

New bioplastics with improved and advanced properties

SUSPOL
POLÍMEROS SOSTENIBLES



BACK TO THE EARTH



Problem

Most of plastics are oil-based and cannot be recycled

Traditional plastics production will keep growing

Bioplastics > x3 more expensive

Poor processability of bioplastics

Bioplastics production highly dependent on food crops

**4 %
CAGR**

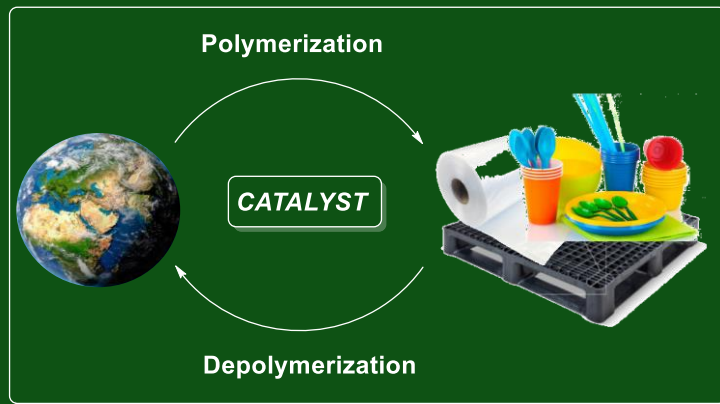
2030

€827 B



Solution - Value proposition

Versatile catalysts for production and chemical recycling of various biobased plastics such as PLA

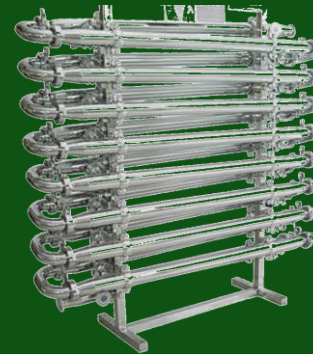


Fully circular productive model

Innovative flow chemistry polylactic acid (PLA) production and chemical recycling



>50% less production costs



FLEXsus[®]

New low-cost, biobased and recyclable plastic to unlock currently inaccessible applications



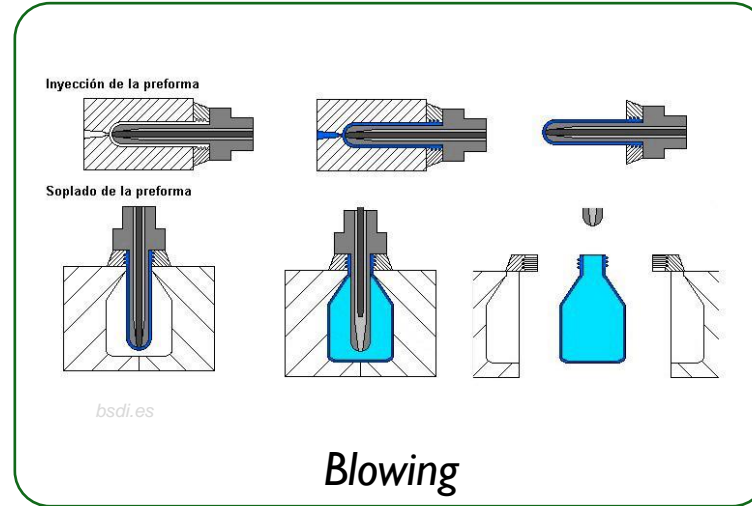
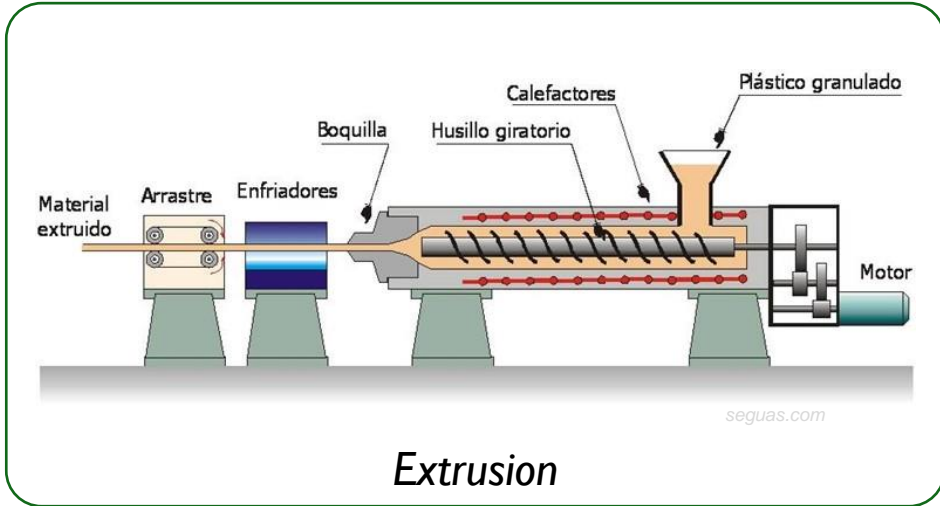
Very flexible

