SEA circular
solving plastic pollution at source

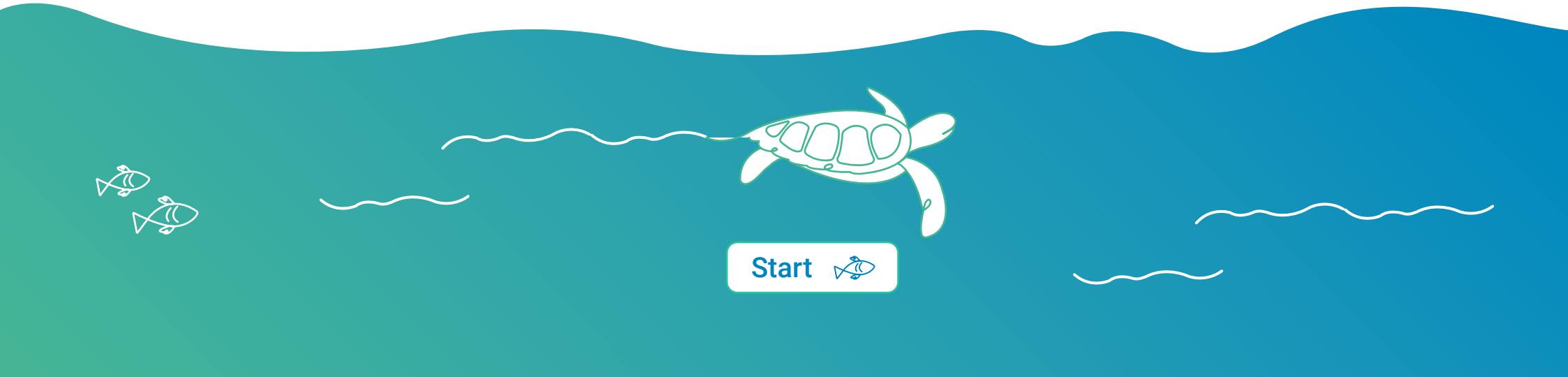
COBSEA
COORDINATING BODY ON THE SEAS OF EAST ASIA

UN environment programme

SEA circular

Solving Plastic Pollution at Source in South-East Asia

Resource Deck



Start

Introduction and acknowledgements

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.

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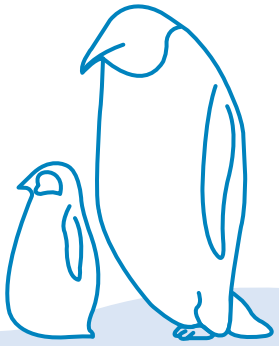
United Nations Environment Programme (UNEP)

