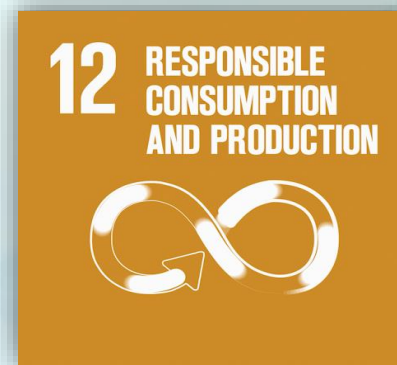
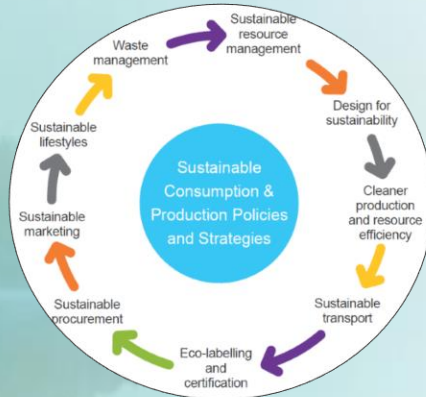




Circular Economy and its Implementation



Dr. Keo Vantoeun

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Objectives

- Summary of Sustainable Development Goal 12 (SDG 12)
- Describe the legal framework for Waste managements
- Introduce government's intervention on Circular Economy

Content

- Sustainable Development Goal (SDGs)
- Waste and Solving on waste reduction
- Intervention for CE Improvement
- Challenging and Forward Action



Sustainable Development Goal (SDGs)



Sustainable Development Goal 12 (SDG 12)



There are eleven targets to create action for responsible consumption and production



Target 12.1: Implement the 10 year sustainable consumption and production framework

Target 12.7: Promote Sustainable Public Procurement Practices

Target 12.6: Encourage Companies to adopt sustainable Practices and sustainable report

Target 12.2: Sustainable management and use of natural resources
Target 12.3: Halve global per capita food waste
Target 12.5: Substantially reduce waste generation

SCP road map and action plan 2022-2035

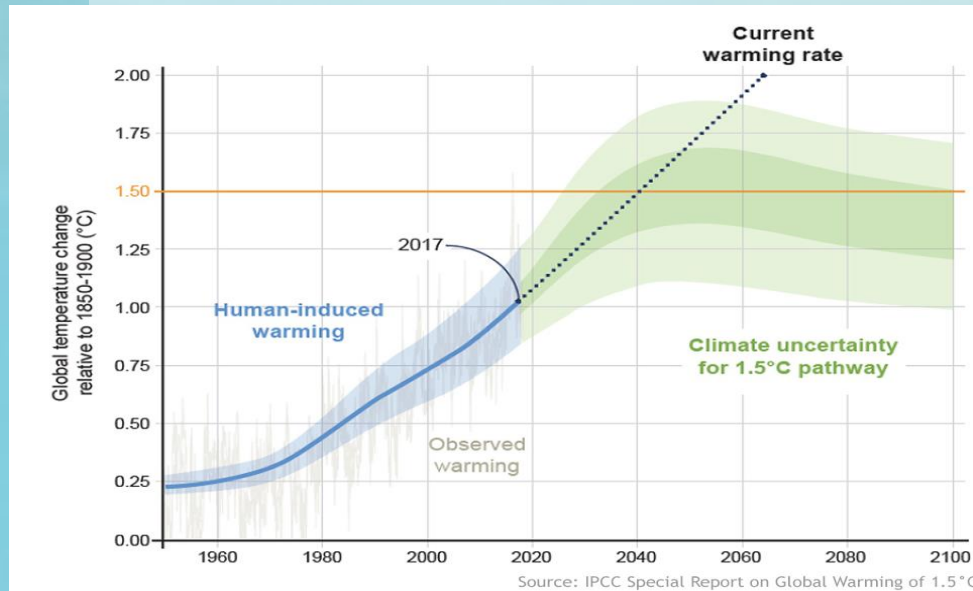
SPP road map and action plan (draft)

Ecolabelling (on processing)

