

World Bank Group Experiences in Abating Marine Plastic Pollution in East Asia and the Pacific





Marine plastics in EAP: a growing development challenge with a key role for the region

- Plastics have been a development driver for decades
- Turned into a development problem due to their omnipresence in the environment



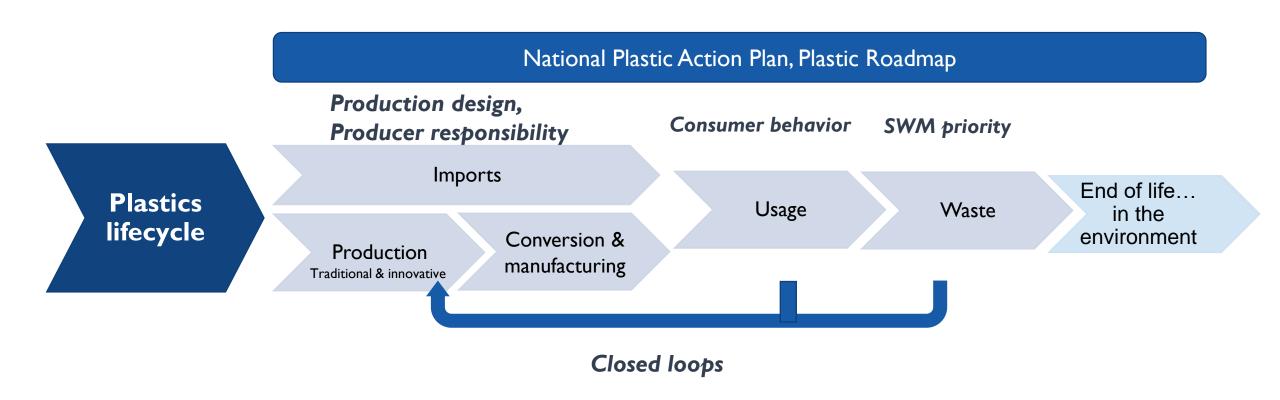
- The EAP region has become a champion in supporting solutions to plastic pollution
 - Regional commitment and collective actions
 - Innovative policies and financing
 - Technology development and transfer
 - New business models

EAP has a key role to play in the UN negotiations



WBG's solutions to plastic pollution

Plastic transitions need systemic change and a life-cycle approach



WBG's Analytics — Evidence Base for Plastic Policy Making

PROBLUE





NIKKEI **Asia**

Plastic waste is a growing

Plastic waste is a growing menace, and a wasted opportunity

World v Trending v Business v Markets v Tech v Politics v Economy v

Southeast Asia has emerged as a hot spot for plastic pollution



Alfonso Garcia Mora and Victoria Kwakwa March 29, 2021 05:00 JST

EMILAND & PACIFIC TARGET MARRIE PLASTICS SERIES

PLASTICS CIRCULARITY OPPORTUNITIES AND BARRIERS IN THAILAND

Low plastic recycling rates are a wasted opportunity in Thailand.

