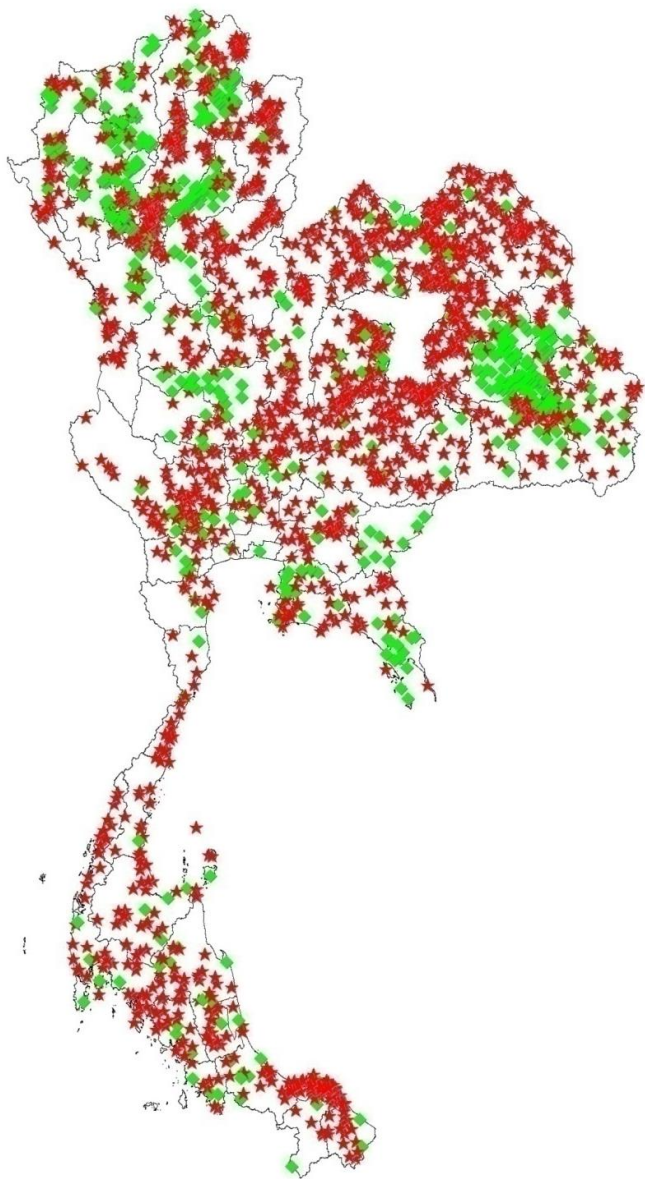
Remaining waste
4.25 m. ton





Waste disposal sites in Thailand 2022

2,137 Overall waste disposal sites in Thailand



● appropriate site **116 sites** **5.43 %**

Sanitary landfill	70 sites	60.35 %
Incinerator with air pollution treatment system	1 sites	0.86 %
Incinerator for power generation	20 sites	17.24 %
Composting site for fertilizers	5 sites	4.31 %
Mechanical and biological treatment system (MBT)	20 sites	17.24 %

★ In-appropriate site **2,021 sites** **94.57 %**

Dumpsite	1,707 sites	84.46 %
In-appropriate landfill	216 sites	10.69 %
Incinerator without air pollution treatment system	63 sites	3.12 %
Outdoor burning activities	35 sites	1.73 %



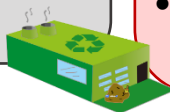
Roadmap on waste management of Ministry of interior

The government has set waste management as the **national agenda**.

The **Ministry of interior** is the main organizations in charge of this agenda.

19 August, 2014

- The establishment of waste incinerator plans



- 26 August, 2014
- Roadmap on solid waste management (Approved by the National Council for Peace and Order)
 - Emphasizing on transferring solid waste to energy
 - Encouraging private sector



12 May, 2015

- The Ministry of interior is the main organizations in charge of solving waste of the whole country



16 June, 2016

- Cluster grouping of the Local administrative organization
- National Solid Waste Management Master Plan (2016-2021)





Roadmap on waste management of Ministry of interior

The government has set waste management as the **national agenda**. The **Ministry of interior** is the main organizations in charge of this agenda.