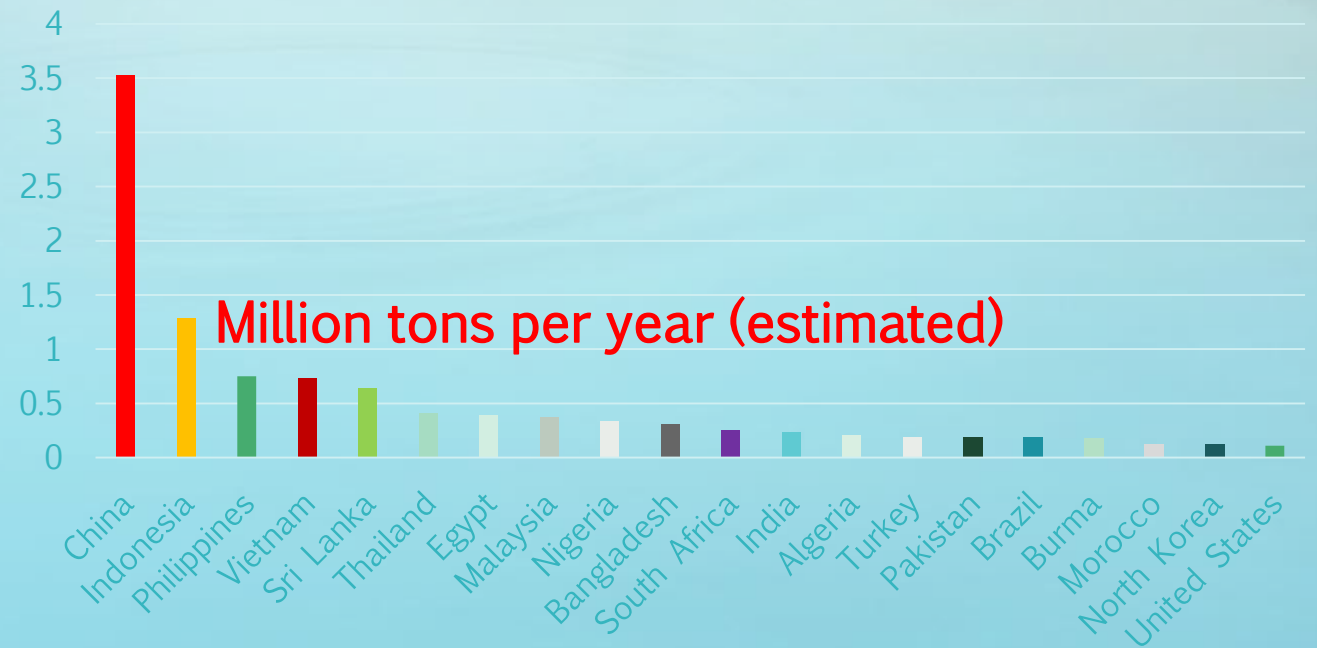
Circular Economy Strategy and Action Plan

Waste and solving for Waste reduction

Plastic Waste



Plastic debris entering world ocean (from NOVA Chemical)

