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# Building the Circular Economy

A Closed Loop Partners Overview

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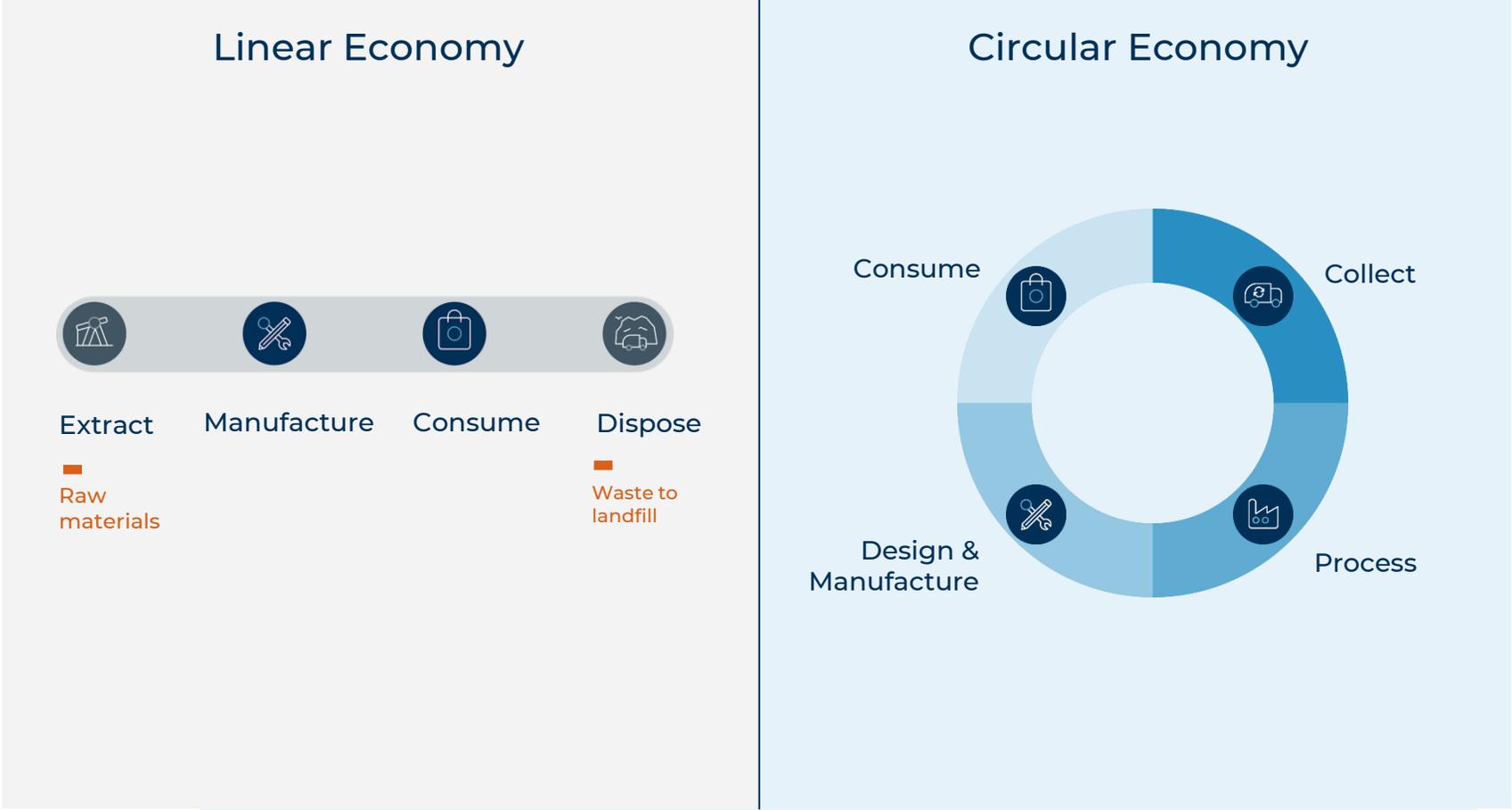
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We invest in the  
**circular economy** –  
an economic model  
focused on a profitable and  
sustainable future.

# What is the Circular Economy

The circular economy is the most significant restructuring of global commerce since the industrial revolution. It is an overhaul of how products are designed, manufactured, sold, refurbished and recycled into new products. It is a framework for global corporations and start ups alike to reduce costs, increase efficiency and protect the environment we share.



# Five Market Forces Driving the Transition



COST SAVINGS

Reduce excess material and input costs, keeping valuable materials in manufacturing supply chains.



REVENUE

Develop new revenue generation opportunities from the sale of resources formerly categorized as waste.