E-mail: sea-circular@un.org

Website: https://www.sea-circular.org/



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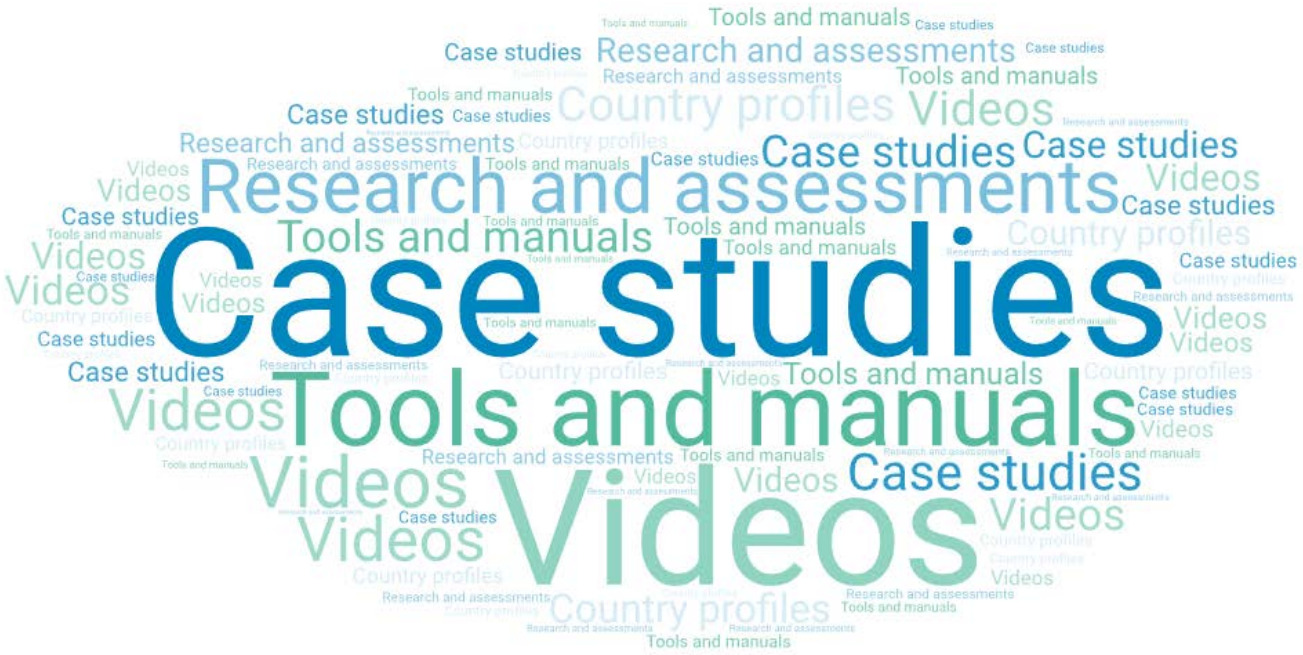
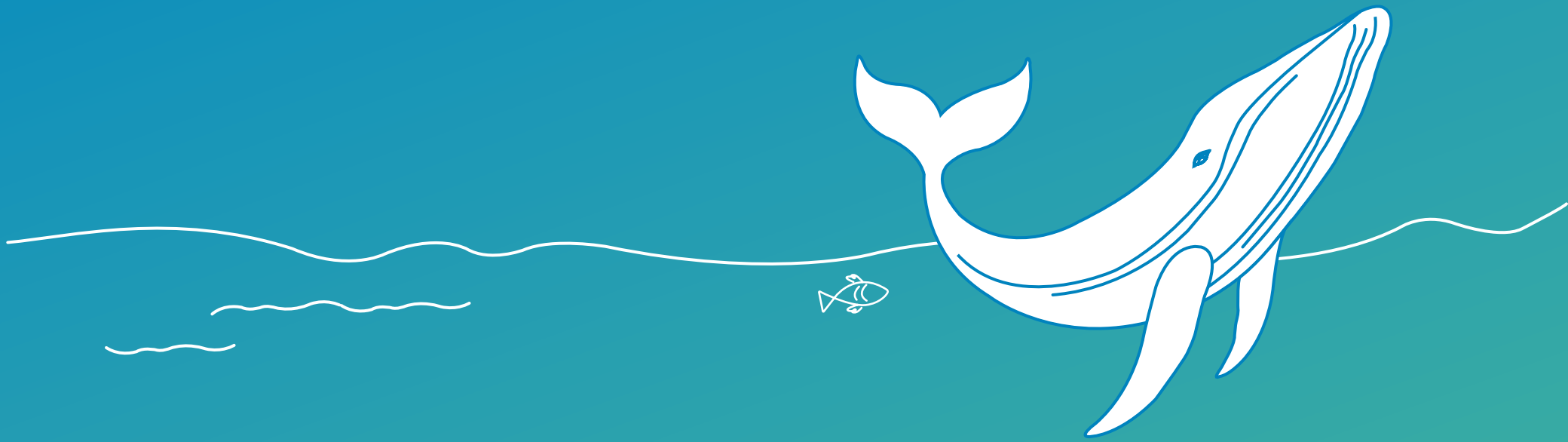
COBSEA COORDINATING BODY ON THE SEAS OF EAST ASIA
SEA circular solving plastic pollution at source
Sweden Sverige

Contents



Please use the **arrow buttons** and **icon tabs** to scroll through the knowledge products.



Research and assessments

Marine Litter in Cambodia

Theme: Marine litter monitoring

The purpose of this Situation Analysis is to investigate and articulate the Cambodian context pertaining to marine litter...

Go to publication

Addressing Marine Litter in Cambodia

Theme: Marine litter monitoring

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

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Addressing Marine Litter in the Philippines

Theme: Marine litter monitoring

This National Source Inventory (NSI) report identifies sources of available data and knowledge related to marine litter in the Philippines...

Go to publication

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.

Go to publication

A Qualitative Study on Risks: Working Paper

Theme: Plastic credits

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

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Plastic Material Flow and Value Chain Analysis (Thailand)

Theme: Plastic waste leakage

This study provides the most recent data available on plastic waste management in Thailand, focusing on types of plastic packaging...

Go to publication

Assessing the Contribution of Plastic Credit Schemes: Executive Summary

Theme: Plastic credits

This report seeks to provide a picture of the current plastic credits mechanism as well as recommendations for it to be...

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Assessing the Contribution of Plastic Credit Schemes: Working Paper

Theme: Plastic credits

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

Go to publication

Waste Wise Cities Tool in Chonburi, Thailand

Theme: Plastic waste assessment

In the rapidly urbanizing world, the crisis in waste management and plastic pollution is a reflection of current unsustainable lifestyles...

