

# Potential Response Options Regarding Marine Litter and Microplastics

Submission from the International Council of  
Chemical Associations (ICCA)



# International Council of Chemical Associations

## Full Members

- Cefic (European Chemical Industry Council)
- ACC (American Chemistry Council)
- ANIQ (Mexican Chemical Industry Association)
- CIAC (Chemistry Industry Association of Canada)
- JCIA (Japan Chemical Industry Association)
- ABIQUIM (Brazilian Chemical Industry Association)
- KOCIC (Korea Chemical Industry Council)
- RCNZ (Responsible Care New Zealand)
- Chemistry Australia
- GPCA (Gulf Petrochemicals and Chemicals Association)
- SCIC (Singapore Chemical Industry Council)
- CAIA (Chemical and Allied Industries' Association)



## Associate Members

- CPCIF (China Petroleum and Chemical Industry Federation)
- ICC (Indian Chemical Council)

## Permanent Observers

- AICM (Association of International Chemical Manufacturers)
- TRCA (Taiwan Responsible Care Association)
- TCIA (Taiwan Chemical Industry Association)

## Observers

- RCU (Russian Chemists Union)



# Waste Management Hierarchy

- 2 billion people lack access to waste collection\*
- UNEA reinforced waste management as highest priority
- Need to address all parts of waste management hierarchy

\* UN Global Waste Management Outlook



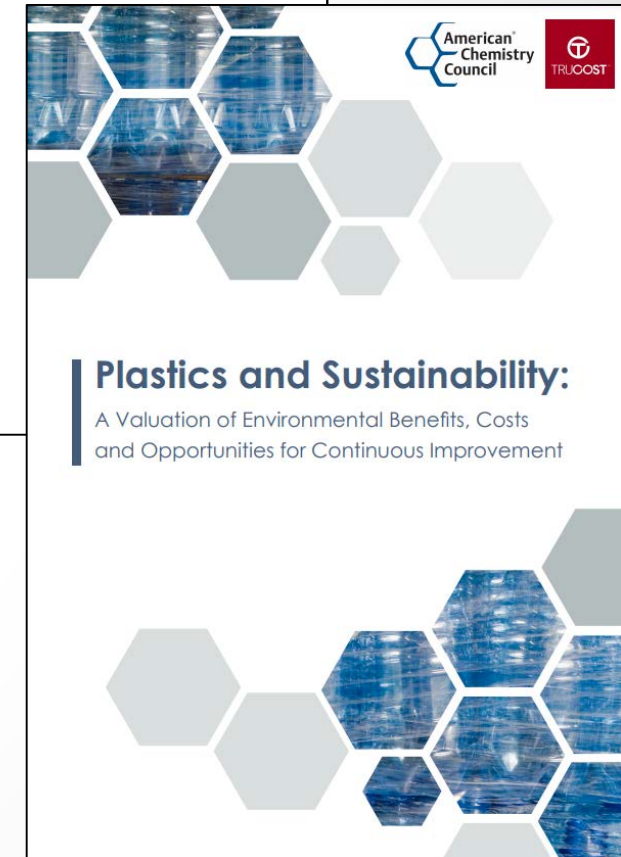
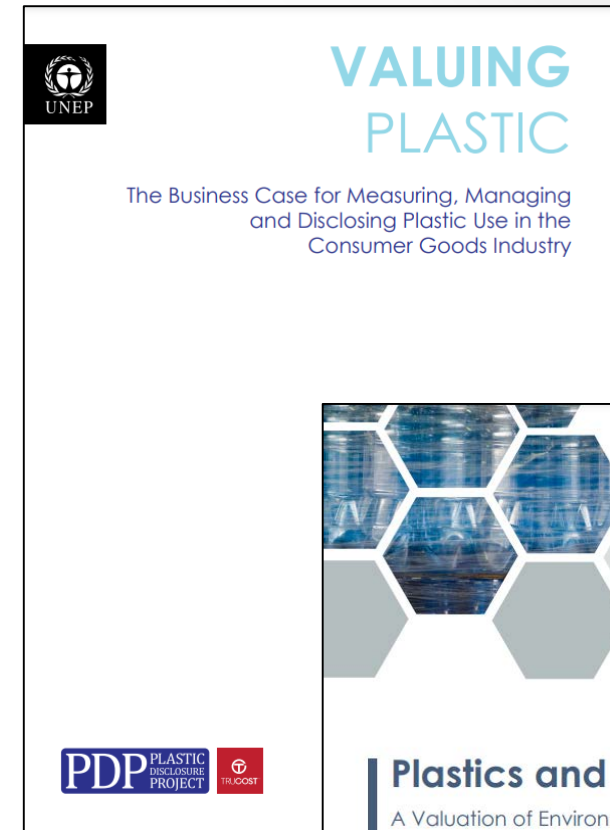
# Realizing a Circular Economy

- New circular business models
- Technology & innovation
- Advanced recycling
- Mass balance accounting