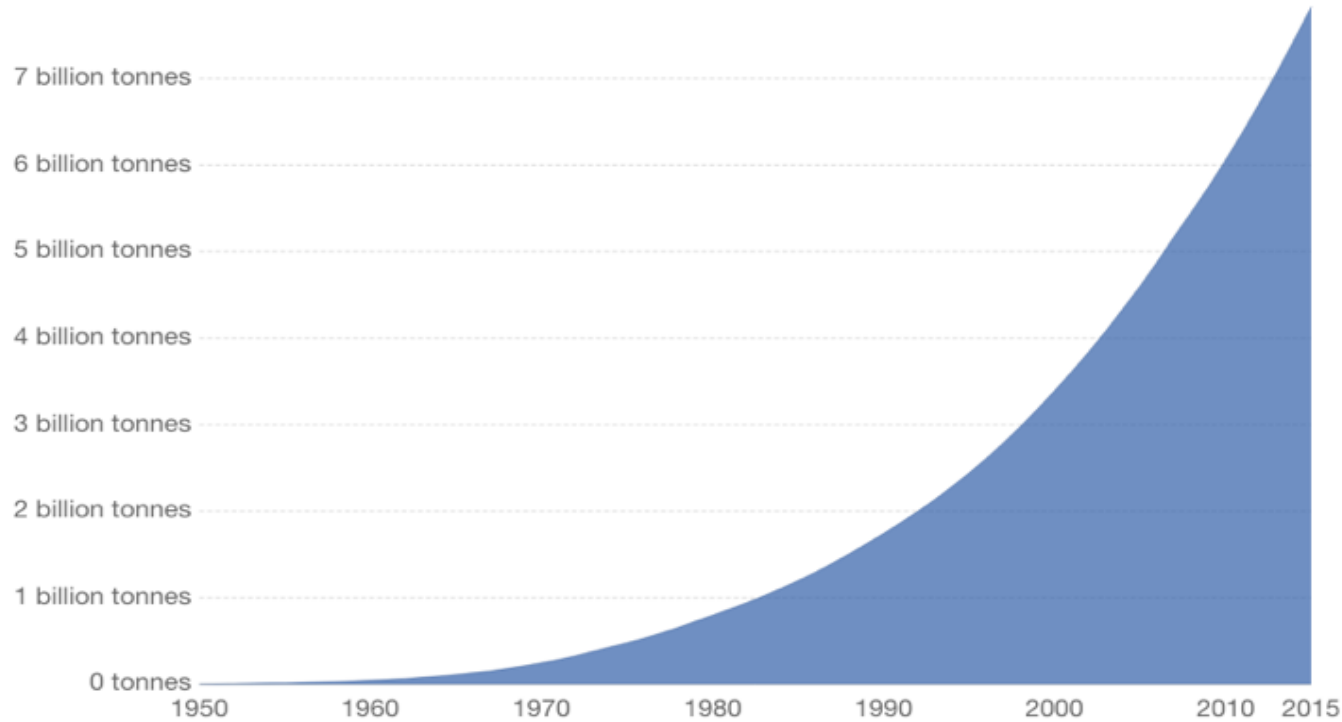


Plastic Waste Generation in the global

Cumulative global plastics production

Cumulative global production of plastics, measured in tonnes.