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Waste Wise Cities Tool in Hội An, Vietnam

Theme: Plastic waste assessment

The availability of fact-based data on municipal solid waste can guide evidence-based planning and lead to increasingly effective and efficient solid waste...

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Waste Wise Cities Tool in Kep, Cambodia

Theme: Plastic waste assessment

Kep city has the great potential for eco-tourism while the inadequate solid waste management is part of the underlying vulnerability to...

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Waste Wise Cities Tool in Seremban, Malaysia

Theme: Plastic waste assessment

The availability of fact-based data on municipal solid waste can guide evidence-based planning and lead to increasingly effective and efficient solid waste...

Go to publication

Waste Wise Cities Tool in Sihanoukville, Cambodia

Theme: Plastic waste assessment

Sihanoukville has grown rapidly along with the developments of Sea Ports, Special Economic Zone, Tourism, International Airport...

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Waste Wise Cities Tool in Tam Kỳ, Vietnam

Theme: Plastic waste assessment

In the rapidly urbanizing world, the crisis in waste management and plastic pollution is a reflection of current unsustainable lifestyles...

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

Theme: Plastic waste assessment

WaCT guides cities and local governments through the steps to assess the environmental performance of a Municipal Solid Waste Management system...

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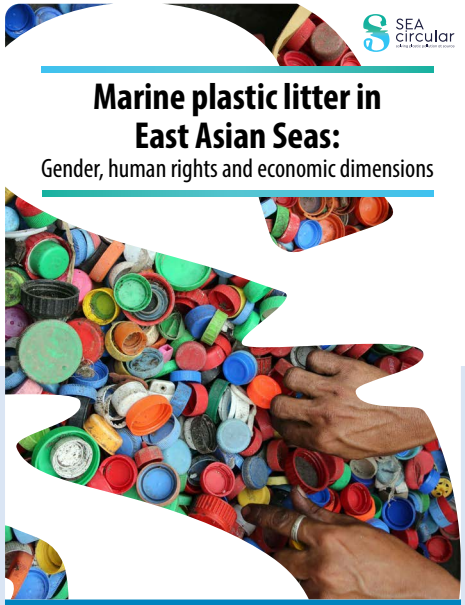

Marine Plastic Litter in East Asian Seas: Gender, Human Rights and Economic Dimensions

Theme: Human rights and gender equality

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...

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Status of Research, Legal and Policy Efforts on Marine Plastics in ASEAN +3

Theme: Plastic waste assessment

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...

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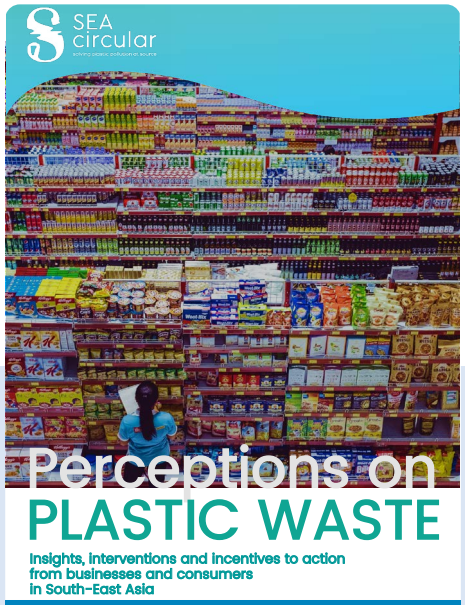

Perceptions on Plastic Waste

Theme: Plastic waste assessment

This report outlines the findings from surveys targeting consumers and food and beverage businesses, conducted in Indonesia, Malaysia, Philippines, Thailand and Viet Nam.

Go to publication

Case studies

KoinPack: Technology-enabled Reusable Packaging

Theme: Plastic circularity

Of the 8 million tons of plastics that enter the oceans every year, 600,000 tons are estimated to come from Indonesia...

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TONTOTON: Community-based Plastic Credit Solution

Theme: Plastic circularity

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

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Plaf: Turning Plastic Trash into Treasure

Theme: Plastic circularity

The Plaf collects and recycles plastic waste of all types and turns it into a range of construction materials...

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PT PIPA: Drinking Water System with Zero Plastic Packaging

Theme: Plastic circularity

PT PIPA aims to tackle the dual challenge of plastic and water by addressing “business as usual” practices...

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WU: A Micro-business-driven Solution for Zero-waste Communities

Theme: Plastic circularity

A large share of the Philippines’ fast-moving consumer goods (FMCGs) are accessed through sari-sari stores...