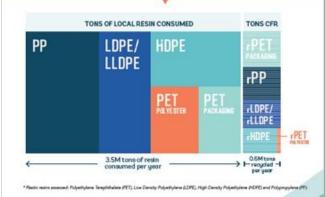


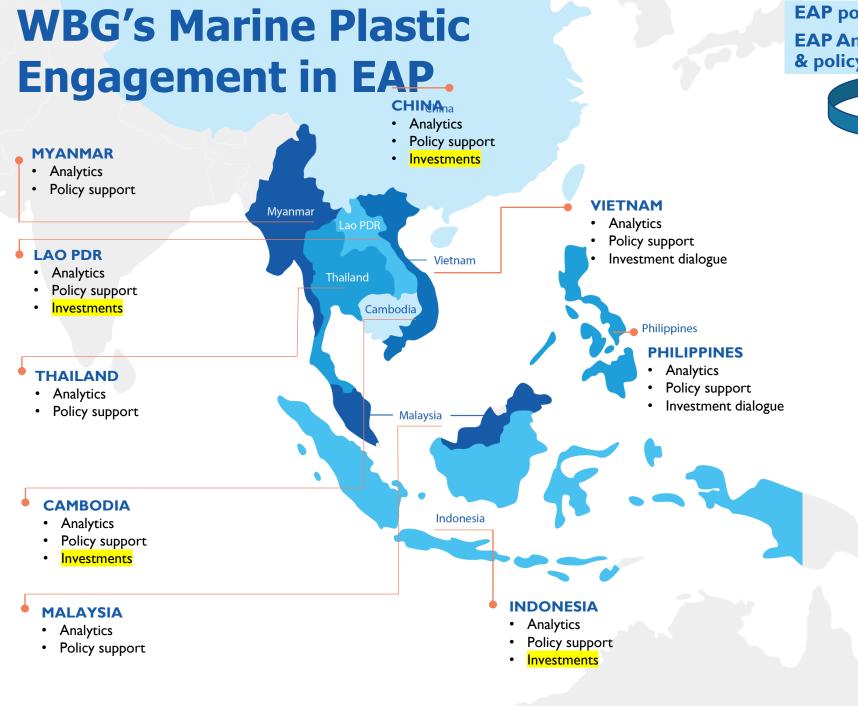
2.9 MILLION TONNES 2.9 million tonnes of plastics are disposed of each year. m ...

т 3.6

About 18% of key plastic \$3.6-4 billion of the materi resins are recycled. Value of plastics is lost annua

THE PROPORTION OF PLASTICS COLLECTED FOR RECYCLING (CFR)
VARIES SIGNIFICANTLY ACROSS DIFFERENT RESIN* TYPES.





EAP portfolio FY17-22 Addressing plastics USD +1b

EAP Analytics informing Private & public investments & policy reforms USD +10M



Pipeline/existing **lending** includes plastics-related activities
Cambodia (USD 60M),
Lao PDR (USD40 M),
Indonesia (USD 100M)
and China (USD 1 billion)

ASEAN Regional Action Plan on Marine Plastics

Regional harmonized approach to plastics metrics

Regional plastics recycling market and plastic waste trade

Southeast Asia Regional Program on Marine Plastics (SEA-MaP) USD 20M supporting policy and innovation platform and implementation

PACIFIC ISLANDS

- Analytics
- Policy support

China: Backing up the government efforts through plastic reduction projects in urban and rural areas

- \$1 billion projects in total contribute to plastic reduction through investments in waste, water management in urban and rural areas and agricultural practices
- \$400 million project in addressing plastic pollution control and ecosystem restoration in Yangtze river

China Plastic Reduction Projects



- Policy and regulatory work at the national level with investments and technical assistance at the subnational and local level
- Implementation of the new national policy framework for plastic waste management will take place in Ningbo and Chongqing

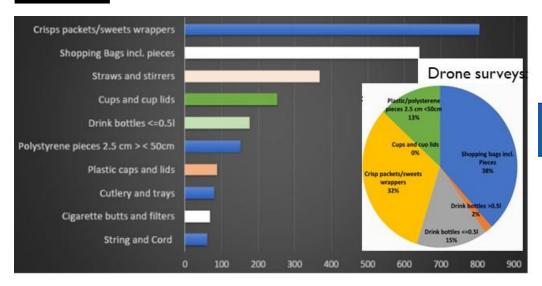
Yangtze River Protection and Ecological Restoration Program



 Developing incentives for the collection of agricultural plastic film to help reduce plastic pollution

Cambodia and Laos: Survey on top 10 single-use plastics leads to policy dialogue and investment

Analytics





Policy support

- National Plastic Sub-Decree development and stakeholder engagement (Cambodia)
- National Plastic Action Plan development and stakeholder engagement (Laos)



Pipeline Investments

- Solid Waste and Plastic Management Improvement
 Project, \$60m (Cambodia, IDA)
- Environmental and Waste Management Project, \$40m (Laos, IDA + PROBLUE)

Indonesia: comprehensive support (from upstream policy to waste management and fisheries)

Analytics

Indonesia generates 7.8 Mt of plastic waste annually 58% is uncollected, 9% of which is disposed directly into water Fisheries and aquaculture drivers



Policy development

Supporting government policy actions with policy recommendations for both land-based and marine sources



Investment

Building municipal solid waste management systems and infrastructure in priority urban areas to halve the daily amount of waste leaking into the ocean