Our World
in Data

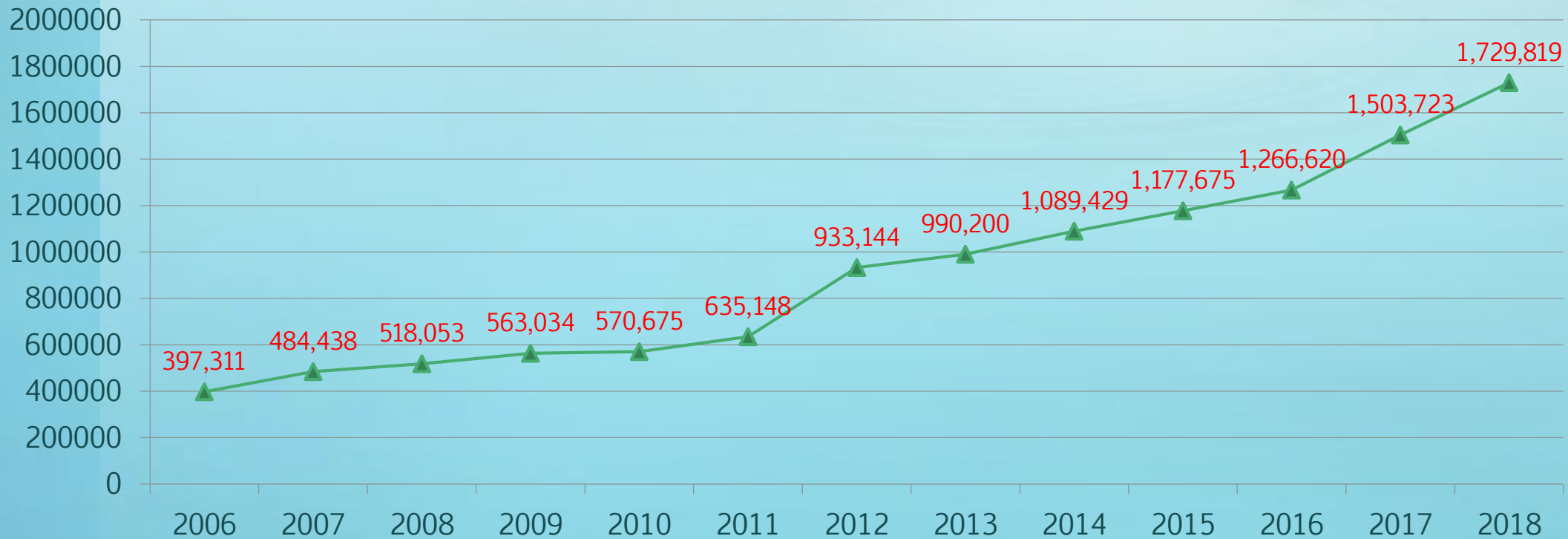
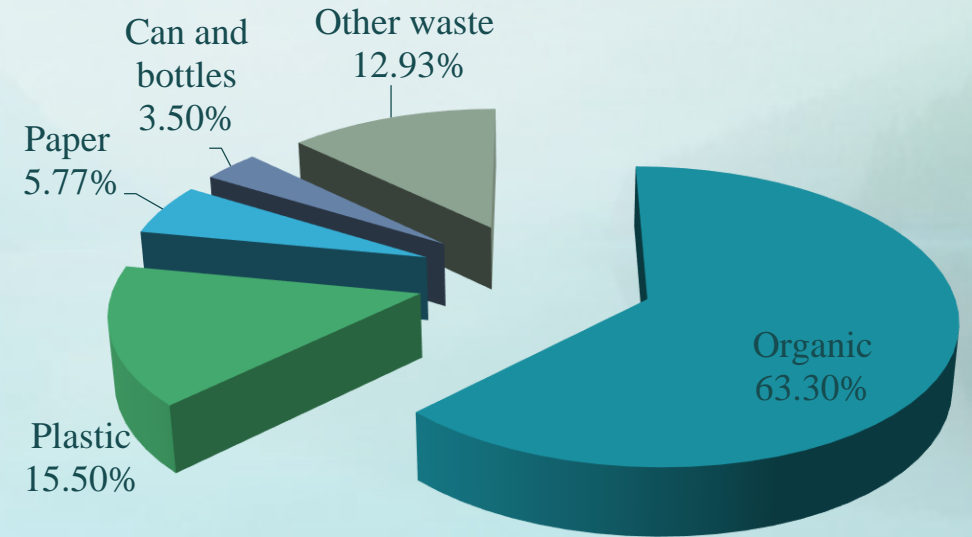


Source: Geyer et al. (2017)

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Annual Waste Generation in Cambodia

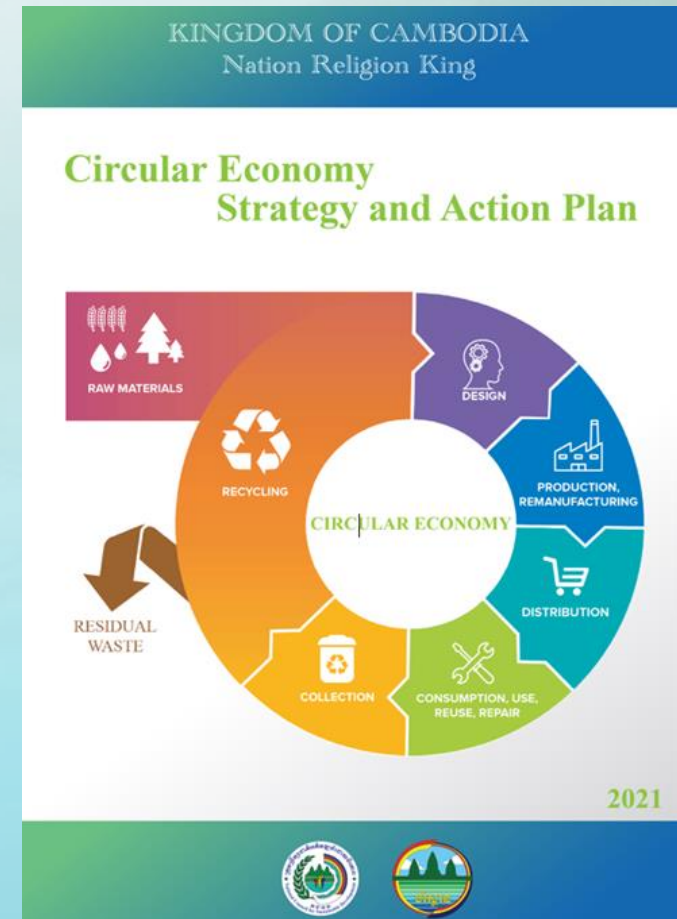


Waste and Solving on waste reduction

Some Legislations on Waste Management of MoE

- Sub-degree 36 about the Solid Waste Management (1999)
- Sub degree 113 about Waste and Urban Solid Waste Management (2015)
- Sub degree 168 about Plastic Bag Management (2015)
- Sub degree 25 about Committee Establishment for Waste and Urban Solid Waste Management (2021)
- Technical guideline Principle for Waste Separation (2015)
- Circular Economy Strategy and Action Plan (2021)
- Sustainable Consumption and Production Roadmap (2022-2035)
- Line Ministries Technical Working Group for Sustainable

Consumption and Production



Waste and Solving on waste reduction

These products are consumed and eventually collected for disposal at their end of life. Since this model relies on extraction of finite natural raw materials and the use of fossil fuels as the main energy sources for mass production and consumption



Through closing the loop of the entire value chain, it maintains the value of products, materials and resources for as long as possible, and even creates new and additional values in the economy



Waste and Solving on waste reduction

Circular Economy Strategy and Action Plan

The objective to this strategy as;

1. Increase sustainable production and energy use
2. Increase sustainable consumption
3. Reduce waste generation at source
4. Improve effectiveness of waste collection, management, segregation and transport
5. Promote product reuse and repair
6. Increase recycling, composting and energy recovery
7. Ensure environmental controls at all waste management sites
8. Promote widespread environmental education and awareness raising

Mission:

To create an enabling environment for the public, private sector, academia, civil society, and development partners to drive the economic, social, and environmental transformations required to realise a circular economy.



Vision:

Cambodia develops towards a circular economy, which strives to achieve a prosperous economy, a thriving and inclusive society, and a healthy environment.

Waste and Solving on waste reduction

Circular Economy Strategy and Action Plan

SO1: Increase Efficient Use of Raw Materials, and Promote Sustainable Design, Production, Remanufacturing and Distribution

PA1.1: Promote use of sustainable energy, material and energy efficiency)

PA1.2: Promote production of alternative to single use plastic

PA 1.3: Promote greening of the transport and distribution network

PA 1.4: Develop and support markets using recycling feedstock in production

PA 1.5: Develop extended producer responsibility(EPR) Schemes

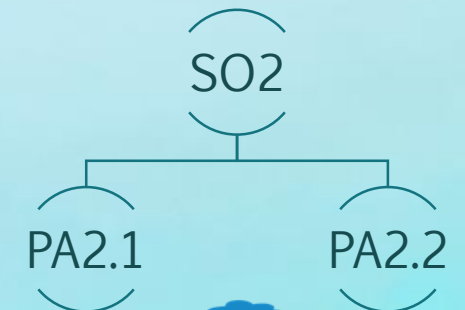
PA 1.6: Develop eco-industrial park



SO2: Promote Sustainable Consumption and Effective Reuse and Repair

PA2.1 Reduce consumption of single-use plastic (SUP) and other single-use materials)

PA2.2 Promote reuse and repair business models)



Waste and Solving on waste reduction

Circular Economy Strategy and Action Plan

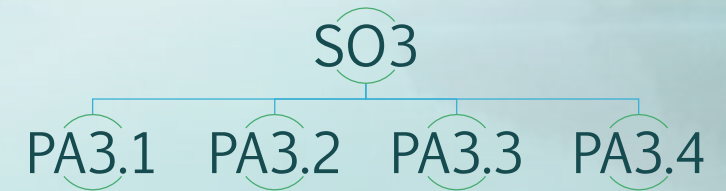
SO3: Enhance Waste Collection and Recycling

