Public-Private-People Partnerships on Plastic Waste Management in Thailand

BENJAMAS CHOTTHONG
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Presentation Issues

- Waste situation in Thailand
- P4 on plastic waste management
- Practice cases
- Lesson learns

TEI is a **non-profit organization**, founded in 1993

TEI was founded on the belief that **partnerships** are the most effective approach to achieving **sustainable development**.

TEI is an **action-oriented think tank** & serves as a reliable and up-to-date source of environmental knowledge.

*TEI is among the world’s top environmental think tanks for 6 consecutive years has been ranked by University of Pennsylvania.*
Waste situation in Thailand

Waste generation rate: 1.13 Kg/person/day
Recycling rate: 26%

18% from Bangkok

27,370,000 Tons/year

30% recyclable waste
3% general waste
3% Hazard waste
64% organic waste

Marine debris: ~1,000,000 Tons/year

Source: PCD, 2018
Plastic 60%  
Others 40%  

marine debris  
~1,000,000 Tons/year  

Source: DMCR, 2018
Major government organizations on (municipal) waste management

Ministry of Interior
- Department of Local Administration

Ministry of Natural Resources and Environment
- Office of Natural Resources and Environment Policy and Plan
- Department of Pollution Control
- Department of Environment Quality Promotion
- Department of Marine and Coastal Resources

Ministry of Public Health
- Department of Health

Ministry of Energy
- Department of Renewable Energy

Ministry of Transport
- Marine Department

"Solid waste became as a national agenda since 2014"

- Reduce waste generation
- Increase waste recycling and utilizing to energy
- Increase proper waste disposal
Reduce plastic waste

Public

Private

People

- National Environmental Committee
  Ministry of Natural Resources and Environment

- Federal of Thai Industries
  Plastic Business Group

- Retail Business Companies

- Thailand Business Council for Sustainable Development
  CSR and CSV activities

- Local communities
- Schools
- Universities
- Public

Public Private People Partnerships
No plastic bottle capseal

No single-use plastic in the National Parks

No providing single-use plastic bag in pilot retail branches and some National Days
University actions

NO MORE SINGLE USE PLASTIC
10 May 2018 @Creative Space Puey Library
Thammasat University

SAY NO TO PLASTIC BAGS

THAMMAST UNIVERSITY

Mahidol University

Chulalongkorn University

Thammasart University
Bring your own cup, get 5 THB off

น้ำแก้วมาเองลด 5 บาท

SAVE THE WORLD

Biodegradable Plastic

Bioplastic harma for a sustainable future

Compostable ผงพลาสติกที่มีประโยชน์ใช้ใหม่ ปลอดภัยต่อสิ่งแวดล้อม
Zero waste communities & Zero waste schools

- Social capital and community-based solid waste management
- Support by local government and local stakeholders
- Reduce waste from point sources and increase waste segregation, recycling and utilization
- Motivate community to perform an actions and presenting award to the winners
Lesson learns

Downstream areas receive plastic waste from upstream and elsewhere, it’s a very challenge …

Strong **control and measurement** are needed for cutting down plastic from waste generation cycle

Actions taken on plastic wastes seems too small for changing the situation

Small pieces of plastic usually do not get into the recycling process and become waste
Environmental Mastery, Moral Integrity, Accountable Partnerships, and Down-to-earth Practicality

16/151 Muang Thong Thani, Bond Street, Bangpood, Pakkred, Nonthaburi 11120 THAILAND

Tel no. +662 503 3333
Fax no. +662 504 4826

https://www.facebook.com/tei.service

Website  www.tei.or.th
Email     info@tei.or.th