SEA circular
Solving Plastic Pollution at Source in South-East Asia
Resource Deck
This resource deck contains a range of knowledge products and solutions for addressing plastic pollution in South-East Asia that have been generated as part of the SEA circular project – Reducing Marine Litter by Addressing the Management of the Plastic Value Chain in South-East Asia. It contains 18 research and assessment reports; 23 inspiring case studies; 21 practical tools and manuals; 6 project country profiles; and 14 videos.

SEA circular is jointly implemented by the United Nations Environment Programme (UNEP) and the Secretariat of the Coordinating Body on the Seas of East Asia (COBSEA), with funding from the Government of Sweden. The beneficiary countries are Cambodia, Indonesia, Malaysia, the Philippines, Thailand and Viet Nam.

UNEP acknowledges and appreciates its partners for their continuous effort and collaboration in developing knowledge products, recommendations and best practices to end plastic pollution in South-East Asia.

Contact:

Kamala Ernest
Project Coordinator,
United Nations Environment Programme (UNEP)

E-mail: sea-circular@un.org
Website: https://www.sea-circular.org/
Contents

1 Research and assessments
2 Case studies
3 Tools and manuals
4 Country profiles
5 Videos
Please use the **arrow buttons** and **icon tabs** to scroll through the knowledge products.
Research and assessments
The purpose of this Situation Analysis is to investigate and articulate the Cambodian context pertaining to marine litter...

The National Source Inventory (NSI) report is intended to collect available data in Cambodia on plastic products, lifecycle...

This National Source Inventory (NSI) report identifies sources of available data and knowledge related to marine litter in the Philippines...
This study aims to bridge existing research gaps and bring to light a better understanding of plastic credit schemes.

A Qualitative Study on Risks: Executive Summary

Theme: Plastic credits

This study aims to bridge existing research gaps and bring to light a better understanding of plastic credit schemes.

A Qualitative Study on Risks: Working Paper

Theme: Plastic credits

This study provides the most recent data available on plastic waste management in Thailand, focusing on types of plastic packaging....
This report seeks to provide a picture of the current plastic credits mechanism as well as recommendations for it to be...

This report is aimed at compiling existing knowledge about plastic credits in order to support the path towards...

In the rapidly urbanizing world, the crisis in waste management and plastic pollution is a reflection of current unsustainable lifestyles...
Kep city has the great potential for eco-tourism while the inadequate solid waste management is part of the underlying vulnerability to environmental hazards such as flooding and the damage of the terrestrial and marine ecosystems.

Solid waste management is the priority issue to promote the sustainable urbanisation in the city. With technical support from UN-Habitat and the use of Waste Wise City Tool, the city would better understand the most current situation of municipal solid waste in the city and guide better strategic planning.

The availability of fact-based data on municipal solid waste can guide evidence-based planning and lead to increasingly effective and efficient solid waste...
In the rapidly urbanizing world, the crisis in waste management and plastic pollution is a reflection of current unsustainable lifestyles. The availability of fact-based data on municipal solid waste can guide evidence-based planning and lead to increasingly effective and efficient solid waste collection systems, enhanced local resource recovery and controlled waste disposal, thereby improving the quality of life for urban residents.

UN-Habitat's Waste Wise Cities Tool (WaCT) assesses the parameters for Sustainable Development Goal indicator 11.6.1 - the proportion of municipal solid waste collected and managed in controlled facilities out of total municipal solid waste generated, by the city. It consists of seven steps and provides the necessary data to support evidence-based decision making by city managers.

Waste Wise Cities Tool in Tam Kỳ, Vietnam

Identifying Plastic Waste Leakage Hotspots and Flows in South-East Asia

WaCT guides cities and local governments through the steps to assess the environmental performance of a Municipal Solid Waste Management system...
The scope of this study is pollution from marine plastic in Southeast Asia and East Asia, with a focus on the 13 member states of ASEAN+3...

This report identifies some of the existing information gaps by providing a synthesis of social and economic impacts and their gender and human rights dimensions...

This report outlines the findings from surveys targeting consumers and food and beverage businesses, conducted in Indonesia, Malaysia, Philippines, Thailand and Viet Nam.
Case studies
Of the 8 million tons of plastics that enter the oceans every year, 600,000 tons are estimated to come from Indonesia...

Plastic waste contributes to 80 per cent of the litter found on Cambodia’s beaches and is significantly impacting...

The Plaf collects and recycles plastic waste of all types and turns it into a range of construction materials...
A large share of the Philippines’ fast-moving consumer goods (FMCGs) are accessed through sari-sari stores... Only about 25 per cent of its plastic waste is recycled in Thailand. This is attributed to inefficiencies in the waste collection sector...
This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase...

Mismanaged plastic waste continues to pose a challenge in developing countries such as the Philippines. The mismanagement...
This case study demonstrates market-based solutions towards “less plastic wasted”, exemplary solutions for transformational changes in the way plastic...
This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase exemplary market-based solutions for transformational changes in the way plastic is managed in the value supply chain. Circular Economy approaches, including business incentives for plastic reduction and recycling, are used, leading to increased plastic re-use and recycling, and to the reduction of single-use plastic packaging.

