



plastic behind!

4th Biobased Economy Conference

2020



The Problem

The global pandemic of plastic packaging is threatening both humanity and nature.

MAIN PROBLEM: Food packaging and fast-moving consumer goods.

DISPOSAL: Waste incineration, landfills and dumping are **no solution**.

PLASTIC RECYCLING Until now we have produced about 8,3 billion tons of plastic of which we have
IS FAILING: recycled 9% and have burned abt. 12%. **The rest is unaccounted for.**



We are the Problem!

Office lunch waste 4.7.2019

This occurs

4.43 Mn times each Day in the EU alone

No compostable disposable solutions have a good life cycle.



PAPER
0,03 - 0,15 €
(uncoated)



PLA (BIOPLASTIC)
0,10 - 0,25 €



SUGERCANE
0,08 - 0,15 €



REUSABLE
0,70 - 10 €

life cycle assessment



Problematic extraction of raw materials
(FSC mix, Glyphosate, intensive agriculture etc.)

Problematic reintegration

- None compost naturally
- None are home compostable



Problematic production

- Energy intensive
- Resource intensive (water)

HIGHLY ABSTRACTED RAW MATERIALS THAT ARE DIFFICULT TO REINTEGRATE

REUSABLES ARE GREAT, BUT THERE ARE, AND WILL BE LOTS OF APPLICATIONS WHERE DISPOSABLES ARE UNAVOIDABLE

A single pressed leaf...

Agricultural waste (no connection to palm oil, intensive farming or clearing of rainforest)



...becomes a plate

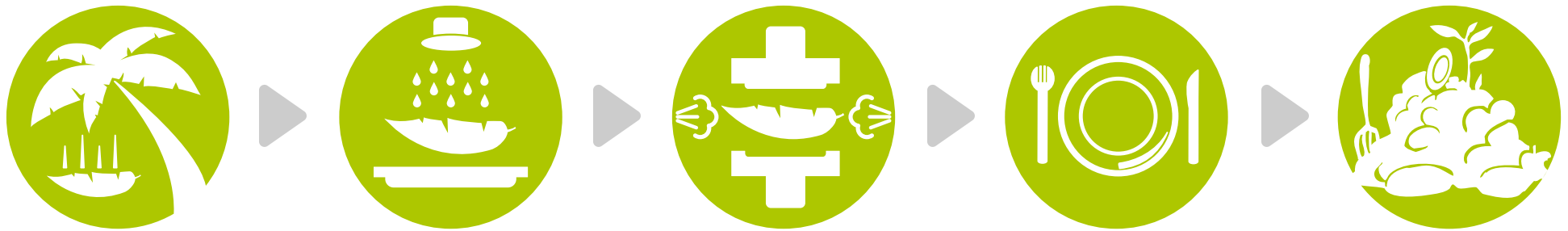
Decomposts within 90 days
(from 0,12 EUR)



**We don't produce.
We borrow from nature.
And return it.**



The process



What it looks like





After collecting the Areca leaves, they are placed in our store-house



② washed leaves

③ scrap or offcut (can be composted and used as organic fertilizer)

① here the washed leaves are pressed

④ finished plates before sanitizing with UV light and packing



A brown cow with a white tag in its mouth stands in the foreground, looking towards the camera. The tag has some text on it, but it is not legible. In the background, there is a building under construction, made of concrete blocks and red bricks. The building has several windows and is surrounded by a dirt area with some construction debris. Palm trees are visible in the background, and the sky is overcast.

**Difficult
beginnings**

Leef transforms

THIS

100% Residual waste

100-1000 yrs.
to decompose

INTO THIS

98% Compostable waste

2% Recycling paper

90 days to become soil

Another Problem



"Ocean Sole"
A Giraffe made
from 400.000 slip-
pers picked up on
just a few beaches
in Kenya

The Solution

Decomposts within 90 days
(from 2 EUR)

