



CEFA 2017

Foro de Economía Circular de las Américas

Construyendo un continente circular

CIRCULAR ECONOMY ENTREPRENEURSHIP IN THE CASE OF SIDS

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Outline

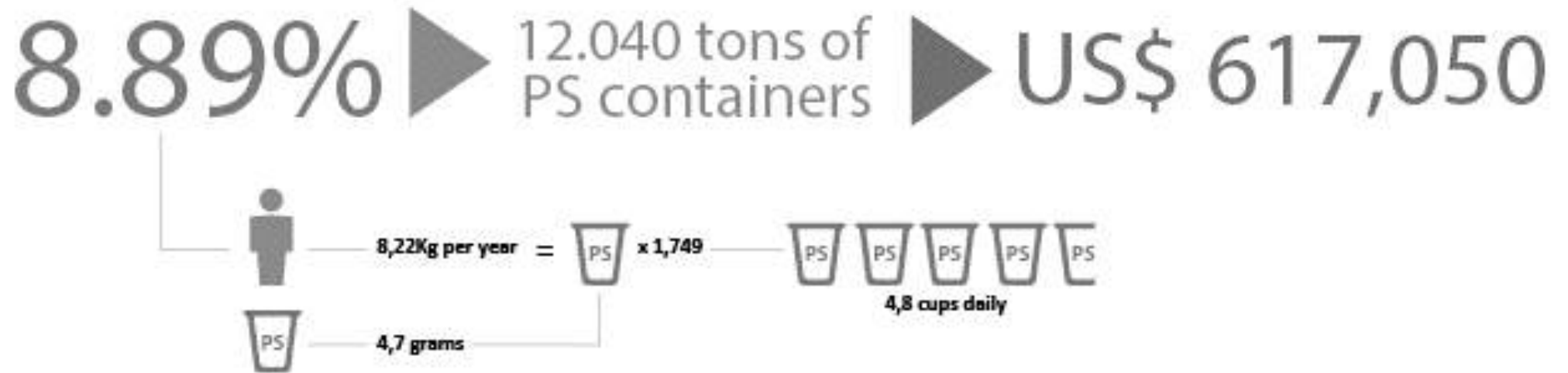
- **A Case Study (still in progress):
Expanded Polystyrene in Trinidad & Tobago**
- **Creating Opportunities for Entrepreneurship**
- **Why Is This Important?**

A Study Was Conducted:

“Sustainable Alternative Packaging To Replace The Expanded Polystyrene Foam Containers Produced Within The Printing And Packaging Industry Of Trinidad And Tobago”



Findings of the Study



This is the equivalent of 1,1749 cups being consumed per year by each citizen of Trinidad & Tobago.

Undesirable Impacts

- **US\$ 617,050** spent on handling Styrofoam waste per year in Trinidad & Tobago.
- Improper disposal of Styrofoam leads to **blocked drainage** ways and **flooding** during rainy season.
- “**5th largest creator** of hazardous waste.”
(U.S. Environmental Protection Agency)

Undesirable Impacts

- The manufacturing process involves both the use of Styrene (a **suspected carcinogen** and **neurotoxin**) and Benzene (a **known carcinogen**).
- “**Increased mortality** from incidence of cancer of the lymphohematopietic system and increased levels of DNA adducts and **genetic damage** in lymphocytes from exposed workers.” (*U.S Department of Health and Human Services*)

End Result



Minister of Planning & Development announced **ban of Expanded Polystyrene** in the food and beverage sector.



Meetings/negotiation with local manufacturers on-going.







Need to create **enabling environment** for current manufacturers to transition to sustainable alternatives and to facilitate new market entrants.



Key Lesson

In order to make transition possible, we need to be able to **estimate cost** and **implications of transition** for policymakers.

This includes:

-  Cost of policy incentives for entrepreneurs
-  Cost of technology/equipment
-  Cost of stranded assets
-  Cost of inaction





Why is this important?

What's the big deal?

The greater potential of a Circular Economy Transition

Resource Efficiency and Conservation

- **Linear model of development** in Trinidad and Tobago has contributed in part, to “Dutch Disease” and “Resource Depletion”.
- **A Circular Model** can force us to use existing resources to support other economic activities.
- It not only supports **conservation** and **efficiency**, but creates additional opportunities to add value and stimulate job creation.

Ending Plantation Economy



Sé parte del cambio, contribuye a lograr un desarrollo sostenible para el continente americano a través de la Economía Circular!

Gracias



CEFA 2017

Anfitrión principal



Organiza:



plataforma
economía
circular

Es una iniciativa:

