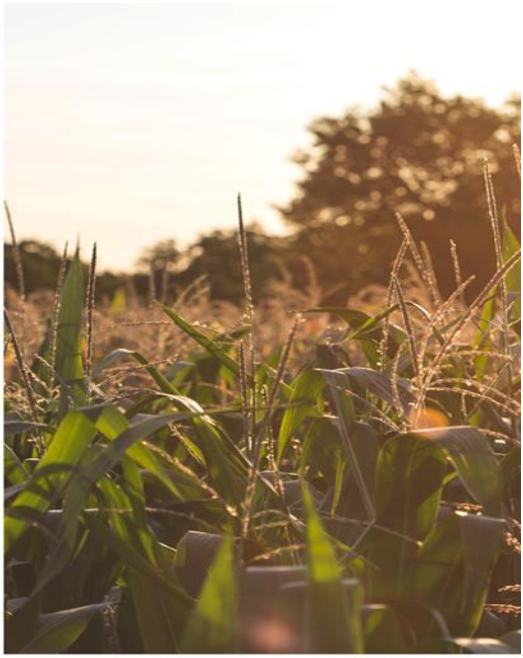

AD·Bio
plastics

ADBioplastics

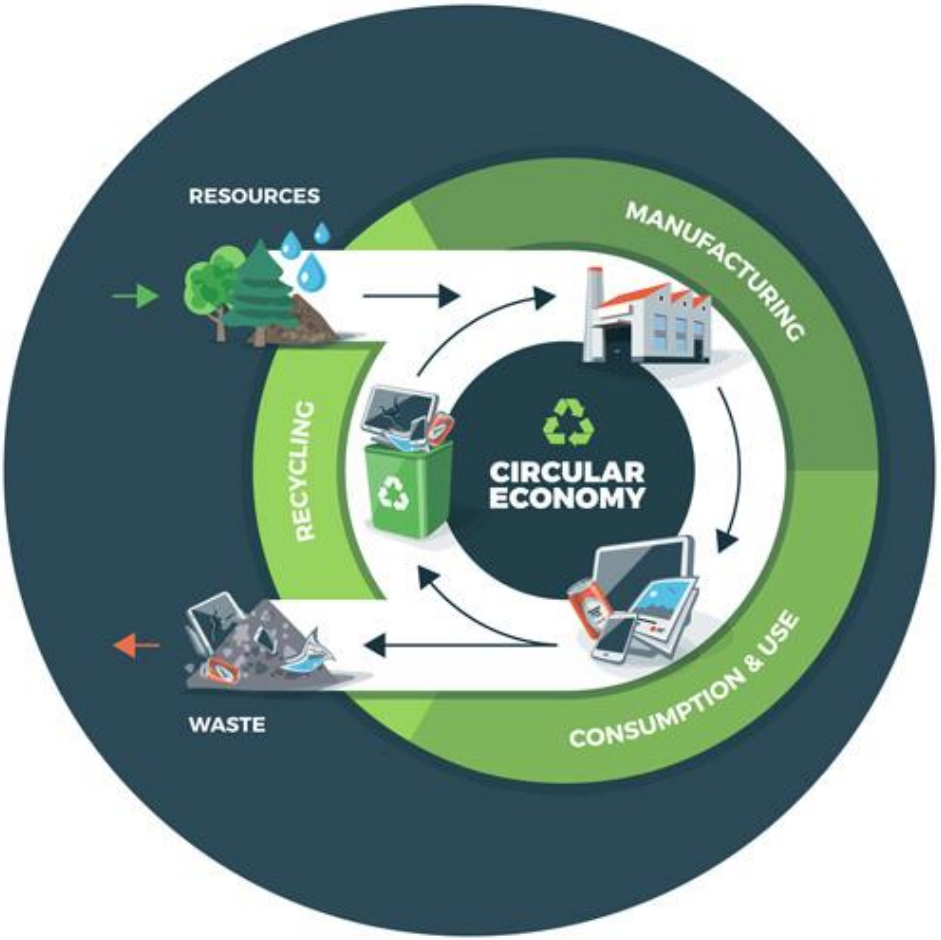
ADBioplastics is an ITENE spin off with the solid expertise in designing tailor-made materials with enhanced properties by using innovative technologies currently applied in other scientific fields, commercialization and business development of biodegradable polymer specialities and novelty bioadditives. We improve the required properties of the major bioplastic material nowadays, such it is polylactic acid.