Behavioral Change

Developing resources for local communities to develop and organize campaigns and raise public awareness

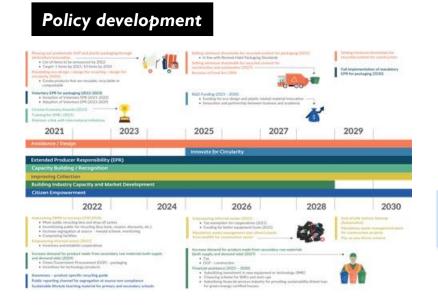
Monitoring

Monitor and report lost gears and disused end of life gears Monitor waste discharge into rivers



Malaysia and Philippines: Plastics as entry point for systemic change towards a Circular Economy





MALAYSIA PLASTICS
SUSTAINABILITY ROADMAP
2021 - 200
Oddisjone Societality and Croadaly Invested A Non Preside Sciences



Lending (Philippines)

- Metro Manila Flood Management Project includes component "Minimizing Solid Waste in Waterways" (\$48m)
- Sustainable Recovery
 Development Policy lending is under preparation

Focuses on upstream actions, related to:

- Phasing out problematic single-use plastics
- Extended Producer Responsibility (EPR) for plastic packaging

Provided inputs to

• Setting targets for plastic recycling, plastic recyclability, plastic recycled content, and plastic collected-for-recycling

Thailand (IFC) Indorama Ventures PCL (IVL)

- **√\$300m** first-ever blue loan to global plastic manufacturer
- √ 50 million PET bottles to be recycled by 2025 (in Asia and Latin America)

- Major global intermediate petrochemicals producer and one of the largest vertically integrated resin producers in the world:
 - 1 in 5 PET bottles in the world made from IVL's resins
 - 1 in 2 premium baby diapers in the world made from IVL's fibers
 - 1 in 4 airbags in the world made from IVL's yarns
- One of the early entrants in recycling space- started producing PET flakes from discarded PET bottles.











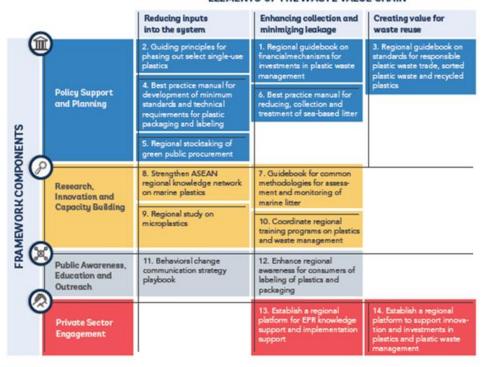


ASEAN Regional SEA-MaP

- Southeast Asia Regional Program on Combating Marine Plastics (SEA-MaP)
- Duration: 2022-2026
- Regional Implementing Entity: ASEAN Secretariat
- \$20 million grant program

ASEAN regional action plan for Combatting Marine Debris

ELEMENTS OF THE WASTE VALUE CHAIN



SEA-MaP supports implementing actions

- Strengthen institutions, harmonize policies, catalyze public and private sector actions
- Establish regional platforms to promote innovation, knowledge, and partnerships



Pacific Countries

- \$10m PROBLUE grant funding for analytical work
- Identifying solutions and actions to address context specific challenges

Small island states have their own challenges...

- Reliance on imports
- Small market size
- Limited private sector attractiveness
- Lack of domestic solid waste management
- Affected by litter on their shores coming from elsewhere
- Vulnerability of infrastructure linked to climate change

... Requiring tailored solutions at the national and regional levels, to optimize costs and harmonize policies and interventions

Challenges going forward

- Transition to a more Circular Economy
- Waste and recycling infrastructure investment
- Waste management and plastic leakage preventive measures in rural areas
- Implementing plastic policy measures
- Sector-specific plastic and plastic waste management (e.g., fisheries, agriculture, tourism)
- Regional plastic policies and standard harmonization
- Plastic data collection and monitoring framework



WBG stands ready to support countries with plastic reduction







Epicenter of solutions and innovation

Plastic reduction demand is high and will grow

One region but different contexts, interests and approach



Thank you so much!