CONSUMER DEMAND

Match brand values to consumer demand for sustainability.



RESILIENCY

Access to large amounts of recycled commodities reduces reliance on volatile raw commodity markets.



POLICY

Governments are requiring recycled content in packaging, restricting non-recyclable materials and increasing end-of-life responsibility.

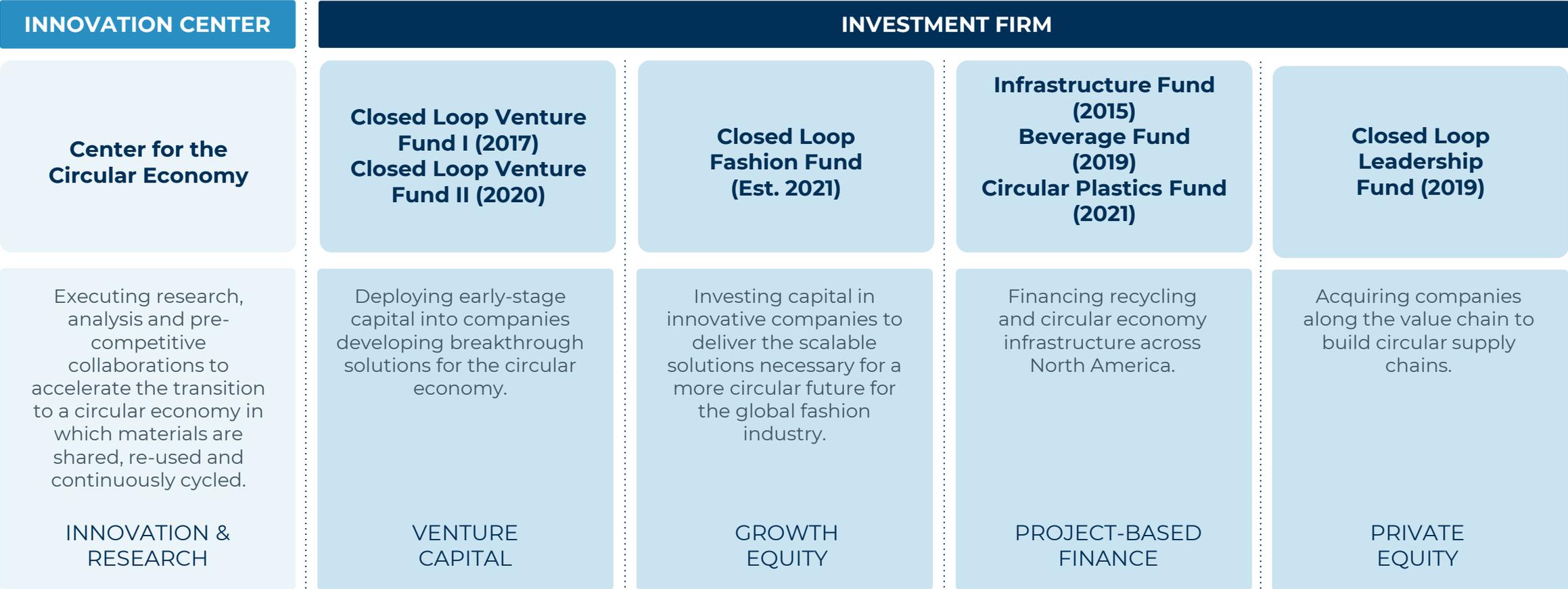


The circular economy  
presents a **\$4.5 trillion** opportunity  
by 2030 globally.

—  
Accenture Strategy, Waste to Wealth; Creating Advantage in a Circular Economy

# Our Business Model

We provide an **arc of capital** that accelerates the growth of early stage companies through to established companies. Our platforms build upon one another, bridging gaps and fostering synergies to scale the circular economy.

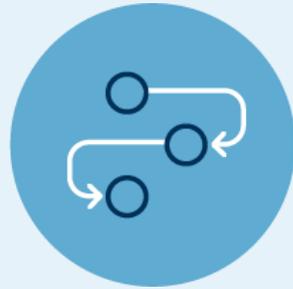


# Our Sectors



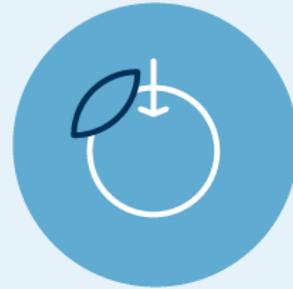
## Plastics & Packaging

Design innovation, reuse, rental and resale models, mechanical recycling & advanced recycling technologies can keep materials in circulation at their highest value.