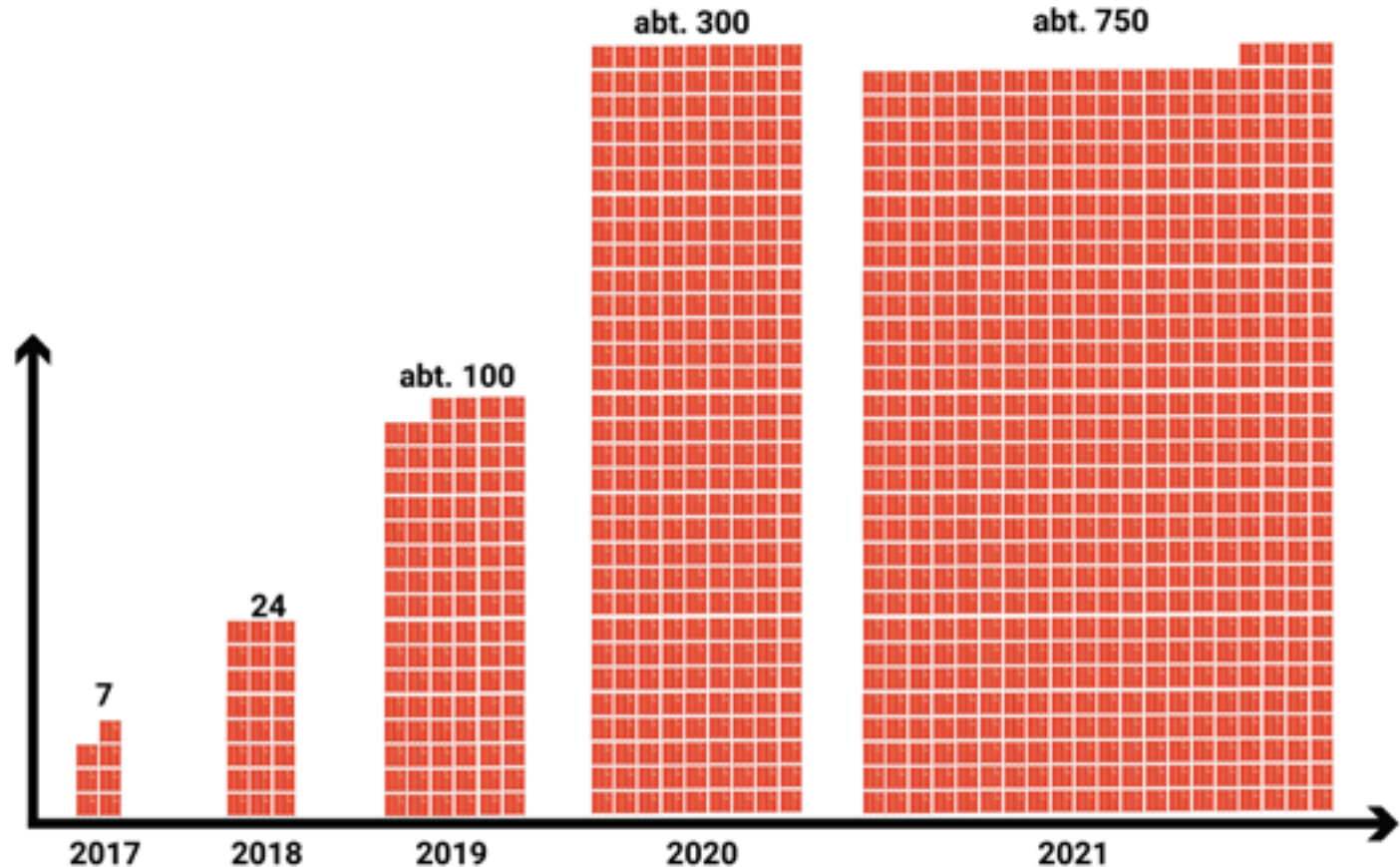




**Amazing &
highly professional TEAM**

Our growth in containers

1 Container
≈
150,000 Products



Turnover & outlook

Turnover to date


2014:	10 KEUR	2017:	340 KEUR
2015:	100 KEUR	2018:	530 KEUR
2016:	230 KEUR	2019:	1,4 MEUR
		2020:	est 5,4 MEUR

And yes...

With Leef Unlimited, our non-profit segment, we also supply festivals and protect rainforest.

We have closed the cycle and have made sure that there are also leaves for tomorrow.





**Thank you for
your attention**

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