High tensile strength

Very stretchable



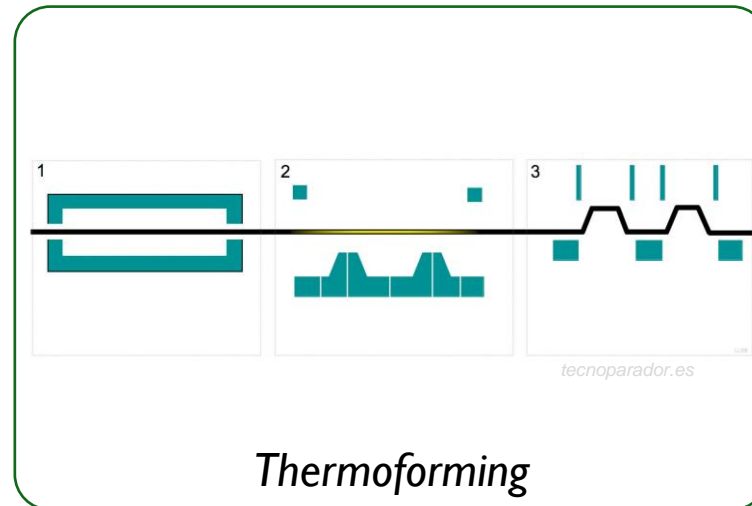
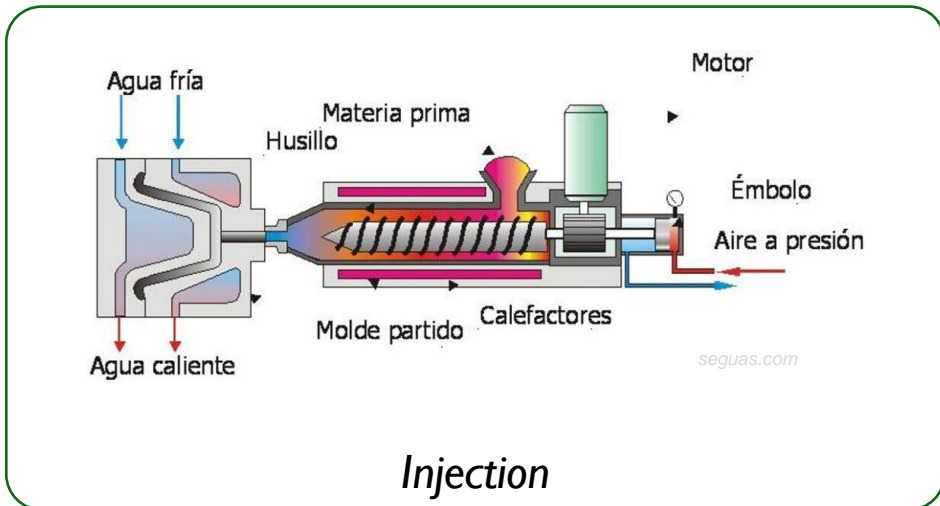
Customers



