

# SDG 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

SDG 12 Sustainable Consumption and Production (SCP) has been identified as one of the most interconnected goals among the SDGs.





SDG 12 is connected to:

SDG 6 (Water),  
SDG 8 on economic growth,  
SDG 11 on sustainable cities,  
SDG 13 on climate change,  
SDG 14 on oceans, and  
SDG 15 on life on land.

# Problems and Challenges



LAND DEGRADATION,  
DECLINING SOIL FERTILITY,  
UNSUSTAINABLE WATER USE,

**OVERFISHING,**

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**MARINE ENVIRONMENT**

**DEGRADATION**

# ENVIRONMENTAL DEGRADATION AND GLOBAL **WARM**



This and all others previously mentioned are lessening the ability of the natural resource base to supply food.



# Overcome Challenges

Responsible

CONSUMPTION



and PRODUCTION



SUSTAINABLE  
DEVELOPMENT  
GOALS





# Circular Economy

Application of the Circular Economy model has significant potentials to address climate change by reducing up to 3.6 billion tons of global carbon dioxide emissions per year



# Take-Make-Waste



**Protecting the Environment**

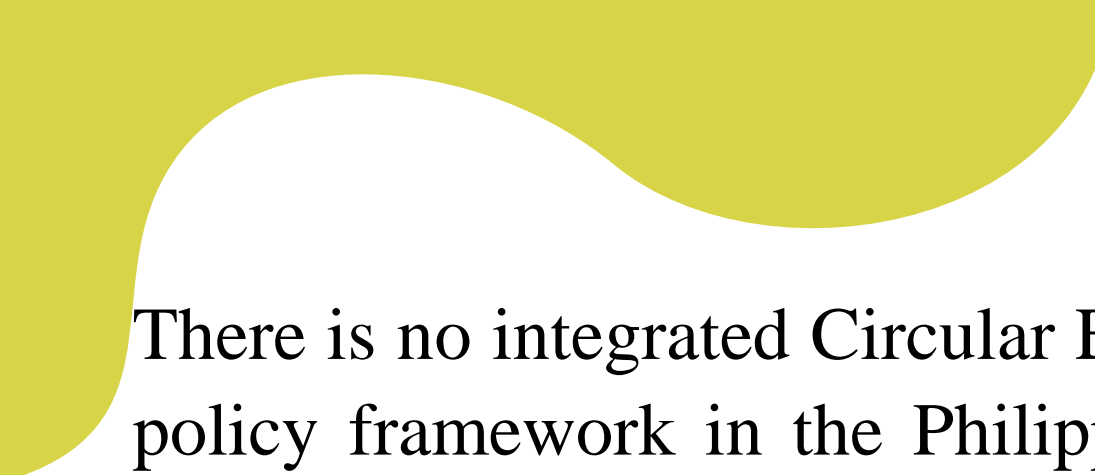
**+**

**Boosting Competitiveness**

**=SUSTAINABLE Future**



# Pieces of Evidence from the Philippines

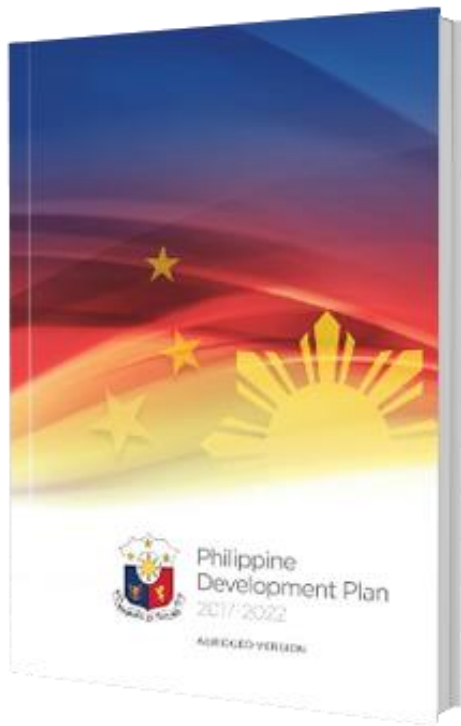


There is no integrated Circular Economy strategy or policy framework in the Philippines at present but there are numerous national policies and initiatives that link directly and indirectly to circular economy approaches.



Specifically, for the sectors involved in food processing, building and construction.





The approach is aligned with the Philippine Development Plan (PDP) 2017-2022.