Teaching Fishermen How to Fish: Reviving an Industry and Dealing with Plastic

This case study demonstrates market-based solutions towards "less plastic wasted", exemplary solutions for transformational changes in the way plastic...
This case study demonstrates market-based solutions towards “less plastic wasted”, exemplary solutions for transformational changes in the way the plastic...
This series captures circular economy approaches, ranging from innovative business models to behaviour change initiatives, to address plastic pollution...

These approaches form part of the SEA circular project’s “circularity framework for the plastic value chain...
This case study on Waste Segregation at Source: Solving Plastic Pollution aims to reduce the usage of single-use plastic, promote waste segregation...

3R (Reduce, Reuse, Recycle) Initiatives: Solving Plastic Solution at Source in Petaling Jaya

Theme: Plastic circularity

This case study focuses largely on recycling and the role that the government (Petaling Jaya City Council or MBPJ) as well as the private sector...

Waste Segregation at Source: Solving Plastic Pollution in Penang

Theme: Plastic circularity

This case study on Waste Segregation at Source: Solving Plastic Pollution aims to reduce the usage of single-use plastic, promote waste segregation...
Tools and manuals
End Plastic Pollution: A Knowledge Compendium for Less Plastic Waste in South-East Asia

Theme: Plastic circularity

This knowledge compendium has been developed to serve as a useful reference compiling all the publications that SEA circular...

Marine Litter Monitoring Methods Handbook, Part I

The Marine Debris Monitoring Methods Handbook, Part 1 (this handbook) seeks to provide information to participants in...

COBSEA CSIRO Marine Litter Monitoring Methods Handbook Part II

Theme: Marine litter monitoring
Languages: English, Khmer, Malay, Tagalog, Thai, Vietnamese

The Marine Litter Monitoring Methods Handbook provides information to participants in COBSEA participating countries...
EPR Toolkit 1 aims to guide policymakers on the nitty-gritty of the EPR Law and how this can be integrated into national and local policies...

Extended Producer Responsibility (EPR) Law
Toolkits for the Philippines
Toolkit 1: The EPR System and Policy Landscape
November 2022
Prepared for: Rhys Consult

EPR Toolkit 2 aims to guide the business sector on the EPR Law, how to transition into a circular economy, and how this can be integrated...

Extended Producer Responsibility (EPR) Law
Toolkits for the Philippines
Toolkit 2: The EPR System and Business Sector
November 2022
Prepared for: Rhys Consult

EPR Toolkit 3 aims to guide the waste management sector on how they can go about their operations with the implementation of the EPR Law...

Extended Producer Responsibility (EPR) Law
Toolkits for the Philippines
Toolkit 3: The EPR System and Waste Management Sector
November 2022
Prepared for: Rhys Consult
EPR is an environmental policy approach that encourages plastic waste reduction through (1) the elimination of unnecessary...
The trainings on Business, Human Rights and the Environment: Overcoming the Plastics Challenge are designed to build the...

The primary learning objective of module 1 is to introduce learners to the human rights impacts of each stage of the linear...
The primary learning objective of module 3 is to introduce learners to business and human rights frameworks, focusing on the...
This Checklist illustrates practical steps that state or government institutions and officials can take to implement a human rights-based approach to...
This SEA circular Issue Brief gives an overview of the links between gender, the environment and marine pollution and discusses measures to...
SEA circular country profile: Cambodia

**Theme:** Plastic circularity, marine litter monitoring

This SEA circular country profile for Cambodia covers the socio-economic profile of Cambodia, and the coastal and marine...

Go to publication
This SEA circular country profile for Thailand covers the socio-economic profile of Thailand, and the coastal and marine...
A Call to #BeatPlasticPollution in Viet Nam

Theme: A call to action

The #BeatPlasticPollution campaign video for Viet Nam.

A Call to #BeatPlasticPollution in Thailand

Theme: A call to action

The #BeatPlasticPollution campaign video for Thailand.

A Call to #BeatPlasticPollution in Malaysia

Theme: A call to action

The #BeatPlasticPollution campaign video for Malaysia.
Inclusion across the plastic value chain entails the empowerment of marginalized groups and communities.

Meaningful partnerships are critical to ensure an efficient and effective transition to circular economies.

Focus on zero plastic bottles, transforming marine litter and nature-based food packaging.
Change your everyday habit today, and keep that habit for life.

Our future is in our hands. Say no to single-use plastic.

Hear from exemplary solutions at the fore of transforming linear systems into circular economies.
Plastic waste travels thousands of kilometres to end up incinerated, dumped and leaked into rivers and seas. What if less money was spent on inadequate management of plastic pollution, and more on solutions? There’s a SEA of solutions to #BeatPlasticPollution in South-East Asia.
Reducing plastic waste as we build back better. Promoting action along the value chain to leave no one behind.

**SEA of Solutions 2021**

**Theme:** Plastic circularity

Reducing plastic waste as we build back better.

**Rights and responsibilities**

**Theme:** Social awareness and inclusion

Promoting action along the value chain to leave no one behind.