



**Asia-Pacific  
Economic Cooperation**

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**2021/CTI/SEM2/007**

Session: 3

## **A Private Sector Perspective on Waste Management and Recycling - Alliance to End Plastic Waste**

Submitted by: Alliance to End Plastic Waste



**Webinar on Improving Waste Management  
and Recycling Policies in the APEC Region  
17 June 2021**

**APEC webinar:**

**A Private Sector Perspective on Waste Management and Recycling**

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17 June 2021

# The global plastic waste problem demands bold ambition

The world produces 380 million tonnes of plastic a year

**70%**

Today, only 70% of plastic waste is collected, and only 15% is recycled



**11mmt**

of plastic waste enters the oceans every year

**x2**

Plastic production will double by 2040 as the global middle class expands



**x3**

Plastic waste leakage into the ocean will triple by 2040 if nothing is done



Plastic waste is also a giant economic challenge



Managing it properly would generate more than US\$120 billion of value



# The Alliance to End Plastic Waste was formed to translate commitment into action



The Alliance to End Plastic Waste is a community of industry leaders committed to getting ahead of this challenge

In January 2019, 27 founding companies set a goal to raise US\$1.5 billion  
Today, we have expanded our membership to 62 companies across the plastics value chain

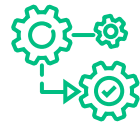
## Key principles



1. Act now...



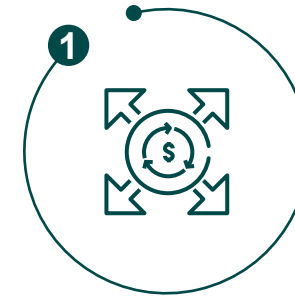
2. Collective action...



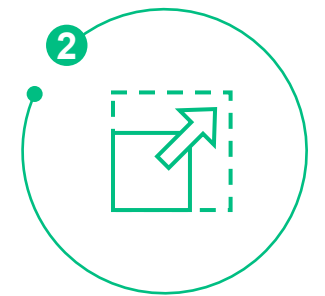
3. A cross-value chain approach...



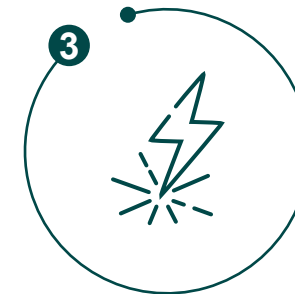
4. A do-tank, not a think-tank...



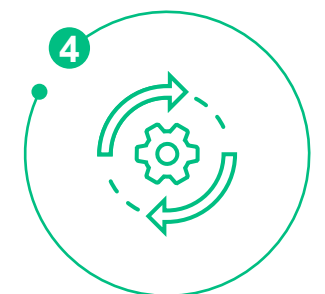
**Sustainable**



**Scalable**



**Catalytic**



**Circular**

# Convening members across the value chain for collective action



# Closing the gaps to achieve a Circular Economy of plastics

## Circularity Gap Analysis



# When fully implemented, our projects in 2020 and 2021 will divert 875kt\* of plastic waste from the environment every year





**27 projects**  
approved in 2020 will divert  
**375kt of**  
**plastic waste**  
every year\*

Projects lined up for 2021  
will divert a further  
**500kt**  
every year\*

\* When the projects are fully implemented

# Example: Infrastructure



|  | Population | Municipal solid waste | Plastic Waste | Employees |
|--|------------|-----------------------|---------------|-----------|
|  <b>Project STOP</b>      | 160K       | 20KTA                 | 3KTA          | 110       |
|  <b>Bersih Indonesia</b> | 6.5M       | 800KTA                | 100KTA        | 4,500     |
|  | 40x        | 40x                   | 33x           | 41x       |



## Phase 1: Investing into Project STOP at Jembrana

Project STOP centres on 3 communities in Indonesia: Muncar, Pasuruan, and Jembrana. None had waste collection systems.

Project STOP established waste collection and sorting systems for the community. Money from the sale of recyclates were used to fund running costs.

This coastal community of 160,000 now has proper waste collection, locally owned, and funded by household collection fees and the sale of recyclates.



## Phase 2: Scaling to 3 regencies in Java

AEPW has gained deep experience and demonstrated a viable model for waste management. We are now scaling the model to 3 regencies, with a total population of 6.5m people.

Feasibility studies have identified the cities in 3 regencies: Malang, Magelang and Sukabumi.

The target is 100kt of plastic waste diverted annually.



# Example: Unlocking value from plastic waste

## Partnering with CRDC to create value out of plastic waste for the construction industry

- Turning hard to recycle plastic waste into commercially viable concrete additives, which:
  - i. Improve the performance of concrete
  - ii. Capture and reduce CO<sub>2</sub>
  - iii. Can be used in structural and non-structural concrete applications
- Current operations in Costa Rica, US, South Africa
- Scaling-up of production underway in partnership with the Alliance



# Example: Driving innovation by incubating start-ups

End Plastic Waste Innovation Platform with Plug and Play

## PLUGANDPLAY



■ Phase 1  
■ Phase 2



**ALLIANCE  
TO END  
PLASTIC  
WASTE** 

**THANK  
YOU!**