Cluster setting of LAOs

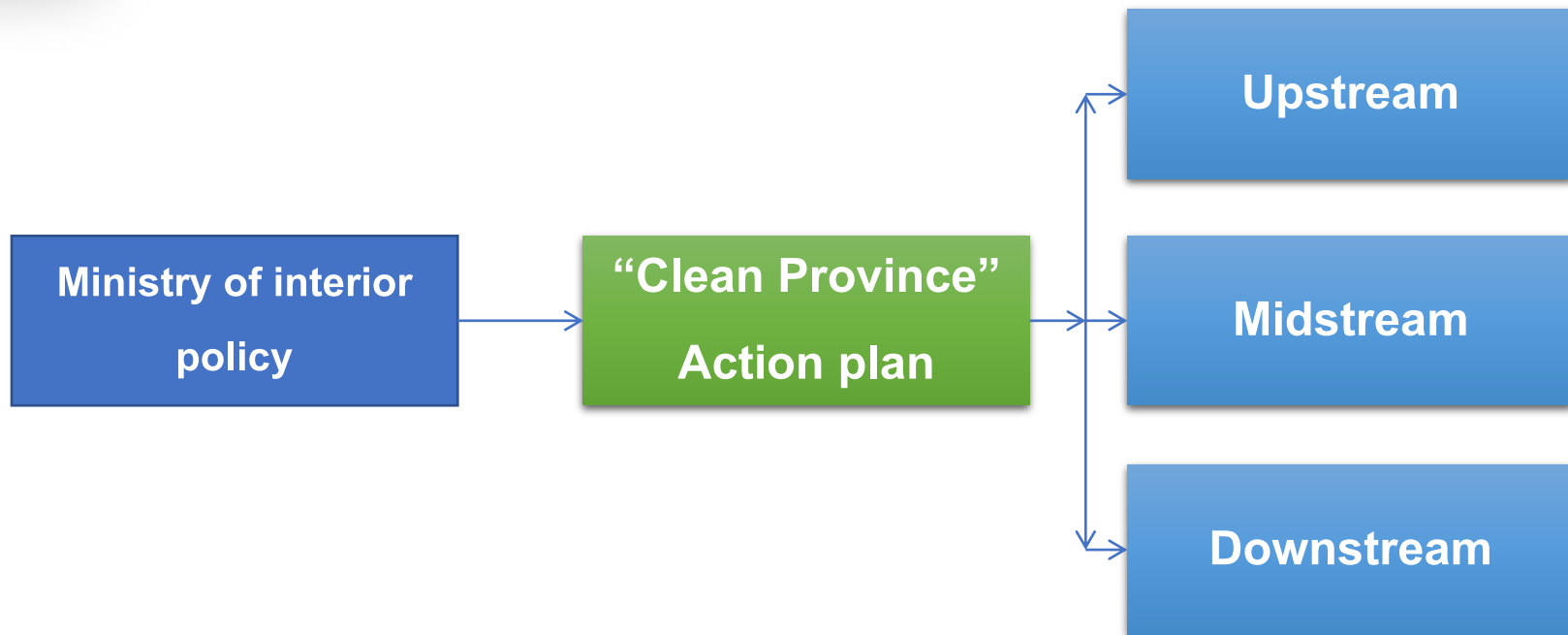
Improving legislations

Encouraging private sector



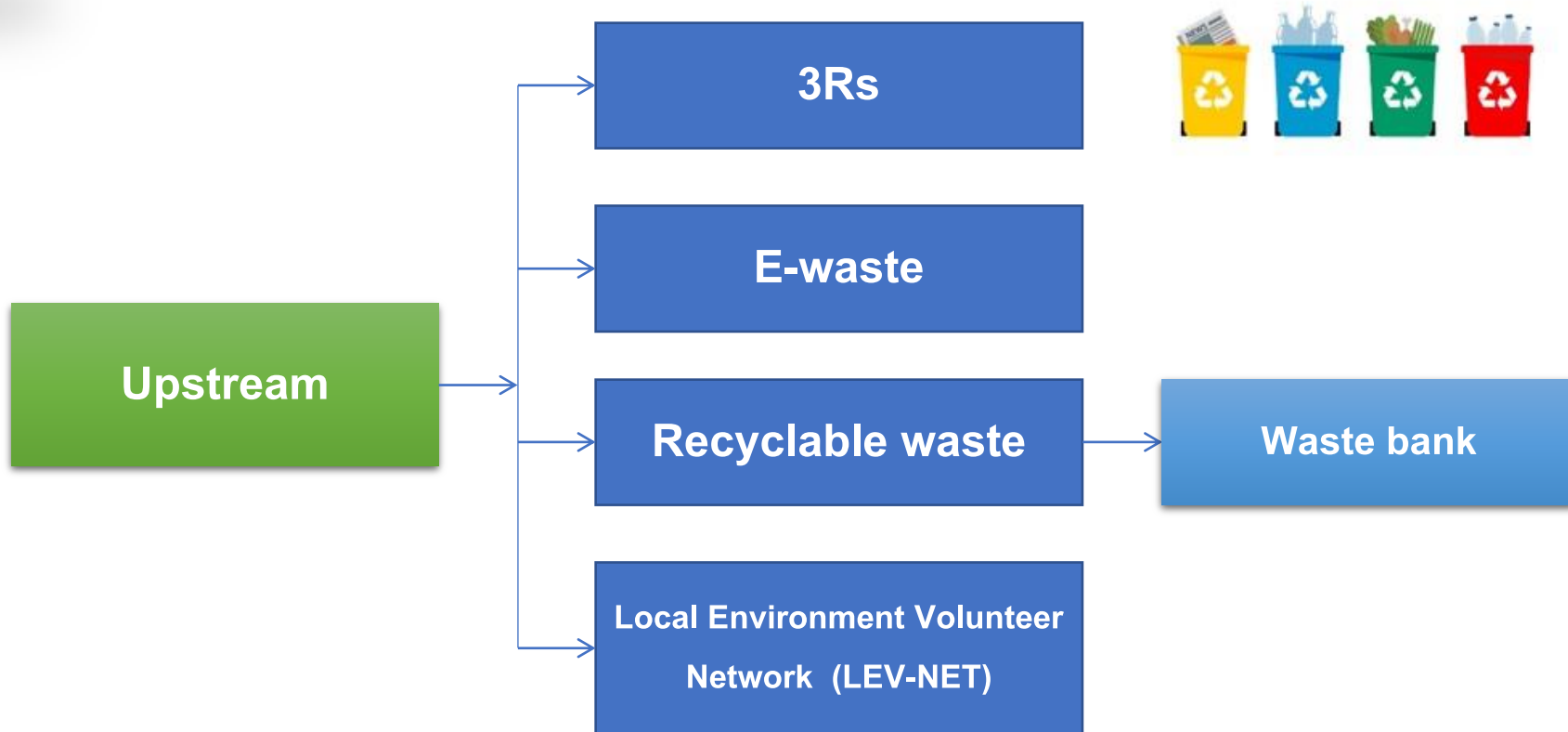


The Waste Management Policy by Ministry of Interior





Policy results





Policy results





Midstream

1. Set a time, date and place for waste collection and transportation which allowing LAOs can adjust their schedule by types, amount and place of waste.

ตารางการเก็บขยะบ้านเกาะคา

วัน	เช้า	บ่าย
จันทร์	ขยะทั่วไป	ขยะอินทรีย์
พฤหัสบดี	ขยะทั่วไป	ขยะอินทรีย์

"ได้ทั้งเงินและใจก็สดใส หากเราใส่ใจคัดแยกขยะ"



