



BIORESET

THE **NEXT GENERATION** OF PLASTIC

First Company in Brazil to produce organic plastic, **100% BIODEGRADABLE**

Member of

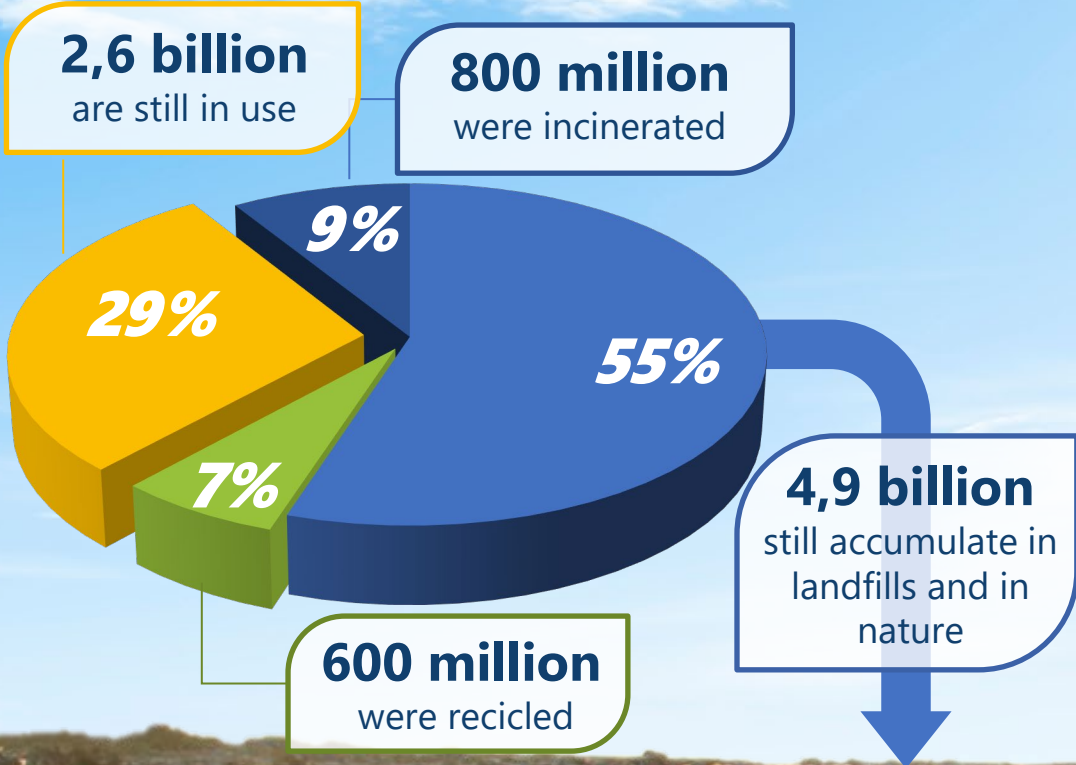


Global Partnership
on Marine Litter



THE PROBLEM

From the **8,9 billion** tons of plastic produced since 1950...



Only **24%** of the plastic waste that reach recycling facilities become **PCRs** to be reused

A NEW STUDY SUGGESTS THAT DISEASE-CAUSING PARASITES CAN QUICKLY SPREAD THROUGH THE OCEAN BY HITTING A RIDE ON PLASTIC PARTICLES.

Microplastics can be found everywhere, from the deepest oceans to the highest mountains. They were recently found in human blood for the first time too. But a research team has now established that microplastics can harbour parasites as well, posing a serious risk to marine animals, public health and ecosystems.

SMART NEWS

Microplastics Detected in Human Blood in New Study

Researchers found plastic in the blood of 17 of 22 of study participants, or about 77 percent

