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REGIONS FOR  
BIOECONOMY



# The future of single-use food packaging according to Biotrem

Biodegradable single-use tableware and packaging made from plant-based raw materials  
- by-products and waste of the agri-food industry

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This project has received funding from the European Union's  
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the future of single-use tableware and packaging is happening today  
here in Poland





**Małgorzata Then, CEO of Biotrem**  
**Jerzy Wysocki, inventor of the Biotrem technology**



**771.7**

Global production of wheat  
in million metric tons in 2017



**1069.7**

Global production of corn (maize)  
in million metric tons in 2018



**277**

Global production of cassava (manioc)  
in million metric tons in 2016



**2.2**

Global production of seaweed  
in million metric tons in 2018

**manufacturing of single-use products from sustainable  
agri-food industrial by-products or waste is a natural choice**





**extremely flexible technology  
easy to transfer and highly scalable**





**with the Biotrem technology 1,000 kg of raw material  
can be easily transformed into over 10,000 plates or bowls**





**Biotrem product: single-use wheat bran tableware  
fully biodegradable, home compostable within just 30 days**





**certified for food contact safety**  
**certified for oven and microwave use safety**





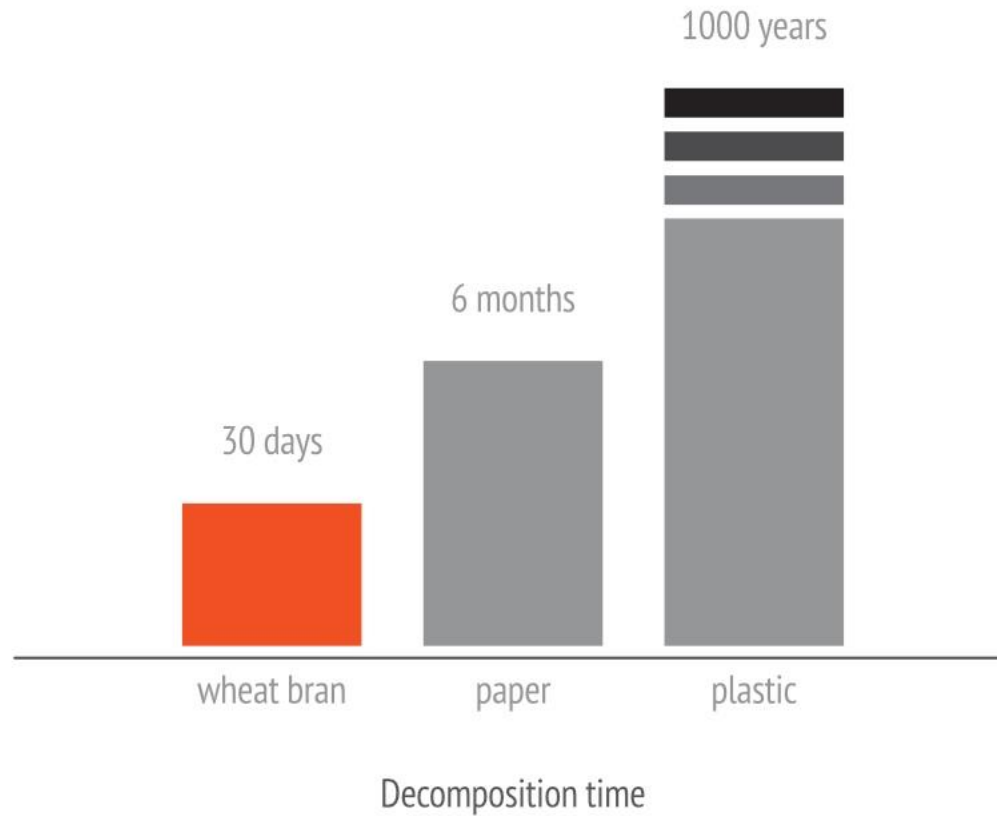
**over 3,5 million tons of waste produced every day  
only around 3% of packaging used in food services is recycled**





**single-use tableware made from wheat bran is an excellent alternative to plastic or paper disposable products**





**1kg of wheat bran products generates only ~1.3kg of CO<sub>2</sub>**  
**1kg of plastic disposable products generates ~8.5kg of CO<sub>2</sub>**



**50+**  
distributors

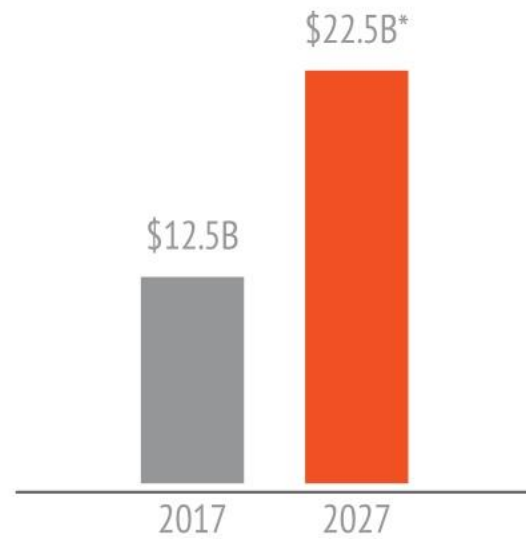
**40+**  
markets

**18+** millions  
units sold to date

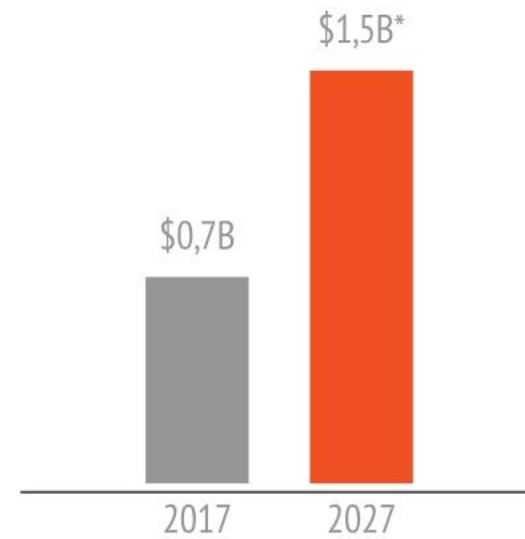


**Biotrem products are available on 40 international markets  
yearly production capacity is estimated at over 20M units**





Global market of the biodegradable single-use tableware (\* forecasts)



Global market of the biodegradable single-use take-away packaging (\* forecasts)

**market of biodegradable disposable tableware and packaging is one of the fastest growing sectors**





next step: environmentally friendly, fully biodegradable  
single-use take-away food packaging #branbox



# Thank you for your attention!

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#biotrem #branbox



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