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Trash Lucky: An Incentive Model for Behaviour Change in Managing Plastic Waste

Theme: Plastic circularity

Only about 25 per cent of its plastic waste is recycled in Thailand. This is attributed to inefficiencies in the waste collection sector...

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Envirotech: Fostering Collaboration for Upcycling and Circularity in the Philippines

Theme: Plastic circularity

The Philippines is the third largest contributor of plastic pollution, with an estimated 0.75 million metric tons of its mismanaged...

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Plastic bank: Sustainable and Ethical Collection Infrastructure for Plastic Waste

Theme: Plastic circularity

This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase...

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Iloilo City: City-university Collaboration for Plastic-free Cities

Theme: Plastic circularity

Mismanaged plastic waste continues to pose a challenge in developing countries such as the Philippines. The mismanagement...

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Food Delivery: Promoting Sustainability Throughout the Food Delivery Value Chain

Theme: Plastic circularity

This case study demonstrates market-based solutions towards “less plastic wasted”, exemplary solutions for transformational changes in the way plastic...

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Nature-based Food Packaging: Alternative to Plastic Packaging

Theme: Plastic circularity

This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase...

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Giving Old Clothes New Life: Empowering Inclusivity and Reusing Plastic

Theme: Plastic circularity

Circular Economy approaches, including business incentives for plastic reduction and recycling, are used, leading to increases in plastic re-use and recycling...

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Education to Empower: Citizen Science and Education to Empower Communities for Safer and Cleaner Environments

Theme: Plastic circularity

This case study demonstrates market-based solutions towards “less plastic wasted”, exemplary solutions for transformational changes in the way plastic...

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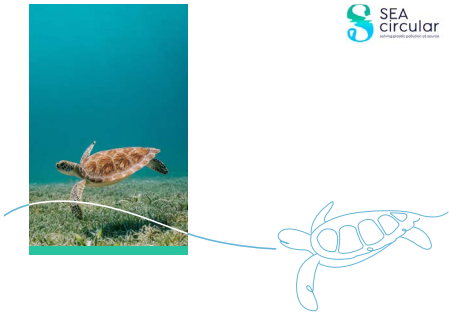

Sustainable Funding Mechanisms that Empower Communities and Clean the Oceans

Theme: Plastic circularity

This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase exemplary market-based...

Go to publication

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

Theme: Plastic circularity

This case study demonstrates market-based solutions towards “less plastic wasted”, exemplary solutions for transformational changes in the way plastic...

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Recycling the Unrecyclable

Theme: Plastic circularity

This case study demonstrates market-based solutions towards “less plastic wasted”, exemplary solutions for transformational changes in the way the plastic...

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Enabling Hotels to Sustainability Through Voluntary Collective Action

Theme: Plastic circularity

This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase exemplary...

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Local Strategies to Effective Plastic Waste Management Models

Theme: Plastic circularity

This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase exemplary market-based...

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Influencing the Value Chains to Reduce Plastic Use

Theme: Plastic circularity

This good practice case study is part of a series of knowledge products developed by the SEA circular project to showcase exemplary market-based...

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Experiences in Plastic Offsetting

Theme: Plastic circularity

This series captures circular economy approaches, ranging from innovative business models to behaviour change initiatives, to address plastic pollution...

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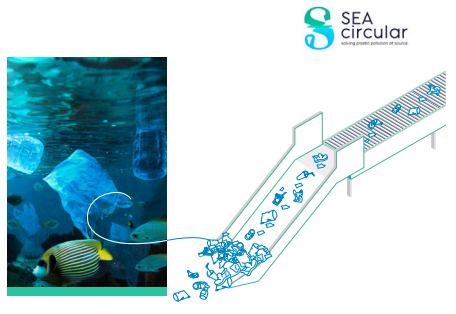


Ecosystem Business Model for Small Communities and a Renewed Sense of Value Inherent in Plastic

Theme: Plastic circularity

These approaches form part of the SEA circular project's "circularity framework for the plastic value chain...

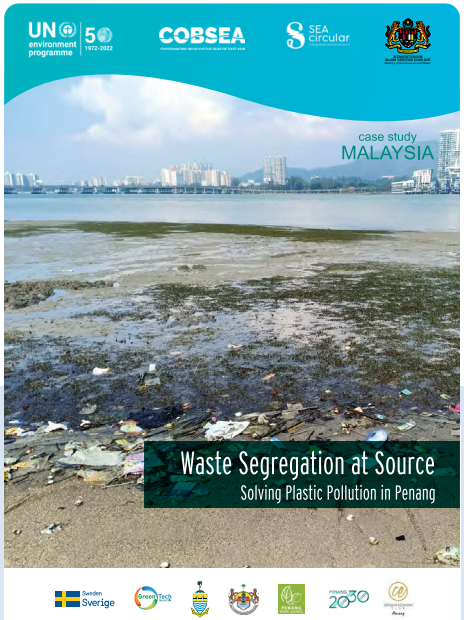
Go to publication

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...