Margaret Osborne
Daily Correspondent
March 28, 2022

Plastic Emissions To Reach Irreversible 'Tipping Point' Soon, Scientists Warn

By Sally Ho — Published on Jul 15, 2021 — Last updated Jul 15, 2021

RESEARCH & SCIENTIFIC STUDIES | CLIMATE CHANGE | PLASTIC

Climate > Sustainable living

Microplastics present in 90 per cent of cosmetic products, report finds

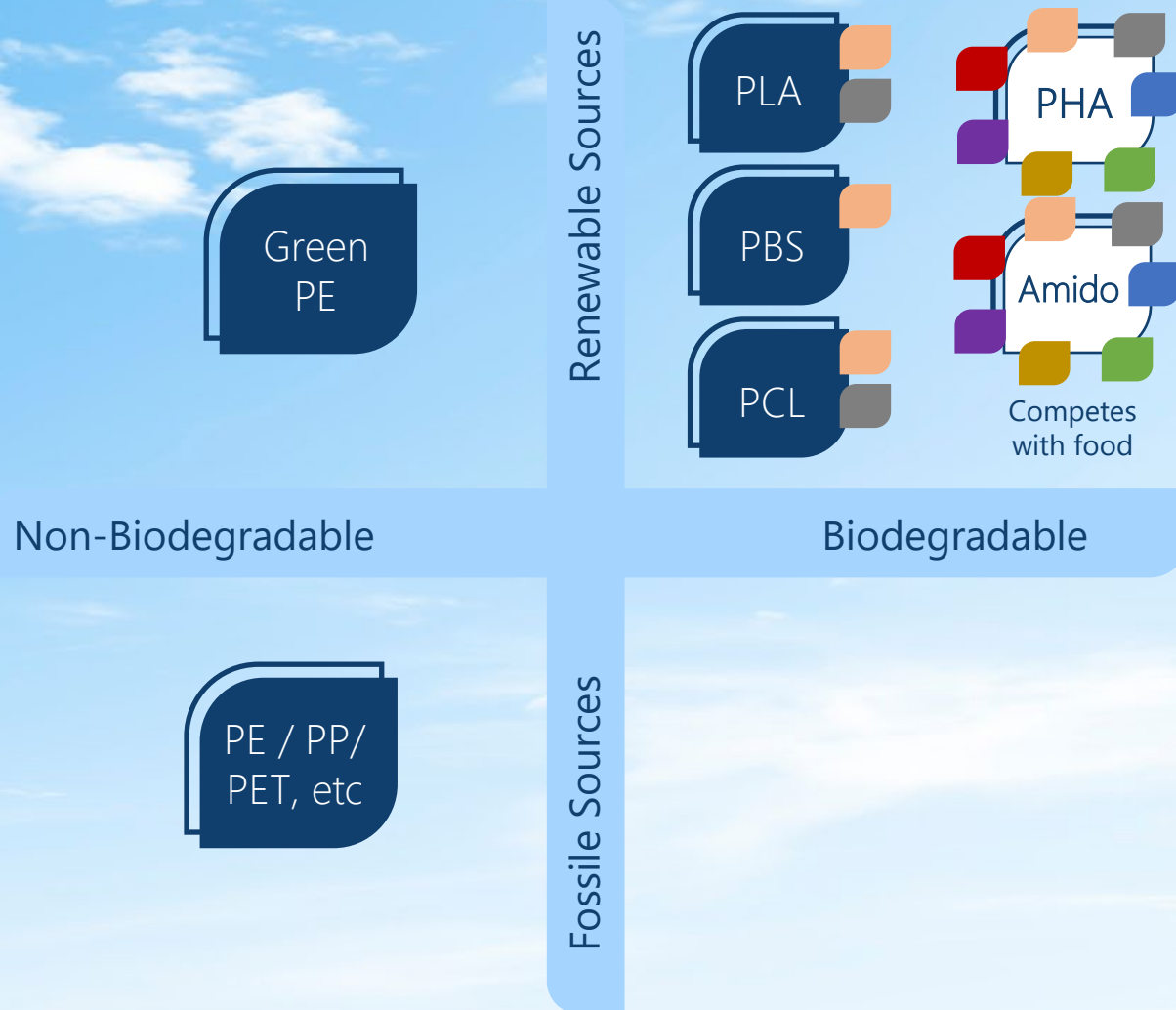
Most cosmetic producers strongly depend on microplastic ingredients

Charlie Duffield • Thursday 07 April 2022 16:31 • [Comments](#)

THE SOLUTION



COMPETING RESINS



TOTALLY BIODEGRADABLE IN

-  Marine environment
-  Fresh water
-  Soil
-  Home composting
-  Landfills
-  Anaerobic digestion
-  Industrial composting

Fonte



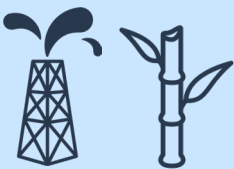
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VALUE PROPOSAL