Textile



Packaging



Agriculture

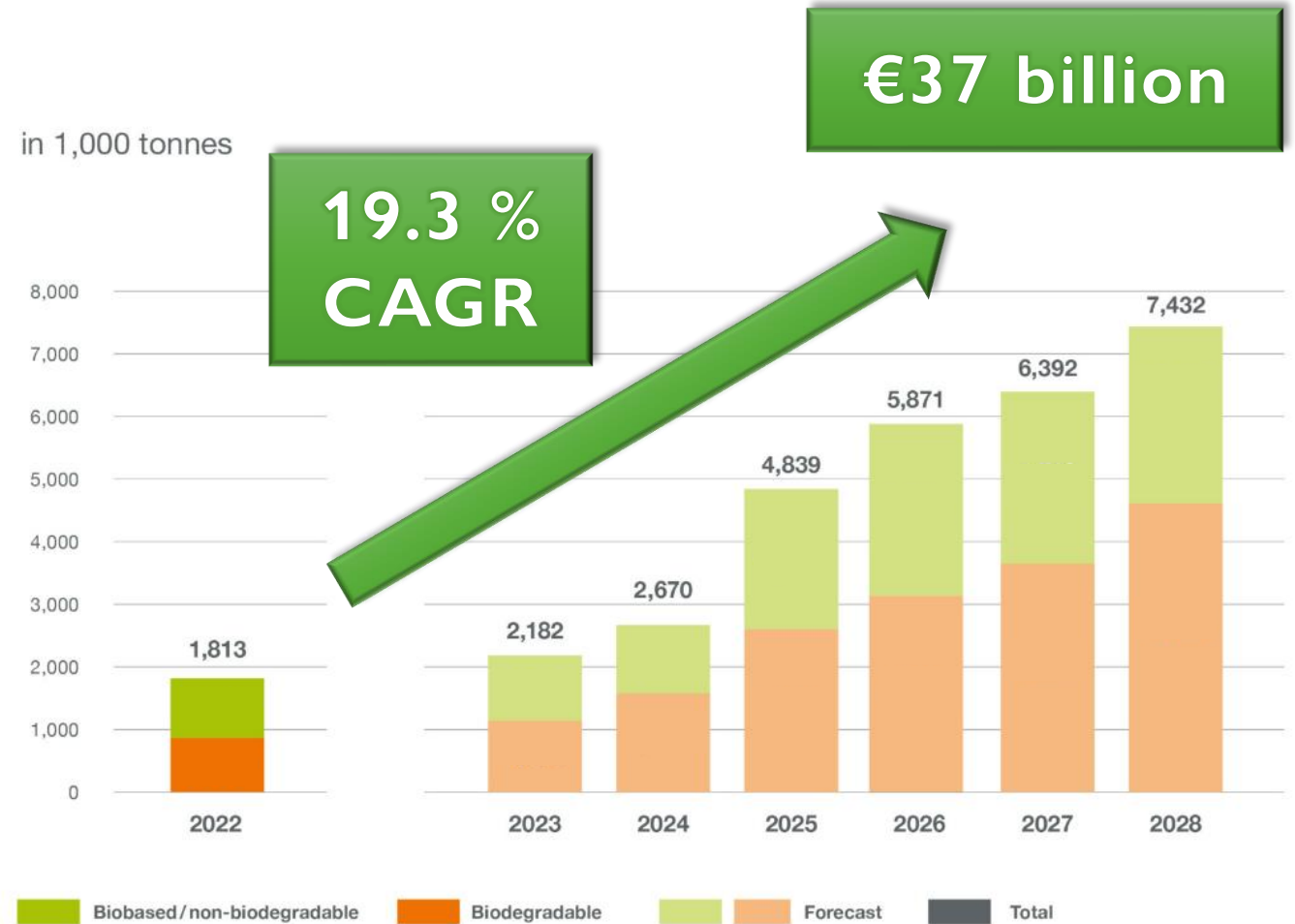


Dental



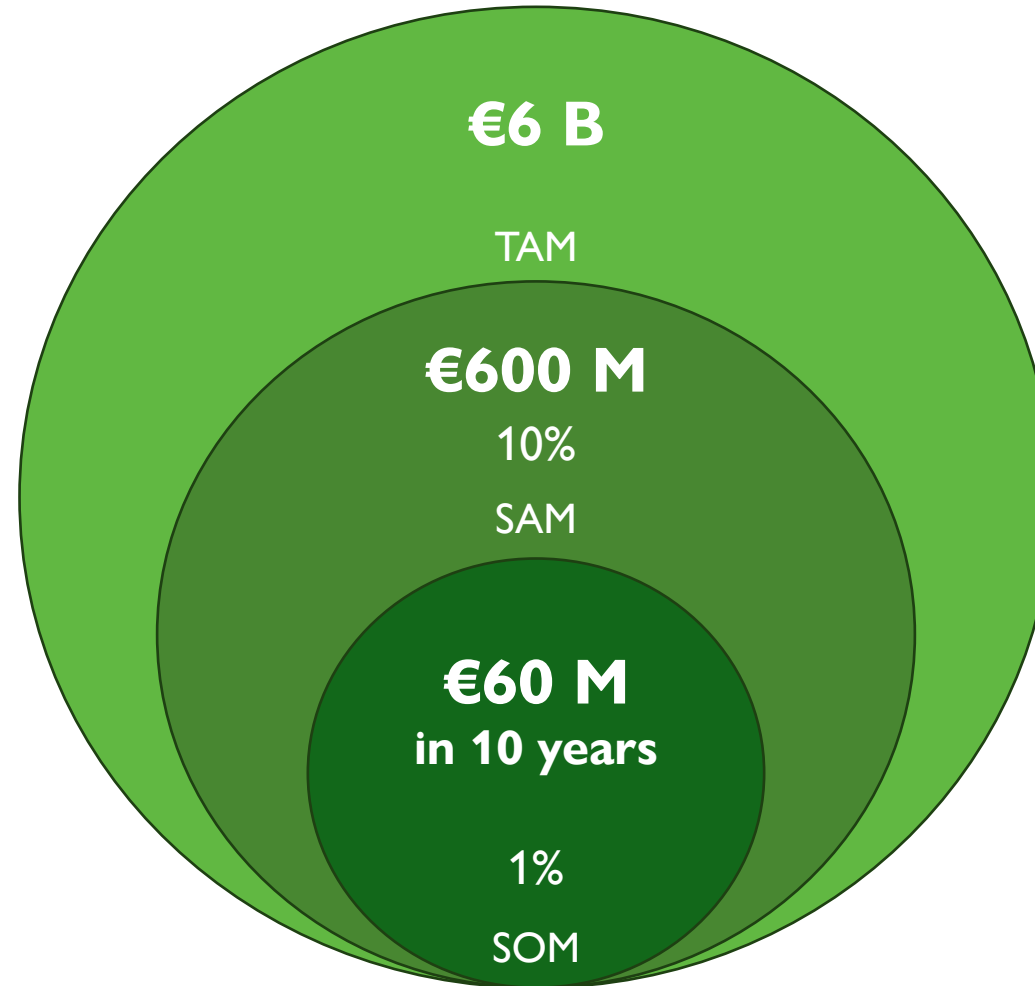
Global Market Potential

The global market is projected to reach more than €37 billion by 2028, registering a **CAGR of 19.3%**



