

5,352



TITANICS



PHAGAVE





## Problem/opportunity

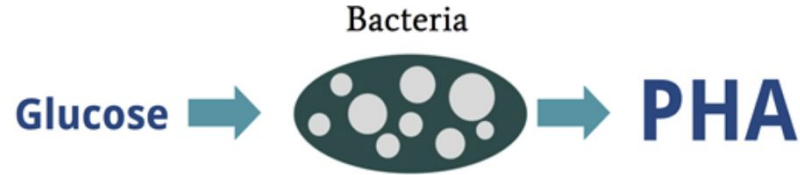
**01** 273 million liters of tequila every year = 400 thousand tons of bagasse (industrial waste)

**02** 100 - 1 000 years to decompose a normal plastic



# Solution

Obtention of bioplastic (PHA) from bagasse.



**07** 50% of the bagasse weight can be converted

**08** Bioplastic: 1 month - 3 years to decompose

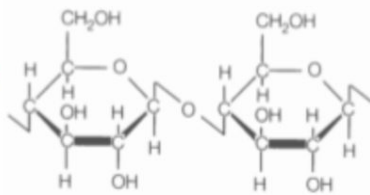
# How it works?



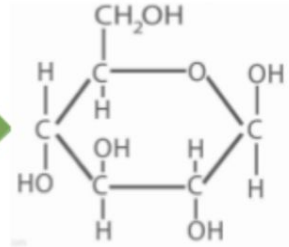
273 L  
MILLION  
produced  
annually



5 Kg OF  
BAGASSE  
for every  
liter of  
tequila



41%  
CELLULOSE  
extracted  
from  
bagasse



60%  
GLUCOSE  
extracted  
from  
cellulose



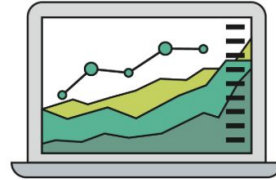
42% PHA  
can be  
extracted  
using  
glucose

# Market Opportunity



## The Market

demand is rising and with more sophisticated materials, applications, and products emerging, the market is already growing by about 20 to 100 per cent per year.



## Market Trends

bioplastics is predicted to grow by 50 percent in the medium term



## Market Flow

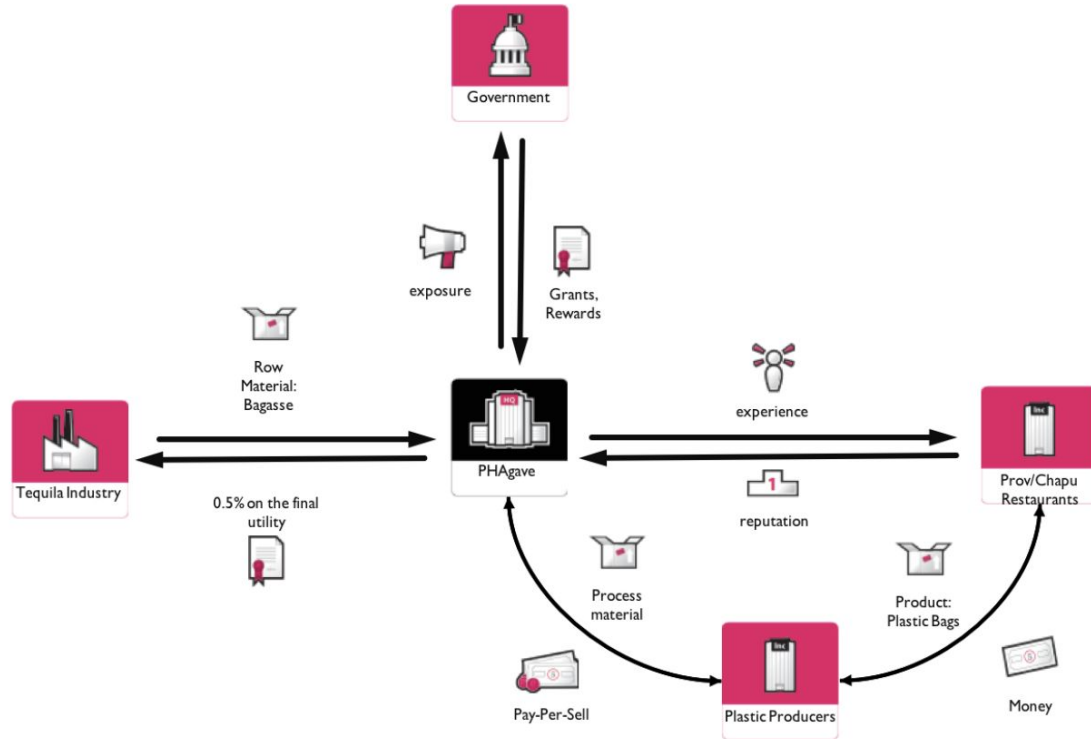
from 4.2 million tonnes in 2016 to approximately 6.1 million tonnes in 2021.



**How do we  
make money?**



# Business Model





# Milestones



# Future Goals

In 2 years

2019



To Satisfy

The plastic need of  
the restaurants in  
Guadalajara



# Investment

692,153.5 USD

**1** Space &  
Adaptation

**2** Manufacturing Line

**3** Quality Control

**4** Maintenance &  
Materials



Taking Tequila industry  
**WASTE** to the Next  
Level:

**BIOPLASTICS**





**THANK YOU**