## Supply Chain Technology

Artificial intelligence, data streams, analytic platforms and predictive approaches can improve circular economy decision-making.



## Food & Agriculture

New materials, agtech, applications to prolong shelf-life, food recovery solutions, regenerative agriculture innovations and composting and anaerobic digestion systems can infuse value-adding nutrients back into the organics cycle.



## Fashion

Reuse and resell technologies, material science innovation, IoT and blockchain solutions can track a product's life cycle, and advanced recycling technologies can ensure that clothing gets a second, third or infinite lease on life.

# Our Investor Network

Our investors work with us to advance industry-wide impact, deploying financial capital and sponsoring strategic collaborations that achieve observable investment and impact objectives, while accelerating systemic, circular change.



A close-up photograph of several green leaves, likely from a plant, showing their veins and texture. The leaves are arranged in a fan-like pattern, filling the frame. The lighting is soft, highlighting the natural green color of the foliage.

The landscape of  
biobased materials,  
compostable products  
and other plastic  
alternatives  
is increasingly complex.

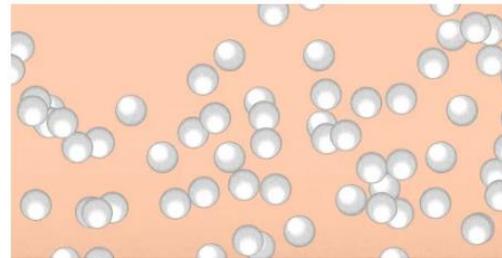
# The Stakes are High

FAST COMPANY

10-29-20 | WORLD CHANGING IDEAS

## Pepsi, Nestlé, and Bacardi are all using this new plastic-like packaging that's compostable anywhere

The plastic is made by bacteria and will break down in your home compost bin, a landfill, or even the ocean.



The Counter

The bowls at Chipotle and Sweetgreen are supposed to be compostable. They contain cancer-linked "forever chemicals."



The New York Times

# Why

# Biodegradable

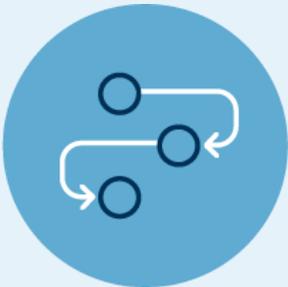
# Isn't What You Think

# Closed Loop Approach to Plastic Alternatives



## Understand

Know the nuances of plastic alternatives, including biopolymers, putting them in context in the broader suite of solutions required to address plastic waste



## Invest

Catalyze capital to scale the organics processing infrastructure necessary to recover the increasing volume of compostable products and packaging



## Collaborate

Align product design, materiality, infrastructure capacity, incentives and labelling standards to ensure that plastic alternatives drive value across the system

# Navigating Plastic Alternatives In a Circular Economy

In December 2020, Closed Loop Partners launched a first-of-its-kind report demystifying the rapidly growing landscape of plastic alternatives, as one line of defense against waste—after reduction and reuse—in the transition to a circular economy. The report unpacks the opportunities and challenges within the industry’s move toward these alternative materials, considering sustainable sourcing of feedstocks and end-of-life recovery pathways that recapture their material value after use.