Products PLA-Premium

SERIE	PROCESSING TECHNIQUES	
Extrusion - Thermoforming ● E 1100 ● E 2100 **Injection Moulding** ● M 3100 ● M 4100 **Injection Blowing** ● B 5100 **Film** ● F 7100	**All our products** *Better processability* *Higher barrier properties than PLA*	**PLA-Premium E** ● High transparency ● High temperature resistance **PLA-Premium M** ● High transparency ● High temperature resistance **PLA-Premium B** ● High transparency **PLA-Premium F** ● High transparency

Compostable bioplastics



Be part of the circular economy

BIOplus : Origin + Biodegradable

Produced by living organisms: Corn, sugar cane and sugar beet

SUSTAINABLE: CO_2 released when they degrade, reabsorbed by crops grown to replace them

RENEWABLE: They are made from plant materials which can be grown indefinitely

COMPOSTABLE: It will break down by 90% within six months in an industrial composting process

Advantages of using PLA-Premium

TECHNICAL PROPERTIES

- Higher barrier OTR/WVTR than PLA
- Thermal stability and improved mechanical properties
- Tunable transparency

INDUSTRIAL PRODUCTION

- Supplied as additive and ready to use pellets
- Processed by conventional techniques

FOOD CONTACT SAFETY

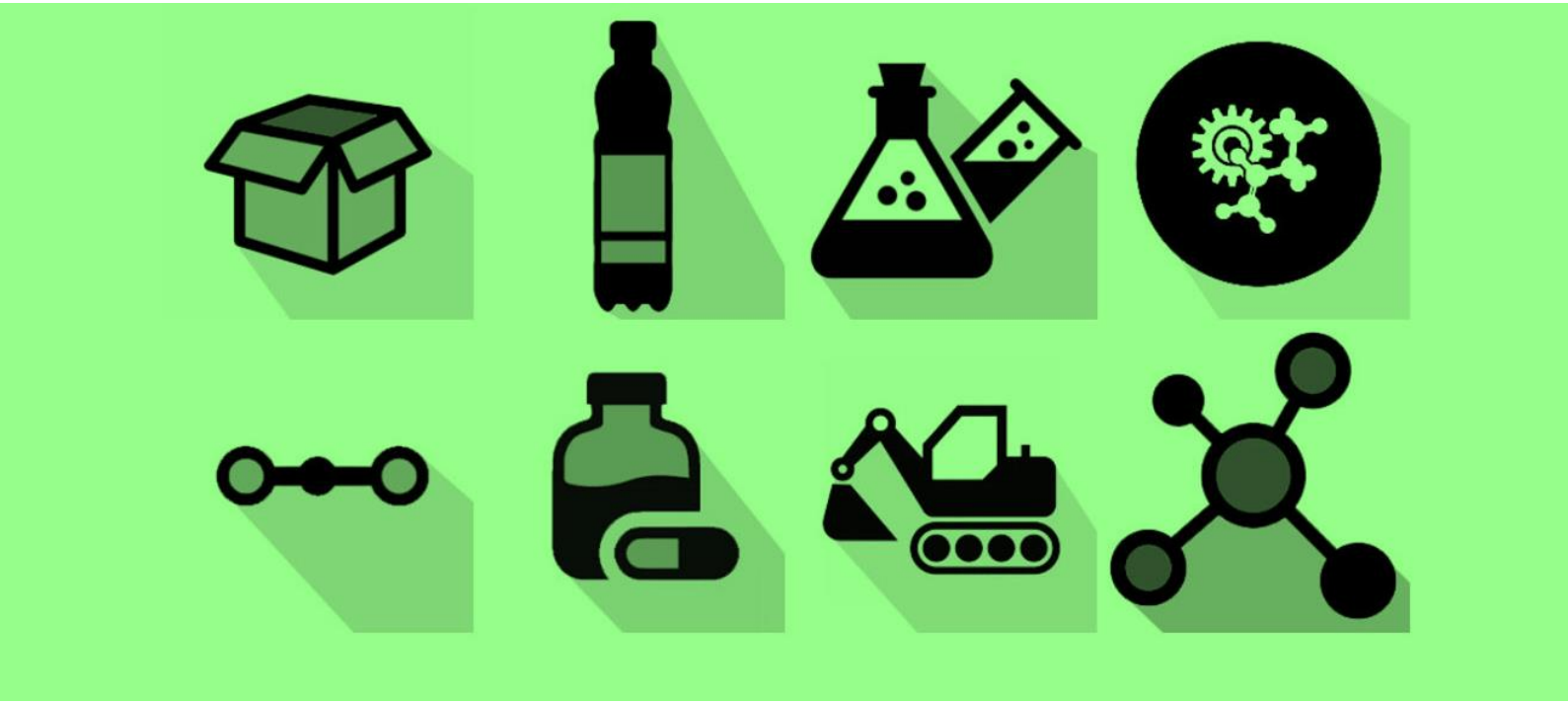
- Non migration components
- Food contact approved

LIFE CYCLE

- PLA-Premium is biodegradable and compostable
- EN 13432-2000

Sectors

PACKAGING PLASTIC CHEMICAL BIOMEDICAL



AUTOMOTIVE PHARMACEUTIC CONSTRUCTION OTHERS

Challenges

- Single-use plastic will be banned in the EU by 2021
- European strategy 2030 for plastics
- Reduction of CO_2 emissions
- Limited petroleum resources

Letters of intent

The following companies or associations have already requested letters of intent to ADBioplastics because they want to offer their support to our products and closely follow the results obtained of our investigation.

With our bioplastics,

we make the world a better place

HEADQUARTERS (SPAIN)

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