



CARBIOS

Enzymes powering the Circular Economy

By Alice Klein





The Problem

Plastic production and recycling

- 460 million tons of plastics produced worldwide every year
- 350 million tons of plastic waste generated worldwide
- 9% is recycled!
- 22% of plastic waste is mismanaged

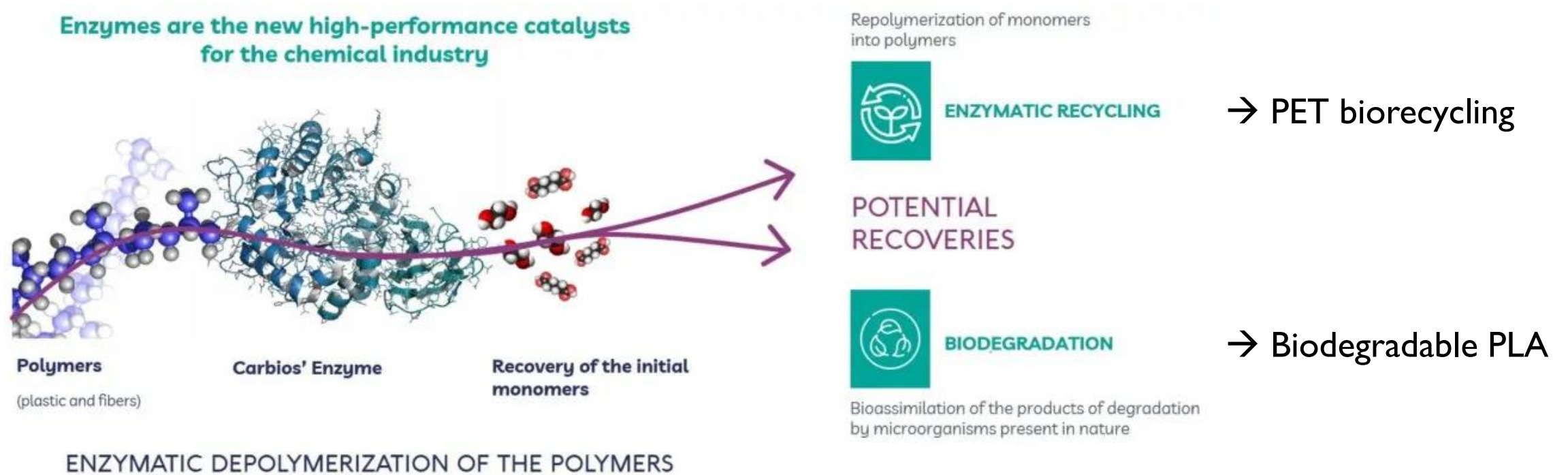




Carbios solution

Enzymatic recycling

- Reinvent the life cycle of plastics and textiles with enzymatic processes





Unique Selling Point

- First and only company worldwide combining enzymology and plastics
- Infinite recycling of all kind of PET waste
- 100% recycled and 100% recyclable products
- Low temperature recycling process





Business model



Licensing and
selling of **Process
Design Package**



Upfront revenues from
technology licensing

Recurring revenues
from **enzymes sales**

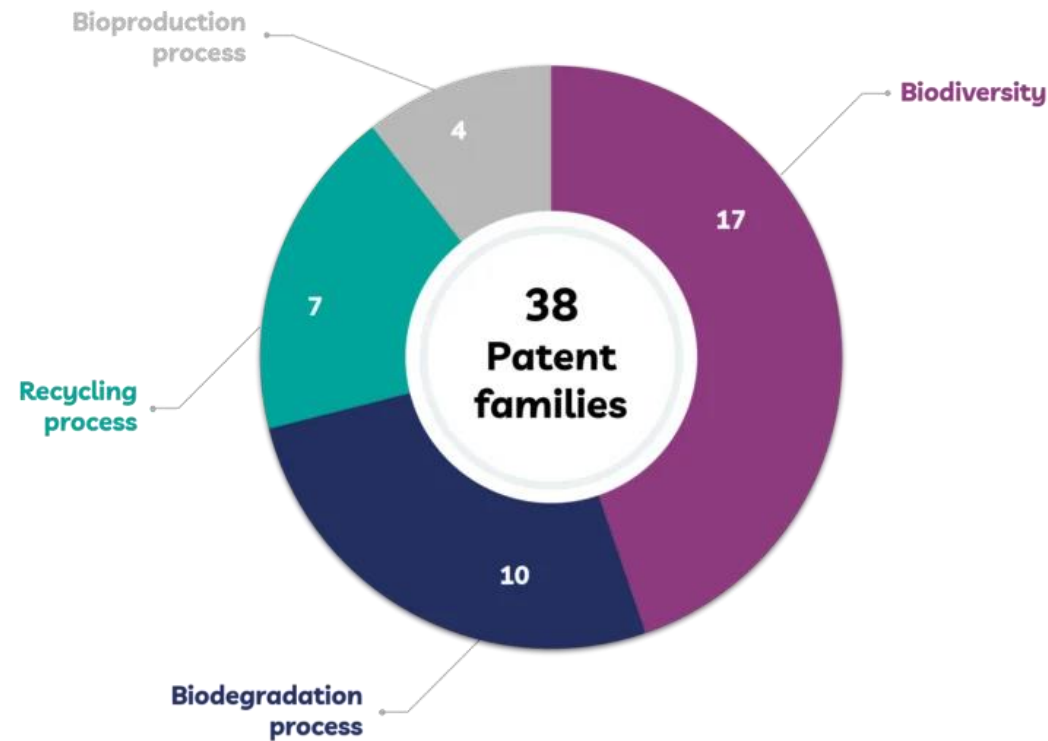
Producing and
selling
**proprietary
enzymes**





Intellectual Property

Guarantee a strategic competitive advantage





Outlook



- Industrial scale up:
Recycle 50 000 tons of PET waste per year by 2025 → 2 billion PET bottles!
Recycle 2 million tons of PET waste per year by 2030
- Biological innovations for other plastic types (PP, PE, PA etc.)





Thank you!

Let's create together the enzymes
powering the circular economy!





References

- <https://www.oecd.org/environment/plastic-pollution-is-growing-relentlessly-as-waste-management-and-recycling-fall-short.htm>
- <https://www.carbios.com/en/>

