

The Collaborative Actions
for Single-Use Plastic Prevention
in Southeast Asia

(CAP SEA)

BACKGROUND

Existing production and consumption patterns in Southeast Asian countries are mostly based on a linear raw materials economy in which plastic materials are poorly managed and disposed as waste after a short period of use. The widespread use of single-use plastic (SUP) contributes significantly to the pollution of water and seas. Low raw material prices, counterproductive incentive systems, a lack of awareness and missing alternatives are the main reasons for the rapidly growing amount of disposable plastic.

In response to this, Thai, Malaysian and Indonesian policy makers have recognised that the introduction of circular economy principles in production and trade along the waste hierarchy (i.e. reduce, reuse, recycle) can be an essential solution. The project therefore responds to Malaysia's Plastics Sustainability Roadmap (2021-2030), Thailand's Bio-Circular-Green (BCG) Economy Model and Roadmap on Plastic Waste Management (2018-2030) and Indonesia's National Action Plan on Marine Plastic Debris (2017-2025).



OUR GOAL

The aim is to reduce single-use plastic waste with a clear focus on upstream strategies of prevention and promotion of re-use approaches. To this end, the project employs the Circular Economy Waste Hierarchy which prioritizes the prevention (Promote sufficiency and take responsibility: Rethink, refuse, reduce) and re-use of plastic products (reusable container systems, reverse logistics, etc.) before recovering resources for recycling. Disposal should be the final option, resulting in minimal waste.

The project contributes directly to the Sustainable Development Goal to ensure sustainable production and consumption patterns (SDG 12), especially Target 12.5 "By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse". CAP SEA is part of the GIZ global project to support the "Export Initiative Environmental Protection".



WHAT

Institutional Framework:

We advise and support our local partners in the development of recycling markets and implementation of systems for EPR (in Malaysia). Furthermore, we provide advice on product related environmental protection such as the development of eco-designs, recycled content targets, recyclability guidelines and material efficiency criteria. These can then be certified with eco-labels and supported through sustainable public procurement.

WE DO

New Business Solutions:

We support Thai, Malaysian, Indonesian and international partners in the development of innovative and sustainable reuse business models such as reusable food container systems for food delivery and refill applications for (household) cleaning products.

Pilot Projects:

We design and implement pilot projects aiming at SUP reduction with local municipalities and businesses. Our pilot projects are in Phuket, Shah Alam and Jakarta.

Knowledge Management:

We analyse and collect lessons learnt and disseminate best practices to relevant institutions through pre-studies and knowledge sharing events.

DONOR

German Federal Ministry for the Environment,
Nature Conservation, Nuclear Safety and Consumer Protection
(BMUV)

COUNTRIES OF IMPLEMENTATION

Indonesia

Malaysia

Thailand

PROJECT PARTNERS



Thailand

- National Metal and Material Technology Center/ National Science and Technology Agency (NSTDA)
- The Office of National Higher Education Science Research and Innovation Policy Council (NXPO)
- Thailand Environment Institute (TEI)
- Pollution Control Department (PCD)
- Thai Business Council on Sustainable Development (TBCSD)
- Thai Industrial Standards Institute (TISI)
- Plastic Industry Club/ Federation of Thai Industries (FTI)
- Plastic Institute of Thailand (PITH)
- Department of Environmental Quality Promotion (DEQP)
- Food and Drug Administration (FDA)
- ÖKO Institut e.V.



Malaysia

- Economic Planning Unit, Prime Minister Department
- Ministry of Environment and Water
- Ministry of Housing and Local Government
- Malaysian Green Technology and Climate Change Centre
- Standard and Industrial Research Institute of Malaysia
- ÖKO Institut e.V.
- Zero Waste Living Lab Malaysia by Enviu
- cyclos GmbH



Indonesia


- Coordinating Ministry of Maritime Affairs and Investment
- Provincial Government of DKI Jakarta
- National Plastic Action Partnership
- ÖKO Institut e.V.
- ALLAS by ENVIU
- The Indonesian Plastic Bag Diet Movement



DURATION

August 2019 —> March 2023


OUR RESOURCES



LINK

Recycled content in plastic material with focus on PET, HDPE, LDPE, PP

State of play

giz 



LINK

Design-for-recycling (D4R) - State of play

giz 



LINK

Considerations for packaging classification

Internal paper prepared for the Technical Working Groups of the CAP-SEA project in partner countries



giz 




LINK

Why are biobased and biodegradable plastic not part of the solution to reduce plastic waste?

Checking the facts!



giz  



LINK

Material choices for environment-friendly packaging design

Analysis of existing Life Cycle Assessment (LCA) studies

giz  



LINK

Economic Measures for Packaging Waste Prevention

Short Report 1 (19.06.2022)

giz  




LINK

Feasibility study on implementing the economic and fiscal measures for the prevention and reduction of plastic packaging waste in Thailand



25 February 2022

giz  



LINK

SIP and Packaging Waste Prevention Policy Recommendation for Thailand

giz  



For more information

Mr. Christoffer Brick
Project Lead, CAP SEA Project
Email: christoffer.brick@giz.de