Go to publication

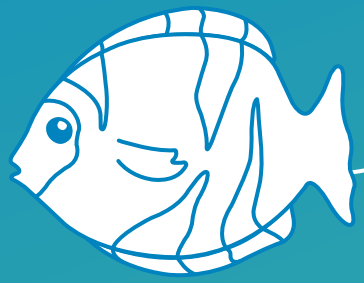


Waste Segregation at Source: Solving Plastic Pollution in Penang

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...

Go to publication



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...

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UN environment programme COBSEA CSIRO SEA circular

Marine Litter Monitoring Methods Handbook, Part I

COBSEA CSIRO Marine Litter Monitoring Methods Handbook Part I

Theme: Marine litter monitoring

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

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UN environment programme COBSEA CSIRO SEA circular

Marine Litter Monitoring Methods Handbook, Part II

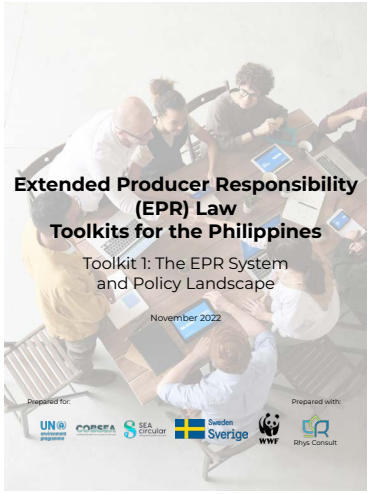
COBSEA CSIRO Marine Litter Monitoring Methods Handbook Part II

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...

Go to publication



Toolkits for the Philippines Toolkit 1: The EPR System and Policy Landscape

Theme: EPR

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...

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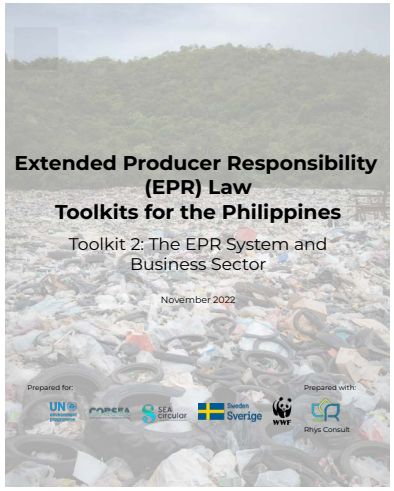

Toolkits for the Philippines Toolkit 2: The EPR System and Business Sector

Theme: EPR

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...

Go to publication

Toolkits for the Philippines Toolkit 3: The EPR System and Waste Management Sector

Theme: EPR

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...

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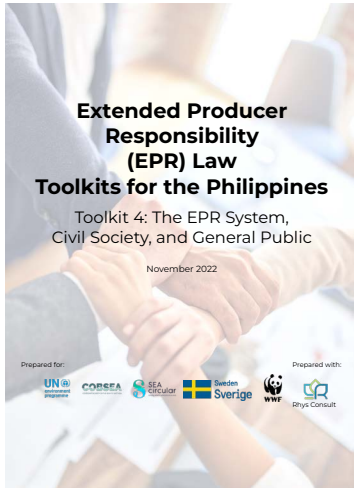

Toolkits for the Philippines Toolkit 4: The EPR System, Civil Society, and General Public

Theme: EPR

EPR Toolkit 4 aims to inform the consumers and general public about the EPR Law and increase their participation in this new scheme...

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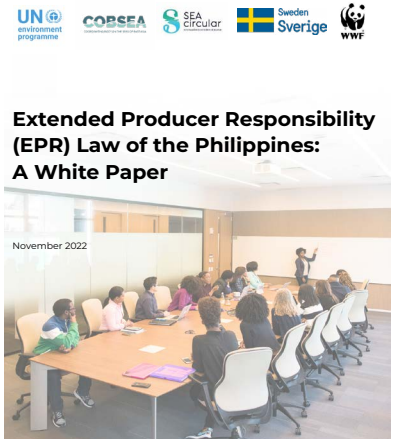

Extended Producer Responsibility (EPR) Law of the Philippines: A White Paper

Theme: EPR

EPR is an environmental policy approach that encourages plastic waste reduction through (1) the elimination of unnecessary...