Sources of income

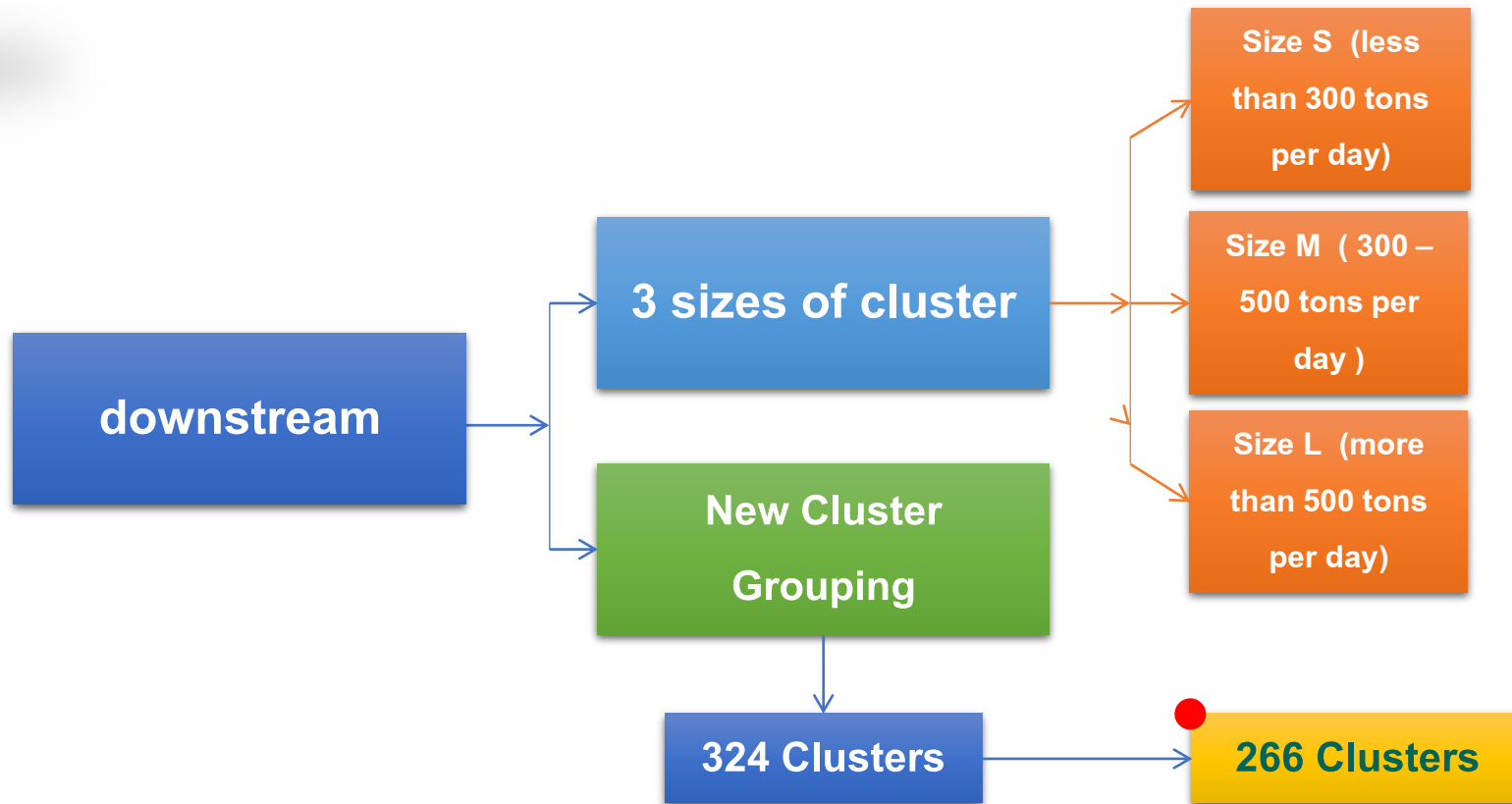
- LAOs' income
- Government funding

2. Support LAOs to have enough Garbage trucks





Policy results





Overview of downstream waste management system

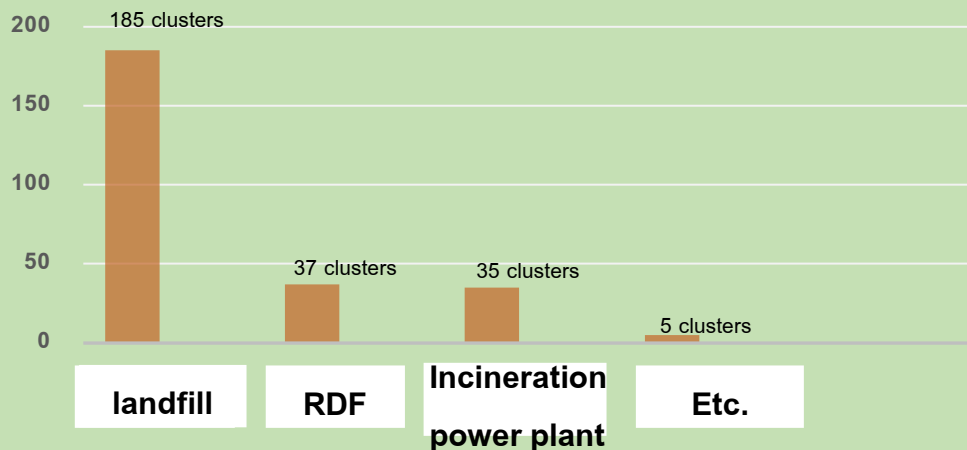
Clusters grouping of LAOs



266
clusters

* Including LAOs 6,875 organizations (From 7,775 organizations except Provincial Administrative Organization (PAO) and Bangkok.)

Waste management and operation of Clusters

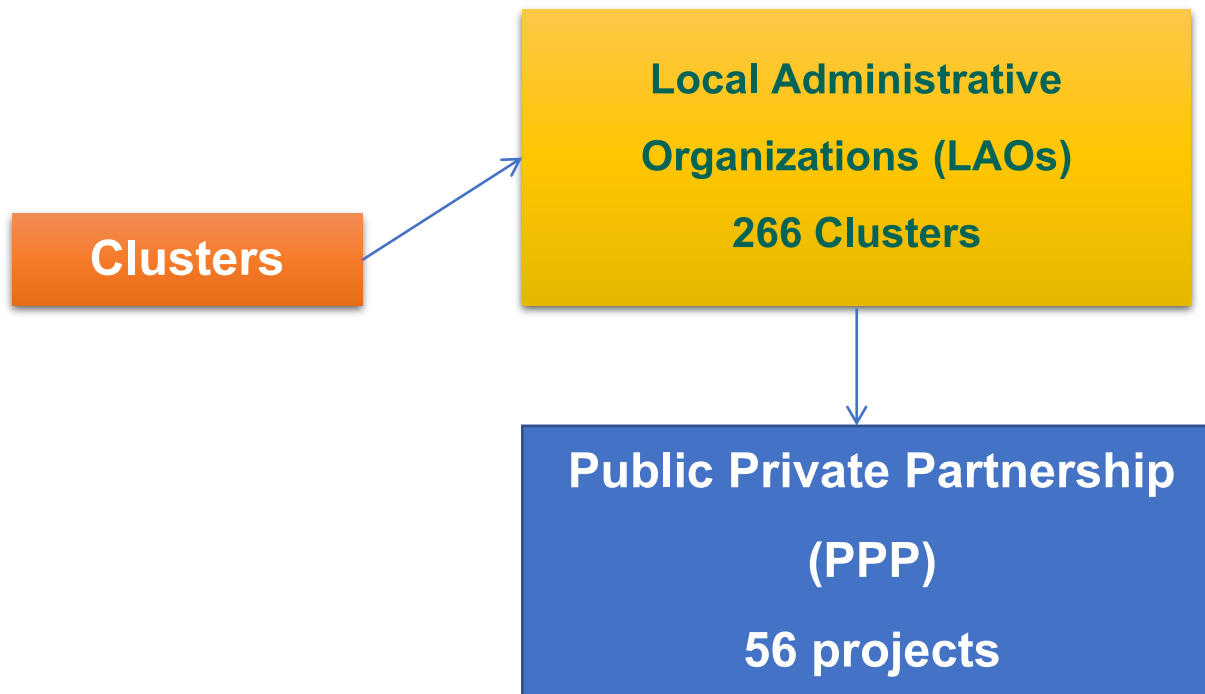


*note : etc. (incinerator without power generation system/recycling/Bio-gas)





Clusters





downstream

- Proper technology for waste disposing
solid wastes for power generation

RDF from municipal solid



**Incinerators for power
generation**

directly burning





downstream



Small incinerators



Sanitary Landfills



downstream

Organic compost

fertilizers

Bio-gas





Challenges

The lack of private sector involvement in solid waste management

Public opposition to waste incinerators and Power plants



Thank you for your attention