PA3.1 Strengthen fee collection and effective waste collection

PA3.2 Improve waste segregation and recycling

PA3.3 Improve organic waste management

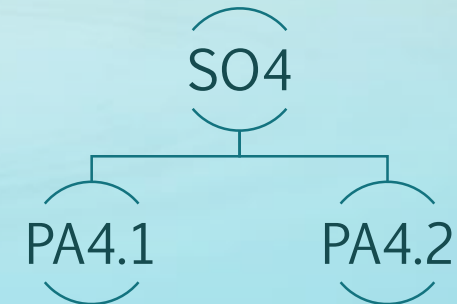
PA3.4 Provide effective business support for waste and resource sector



SO4: Ensure Effective Management of Residual Waste

PA4.1 Improve landfill disposal and operations

PA4.2 Support Waste to Energy for residual waste treatment

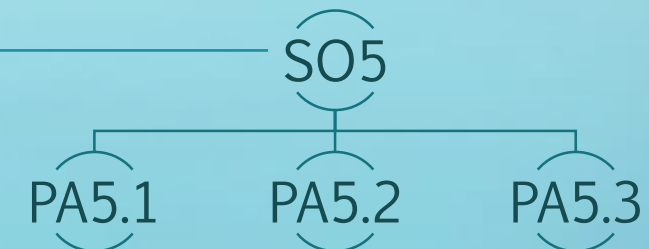


Enhance Crosscutting Stakeholder Engagement, Awareness and Capacity Building

PA5.1 Improve CE awareness and environmental education

PA5.2 Enhance capacity and skills and employment opportunities of all stakeholders

PA5.3 Promote private sector engagement for CE innovation and scaling up



Intervention for CE Improvement

- ▶ Engage and Support for all stakeholder and activities which relate to the waste sorting and recycling



Intervention for CE Improvement

Encourage all stakeholder for incentive award for Innovation Challenges



Intervention for CE Improvement

Dissemination on the single use plastic reduction

- Installation of 5R Signboard on Plastic Reduction and Youth engagement



- ▶ Waste segregation by waste bin providing to High School, pagoda and other communities



Waste and Solving on waste reduction

Dissemination on the single use plastic reduction

- ▶ Plastic bottle reduction by water filter installation and Eco-bottle providing to some high schools and communities



- ▶ Signboard Installation of punishment on Sub-113 into some public area



ការថែទាំសម្រាប់ការងារ ជាប្រាក់ ចំពោះបុគ្គលដែលបោះចោល សំរាម សំណល់រឹងនៅលើទីសាធារណៈ និងតាមផ្លូវ ដោយយោងតាមមាត្រា៤២ និងមាត្រា៤៧ នៃអនុក្រឹត្យលេខ១១៣ ស្តីពីការគ្រប់គ្រងសំរាម សំណល់រឹងទីប្រជុំជន

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Logos: Ministry of the Royal Palace, UN, UNDP, and the People of Japan.

Waste and Solving on waste reduction

Dissemination on the single use plastic reduction



- Promotion of all stakeholder to engage the clean up at school, community for environmental safety



- Motivation all sector for zero single plastic area

Challenge and forward activity

➤ Challenges

- The CE is a new concept in Cambodia which is not easy to implement
- Do not have any policy, legislation and guideline align with Recycling manufacturing and raw material from CE
- Cambodia as other countries are effected by the Covid-19 pandemic then the CE implementation will be difficult in proceeding
- Lacking of expert and technical staff for CE implementation
- The Engagement of private sector and stakeholders in CE are not conducted fruitfully.

➤ Forward Activity

- TWG's SCP member will consult for CE implementation and other related legislation in Cambodia
- Working public and private sector and with DP (technical and fund support) to improve CE in Cambodia
- Develop legislation and law to improve CE (recycling and alternative used plastic or plastic ban)



ಸ್ತುತಿಯನ್ನರ್ಪಿಸುತ್ತೇವೆ!

Thank You!