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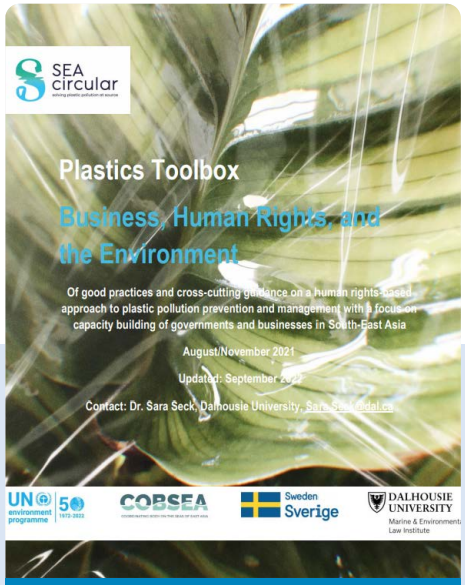

Plastics Toolbox: Business, Human Rights, and the Environment

Theme: Human rights and gender equality

Plastic pollution contributes to violations of many internationally recognized human rights including the rights to life....

Go to publication

Plastics, Human Rights, and Business Responsibilities Issue Brief

Theme: Human rights and gender equality

A human rights-based approach informed by international human rights law to prevent and manage plastic pollution at each...

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Business, Human Rights and the Environment in South-East Asia: Policy Training Resource

Theme: Human rights and gender equality

The trainings on Business, Human Rights and the Environment: Overcoming the Plastics Challenge are designed to build the...

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Module 1: The Human Rights Dimensions of the Plastics Crisis

Theme: Human rights and gender equality

The primary learning objective of module 1 is to introduce learners to the human rights impacts of each stage of the linear...

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Module 2: Plastics, Human Rights & The Environment

Theme: Human rights and gender equality

The primary learning objective of module 2 is to introduce learners to the three key elements of the right to a clean, healthy and...

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Module 3: Business & Human Rights (BHR) and Plastics

Theme: Human rights and gender equality

The primary learning objective of module 3 is to introduce learners to business and human rights frameworks, focusing on the...

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Business, Human Rights, and the Environment: A Checklist for Responsible Business Plastic Action

Theme: Human rights and gender equality

This Checklist for Responsible Business Plastic Action illustrates practical steps that business enterprises can take to...

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Business, Human Rights, and the Environment: A Checklist for Civil Society

Theme: Human rights and gender equality

This Checklist illustrates practical steps that civil society members can take to advocate for a human rights-based approach to...

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Business, Human Rights, and the Environment: A Checklist for State Institutions and Government Officials

Theme: Human rights and gender equality

This Checklist illustrates practical steps that state or government institutions and officials can take to implement a human...

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Training Package and Overview: Business, Human Rights and the Environment

Theme: Human rights and gender equality

The trainings on Business, Human Rights and the Environment: Overcoming the Plastics Challenge are designed to build...

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A Human Rights-based Approach to Preventing Plastic Pollution: An Issue Brief

Theme: Human rights and gender equality

The human rights implications of environmental damage are felt most acutely by disadvantaged segments of society, including rural communities...

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Gender Equality and Preventing Plastic Pollution: An Issue Brief

Theme: Human rights and gender equality

This SEA circular Issue Brief gives an overview of the links between gender, the environment and marine pollution and discusses measures to...

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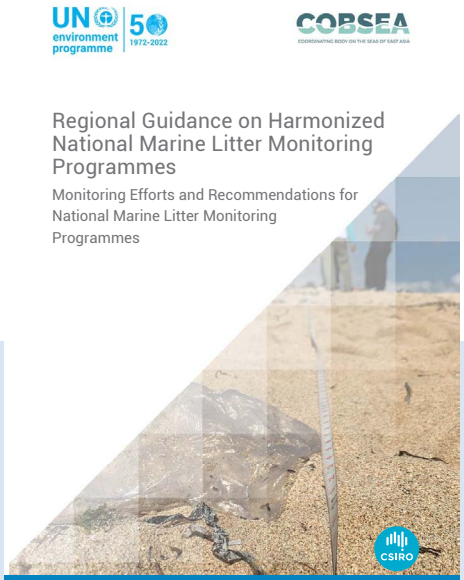

Regional Guidance on Harmonized National Marine Litter Monitoring Programmes

Theme: Marine litter monitoring

This document was developed as part of the SEA circular project – Reducing marine litter by addressing the management of the plastic value chain in...