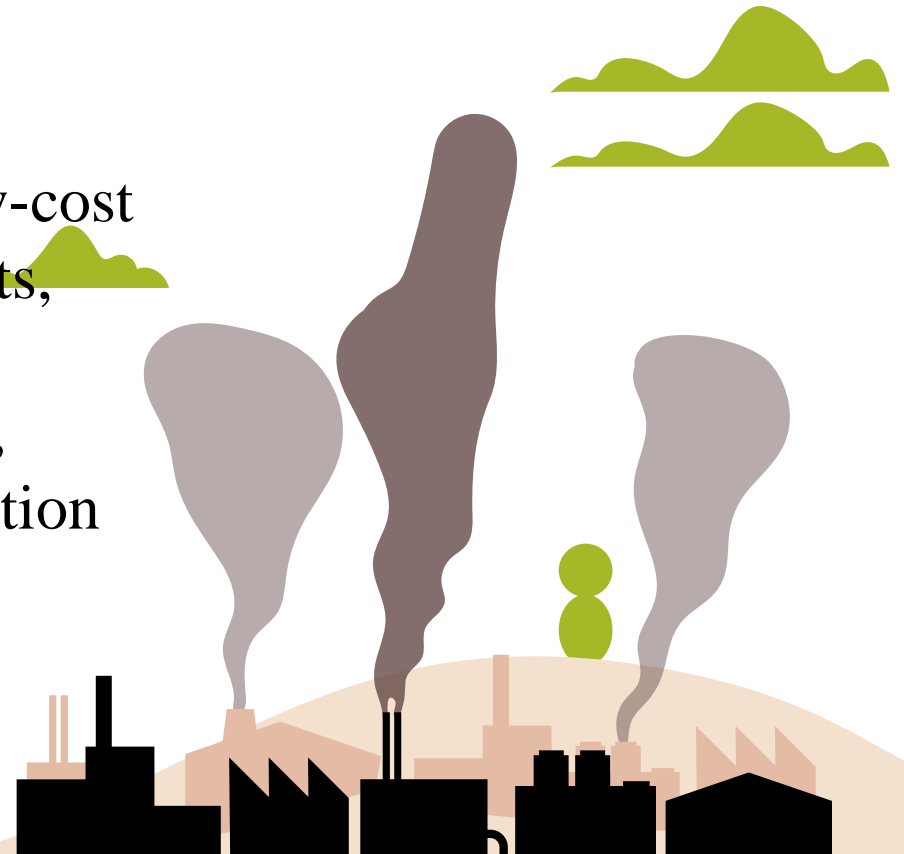
Circular economy offers opportunities to improve the living conditions of marginalized Filipino people or those whose income and financial capacity fall below the national poverty line with poverty threshold of 10,481 pesos (215.36 USD) per month for a family of five.



# GOALS & STRATEGY

CE helps

- in the management of waste products,
- discourage open burning,
- improve water and sanitation,
- provide building solutions for low-cost construction in informal settlements,
- promote new income-generating activities in the area of agriculture, food processing and biogas generation to support rural livelihoods.





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# Climate Resilience Housing



<http://www.base-builds.com/>

**Cement Bamboo Frame Technology (CBFT)**  
by Base Bahay



# Climate Resilience Housing



- Sustainable bamboo house technology in the Philippines
- Has been providing climate resilient homes since 2014

- Don Jose M. Beringuer Sr. Bamboo Village in Sorsogon City, Sorsogon
- Rejoice Children's Village in Nasugbu Batangas
- Cemex Philippines Foundation supports building with Cement-Bamboo Frame through its Build Education, Build Environment, Build Sustainability Program

**Cement Bamboo Frame Technology  
(CBFT)**

# Ecobricks



[http://www.xinhuanet.com/english/2019-10/11/c\\_138463183.htm#:~:text=An%20ecobrick%20is%20composed%20of,houses%20to%20schools%2C%20and%20buildings](http://www.xinhuanet.com/english/2019-10/11/c_138463183.htm#:~:text=An%20ecobrick%20is%20composed%20of,houses%20to%20schools%2C%20and%20buildings)

**Eco-friendly construction hollow blocks, called "ecobricks", made of plastic sachets and other non-recyclable wastes**

by Green Antz Builders



# Ecobricks



- Ecobricks resemble lego blocks.
- The plastic laminates act as an insulator that locks out the heat passing through normal hollow blocks, making ecobricks cooler and more durable.
- A community in Plaridel built a daycare center by collecting and donating plastics to Green Antz. With discounted ecobricks, the local government was not only able to save money, but provide a sustainable learning facility for kids.

Green Antz Builders started as an advocacy among friends in 2012 out of the motivation of a group of engineers and entrepreneurs to take up an initiative that repurposes sachets

**Ecobricks**  
by Green Antz Builders

# E-jeepney



<https://vulcanpost.com/624595/ph-first-electric-jeepney-founder/>

- In the early months of 2007, Philippine Utility Vehicle (PhUV) Inc. was born headed by its President, Rommel Juan
- It is a corporation that aims to solve one of Philippines' major problem: obsolete jeepneys that put people at risk. The first one was called "Darna" named after a Filipina superhero

**E-jeepney**  
by PhUV



# E-jeepney



- The units are powered by state-of-the-art rechargeable automotive battery that can be charged via ordinary outlets.
- Traditional jeepneys: can hold a maximum of 20 to 22 persons per unit,
- E-jeepneys: can accommodate 16 people (14 tons)

**E-jeepney**  
by PhUV

# Takeaways

- Countries can initiate customizable solutions
- Strengthen community awareness on measures to prevent further environmental degradation and biodiversity loss



Target 12.2



Efficient use  
of natural  
resources

Target 12.4



Chemicals  
and waste  
management

Target 12.5



Reduce,  
recycle and  
reuse

Target 12.6



Sustainability  
reporting

Target 12.7



Sustainable  
procurement





**Thank  
you**