Raw Material



Oil and Sugar Cane derivatives



PHA Organic Bioplastics

Aditives and Formulations



Plastic resins according to

- Industrial Applications
- Durability and Life Cycle

Resins to Plastic Industries

Conventional fossile based plastic resins for durable applications



Biodegradable bioplastics for short lifespan applications



BioPET BioPEBD BioPP

Final products



End of Life

9%



91%



Reduction of plastic waste in nature and landfills



BRAZILIAN MARKET

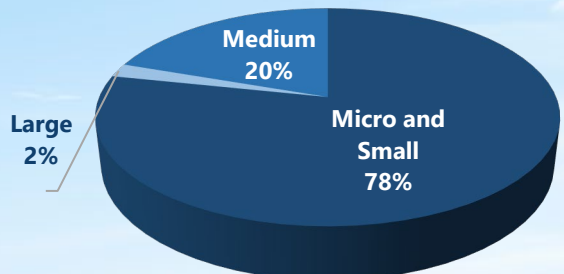
Plastics Manufacturers (2021)

11.032
Plastic Industries



- > 1000
- 500 a 999
- 200 a 499
- 50 a 199
- 0 a 49

4.695
Companies in SP

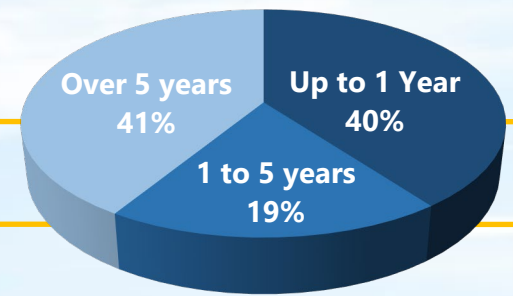
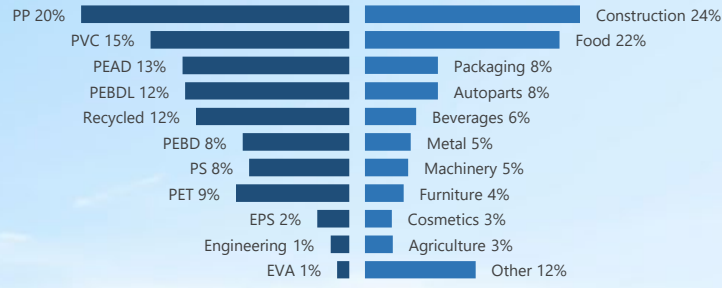


Companies Size

Plastic Items Production (2021)

8,2 million
tons of plastic consumed

7,1 million
tons of plastic items produced



Products Lifespan

SOM

US\$ 3,00/kg
Conventional price of oil-based plastic resins (PP)

3,3 million tons

US\$ 10
Bi/year

1,6 million tons


US\$ 5
Bi/year


Brazil Only

US\$ 15
Bi/year

TRACK RECORD

Own Capital

Aug/18  **Main Idea**
Organic material to replace plastic

Feb/19  **First base protocol and first Patent**

Family & Friends

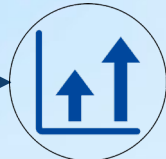
Aug/20  **Specialized team**
USP ipt

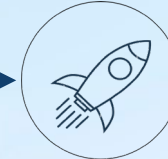
Oct/20  **Professional Lab**
Inova Jacarei

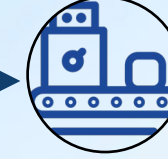
Jun/21  **Register of 50 patents using organic waste**

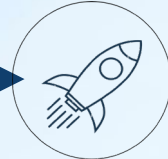
Oct/21  **accelerator 100+ ambev**

Angels

Jan/22  **Pilot scale-up 5 lts > 500 lts**

Jun/22  **Braskem LABS**

Aug/22  **Industrial injection tests**

Sep/22  **PLUGANDPLAY ALLIANCE TO END PLASTIC WASTE**

US\$ 400 k ✓

Samples and Prototypes for tests and Market prospects



Pilot 500 liters

Seed Capital -\$

Start medium scale production, Prospect and Go-to-Market



Production

Organic Growth ↻

Strategic Markets entry and on demand uscaling



On demand Production Increase

upscale

upscale

MANAGEMENT



Fernando Piovesana

CEO



Guilherme Bononi

Finance



Carlos Eduardo Sassano

Bioprocesses



José Geraldo Pradella

Upscale



ADVISORY BOARD



Gilmar Magi

Processes



Gabriel Leutewiler

Legal

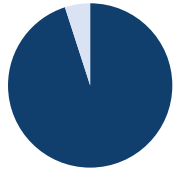


PRODUCTION



Giovanni Bortolansa

Manufacturing



95,5%
CapTable



Full
time



Part
time



BIORESET
THANK YOU!



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