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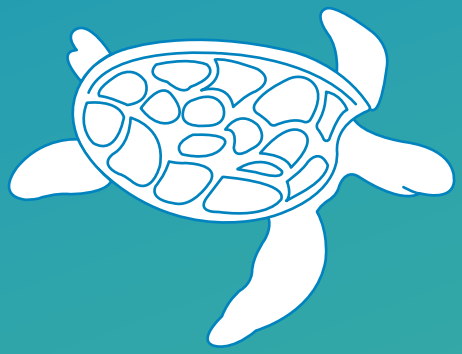
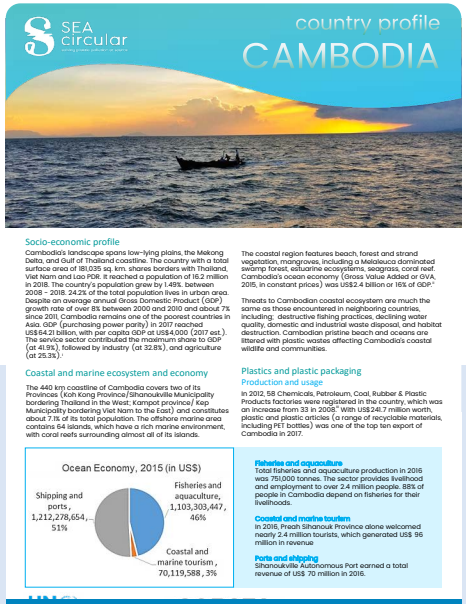


Country profiles



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

SEA circular country profile: Indonesia

Theme: Plastic circularity, marine litter monitoring

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

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SEA circular country profile: Malaysia

Theme: Plastic circularity, marine litter monitoring

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

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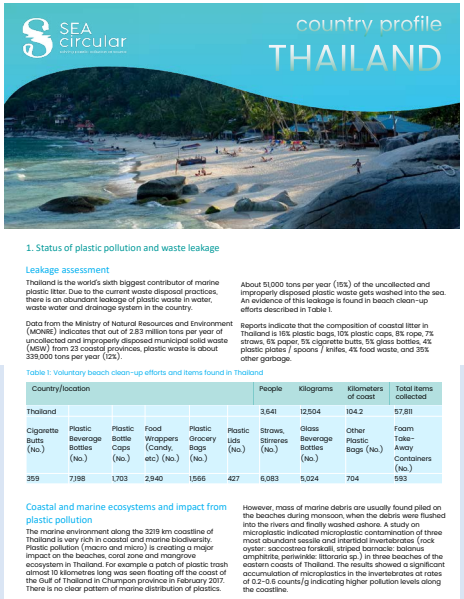

SEA circular country profile: Thailand

Theme: Plastic circularity, marine litter monitoring

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

Go to publication

SEA circular country profile: The Philippines

Theme: Plastic circularity, marine litter monitoring

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

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SEA circular country profile: Viet Nam

Theme: Plastic circularity, marine litter monitoring

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

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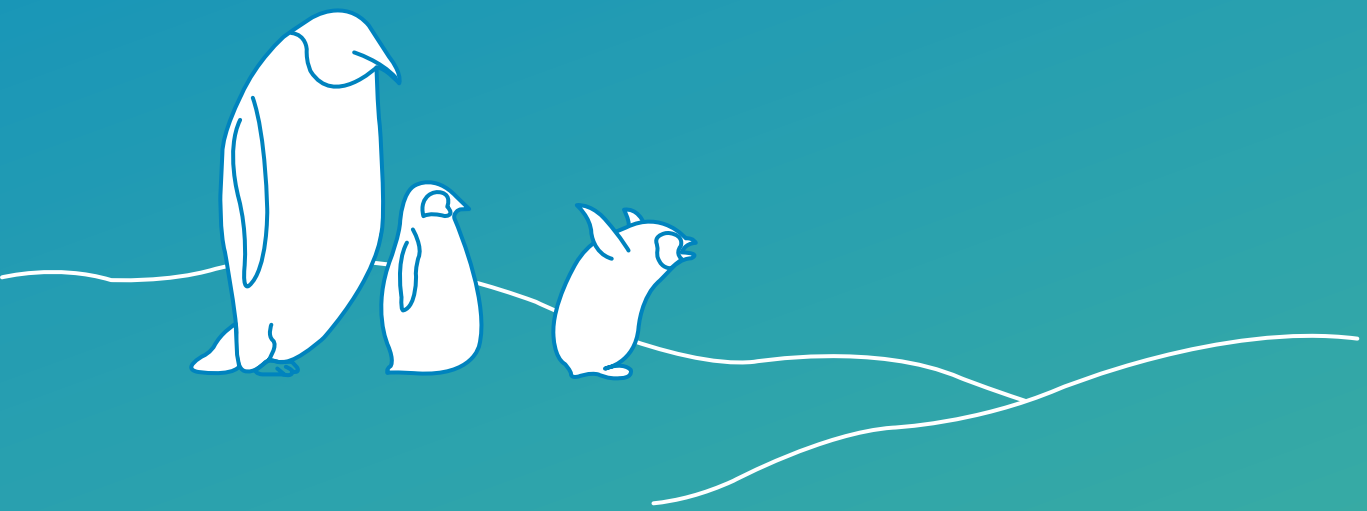