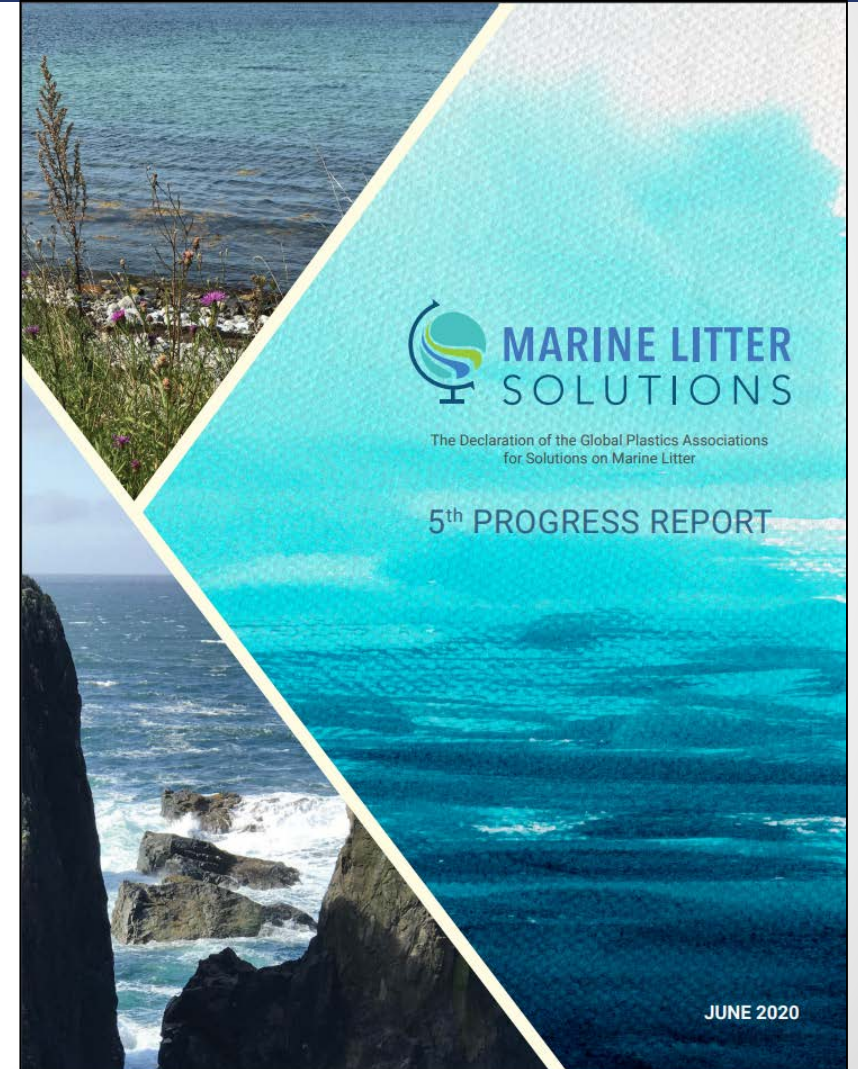
# Environmental Cost of Alternatives

- Trucost study found replacing plastics in packaging and consumer products with alternative materials could raise environmental costs nearly 4 fold.
- Environmental costs can include more food and packaging waste, more fuel used in transportation, more litter, higher energy.



# Global Plastics Alliance

- 395 marine litter prevention projects have been planned, underway, or completed as of early 2020.
- Projects vary from beach clean ups to expanding waste management capacities, and from global research to awareness and education campaigns.
- Six focus areas are education, research, public policy, sharing best practices, plastics recycling/recovery, and plastic pellet containment.





# ALLIANCE TO END PLASTIC WASTE

- ❑ **Independent, stand alone** organization with own staff, CEO and Board of Directors
- ❑ **Not for Profit 501(c)(3) status** supports global operations 
- ❑ **Singapore headquarters**
- ❑ **Founded by companies** that make, use, sell, process, collect, and recycle plastics

# Goal to Invest \$1.5B Over 5 Years



## Infrastructure

**Many communities, mainly in Asia and Africa, do not have systems to collect & manage plastic waste or increase recycling. The Alliance is funding new approaches to build and deploy critical infrastructure for plastic waste management**

~60%  
investment  
allocation



## Innovation

**We support ideas to scale new technologies and solutions for a circular economy, with funding, capacity building and incubation services**

~20%  
investment  
allocation



## Education

**Lasting change is only possible if everyone knows why and what it takes to end plastic waste in the environment. We work with communities to drive deeper and lasting engagement**

~15%  
investment  
allocation



## Clean up

**Every community should have universal access to an environment free of plastic waste**

~5% investment  
allocation



# AEPW Project STOP



**Project STOP** is in Northwest Bali, Indonesia. It is a city partnership which designs integrated waste management systems where infrastructure is lacking, especially along rivers which transport vast amounts of plastic waste to the ocean.



The project has pioneered a powerful approach to building sustainable waste collection, sorting and recycling systems in an urban setting where none previously existed.

Taking Project STOP to scale

Having demonstrated a successful approach, the Alliance is now exploring how the model can be replicated in a further 30 cities across Java.

# Facilitate Funding, Promote Partnerships

- Industry supports UNEP's efforts to bring relevant stakeholders together to enable innovative, transparent funding approaches and support public-private partnerships.



- Circulate Capital Ocean Fund (CCOF), a \$106 million fund investing in companies that prevent plastic pollution and advance the circular economy.
- APEC has developed a robust work stream on promoting investment in waste management systems and eliminating marine debris.




CIRCULATE  
CAPITAL



**Asia-Pacific  
Economic Cooperation**

# Moving Forward

- Support establishment of a clear vision and objectives
  - Complement existing multilateral agreements (Basel, Rotterdam, Stockholm).
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- Help coordinate and organize scientific information and harmonize monitoring methodologies.
  - Facilitate funding and promote public private partnerships.
  - No one-sized fits all solution to combatting marine debris.



# Thank you

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