Source: European Bioplastics, nova-Institute (2023)

Market Size - Europe



Bioplastics & Biopolymers Market Worldwide
Revival: Promising Growth Outlook until 2030

Competitive Landscape

Robustness

Patented versatile catalysts for production and chemical recycling of bioplastics

x2 cheaper bioplastics

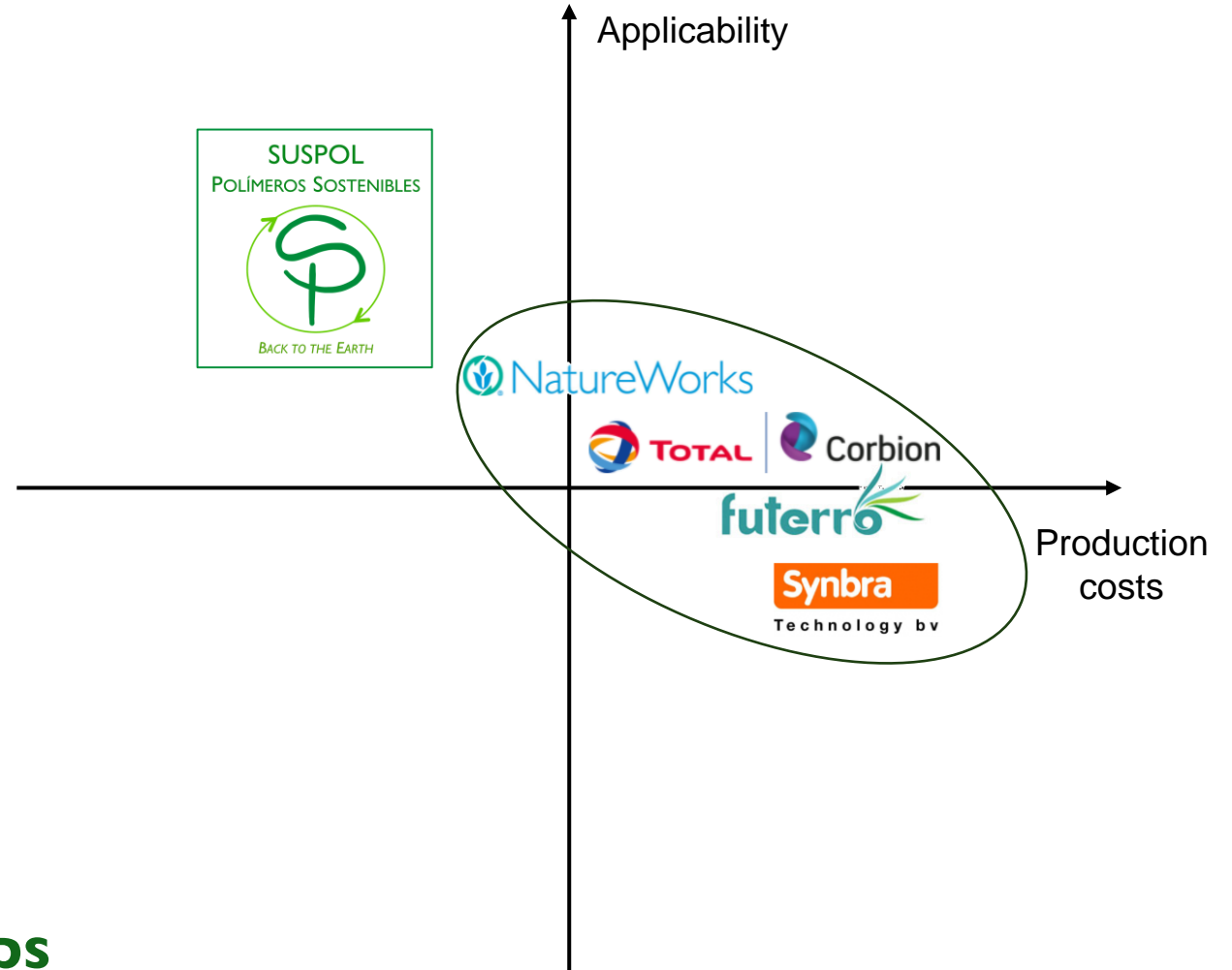
Mild reaction conditions and low energy consumption for production and chemical recycling processes