Videos

A Call to #BeatPlasticPollution in Viet Nam

Theme: A call to action

The #BeatPlasticPollution campaign video for Viet Nam.

Go to video

A Call to #BeatPlasticPollution in Thailand

Theme: A call to action

The #BeatPlasticPollution campaign video for Thailand.

Go to video

A Call to #BeatPlasticPollution in Malaysia

Theme: A call to action

The #BeatPlasticPollution campaign video for Malaysia.

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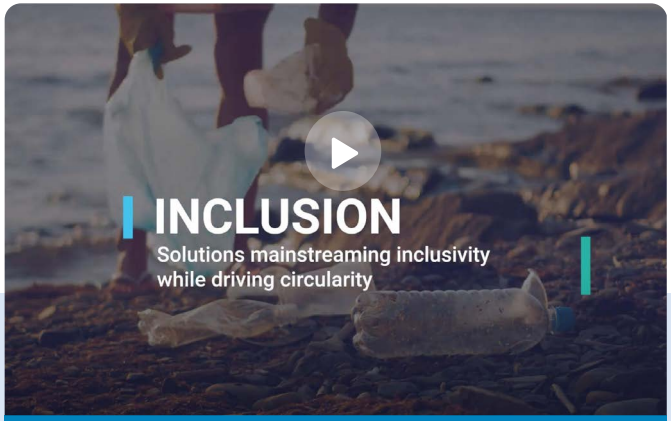

SEA of Solutions 2022 – Spotlight Inclusion

Theme: Plastic circularity

Inclusion across the plastic value chain entails the empowerment of marginalized groups and communities.

→ Go to video

SEA of Solutions 2022 – Spotlight Collaboration

Theme: Plastic circularity

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

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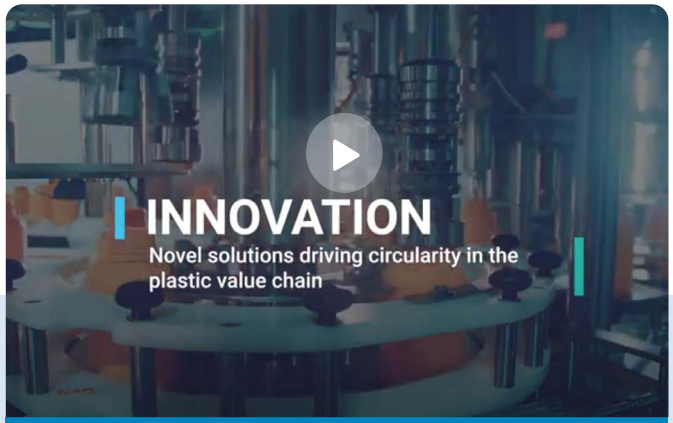

SEA of Solutions 2022 – Spotlight Innovation

Theme: Plastic circularity

Focus on zero plastic bottles, transforming marine litter and nature-based food packaging.

→ Go to video

Join 100 days to #BeatPlasticPollution

Theme: Eliminate single-use plastic

Change your everyday habit today, and keep that habit for life.

Go to video

PLASTIK

Theme: Eliminate single-use plastic

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

Go to video

A spotlight on solutions

Theme: Plastic circularity

Hear from exemplary solutions at the fore of transforming linear systems into circular economies.

Go to video

Plastic pollution solutions

Theme: Plastic circularity

Plastic waste travels thousands of kilometres to end up incinerated, dumped and leaked into rivers and seas.

→ Go to video

Plastic pollution solutions

Theme: Eliminate single-use plastic

What if less money was spent on inadequate management of plastic pollution, and more on solutions?

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SEA of Solutions 2019

Theme: Plastic circularity

There's a SEA of solutions to #BeatPlasticPollution in South-East Asia.

→ Go to video

SEA of Solutions 2021

Theme: Plastic circularity

Reducing plastic waste as we build back better.

Go to video

Rights and responsibilities

Theme: Social awareness and inclusion

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

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UN environment programme

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