FLEXsus[®]

New bioplastic to unlock applications in textile and packaging sectors

Cutting dependence on food crops

Chemical recycling for raw materials recover



Financial projections

Cost of raw material 0.4 €/kg

Selling Price 1.2 €/kg

Break even



Profit and Loss	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
kilograms	0	200.000	400.000	800.000	1.600.000	3.200.000
Income	0	240.000	480.000	960.000	1.920.000	3.840.000
Variable costs	0	80.000	160.000	320.000	640.000	1.280.000
Production staff (direct)	0	30.000	53.200	79.800	106.400	133.000
Gross Margin	0	130.000	266.800	560.200	1.173.600	2.427.000
General staff	40.000	70.000	150.000	250.000	300.000	350.000
Company Overheads	20.000	20.000	20.000	20.000	20.000	20.000
R&D expenditure	10.000	30.000	100.000	200.000	300.000	400.000
Equipment Rental	20.000	20.000	20.000	50.000	50.000	50.000
Profit Before Taxes	-90.000	-10.000	-23.200	40.200	503.600	1.607.000
Taxes			-5.800	10.050	125.900	401.750
Result	-90.000	-10.000	-17.400	30.150	377.700	1.205.250

Financing needs

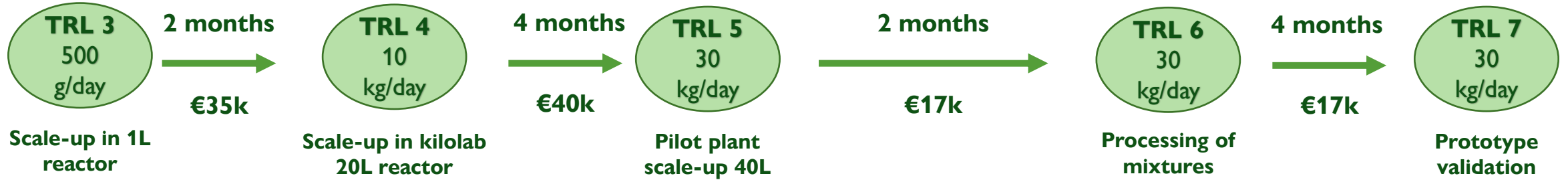
-100.000



€2-3 M round for scaling up

Current financial projections don't include its effect on sales and expenses

Development roadmap



Subcontract optimisation and scaling service of CQAB-UAH

Subcontract to process FLEXsus®-based formulations and develop prototypes for key sectors

Reaction complete 100%
Mw >600 kDa

Formulations valid for sectors of interest

Prototypes validated in a real environment

Core Team

				<p>Seeking...</p> 				
<p>Dr. Palenzuela <i>Founder and CEO</i></p>	<p>Luis Domínguez <i>Financial advisor</i></p>	<p>Albert Mestre <i>Technology advisor</i></p>	<p><i>Venture capital</i></p>	<p>Profile Chemist / Materials Engineer <i>Chemical processes and optimization knowledge</i></p>				
					<p>Profile Mechanical / Process Engineer <i>Knowledge of industrial processes and scale-up</i></p>			
<p>Prof. Mosquera <i>Co-founder</i></p>			<p>Dr. Sessini <i>Co-founder</i></p>		<p>Dr. Whiteoak</p>	<p>Prof. Jiménez</p>	<p>Dr. Tabernero</p>	<p>Profile Polymer Technician <i>Experience in processing and formulation of plastic mixtures</i></p>
<p><i>Scientific advisors</i></p>								