## Navigating Plastic Alternatives In a Circular Economy

A Closed Loop Partners Report

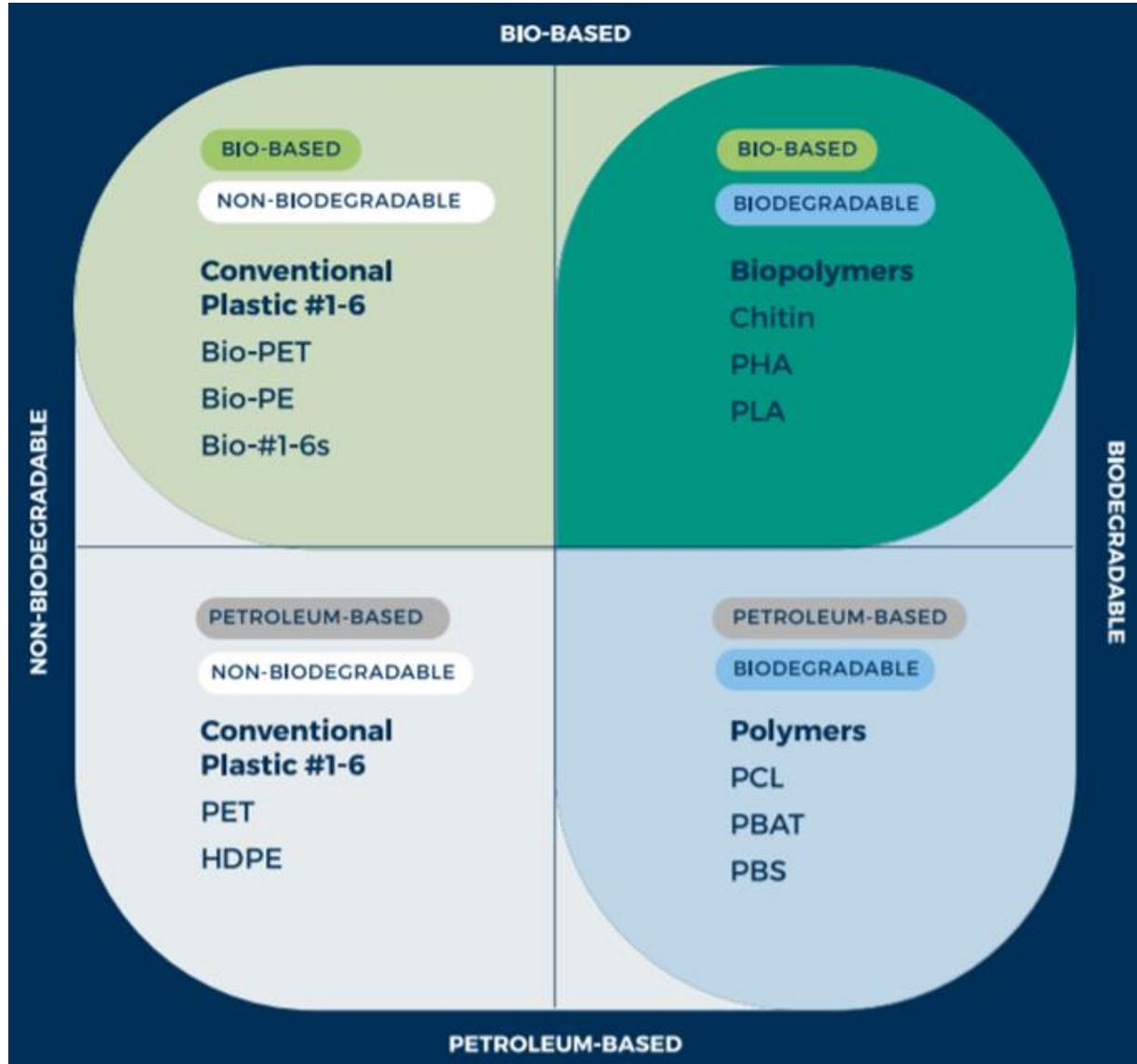
**BIOPLASTIC =**

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1) Bio-based  
feedstocks

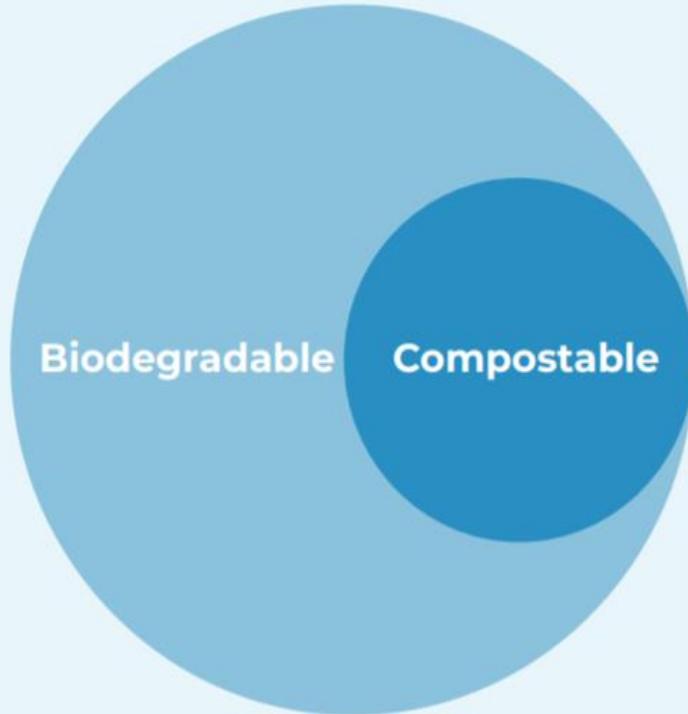
2) Biodegradable  
at end-of-life

# Interrelationship of Bio-Based and Biodegradable



# Complex End-of-Life

Biodegradable vs.  
Compostable



● **Biodegradable**

- + Will break down into gases (CO<sub>2</sub>), water, residue and biomass
- Can leave microplastics

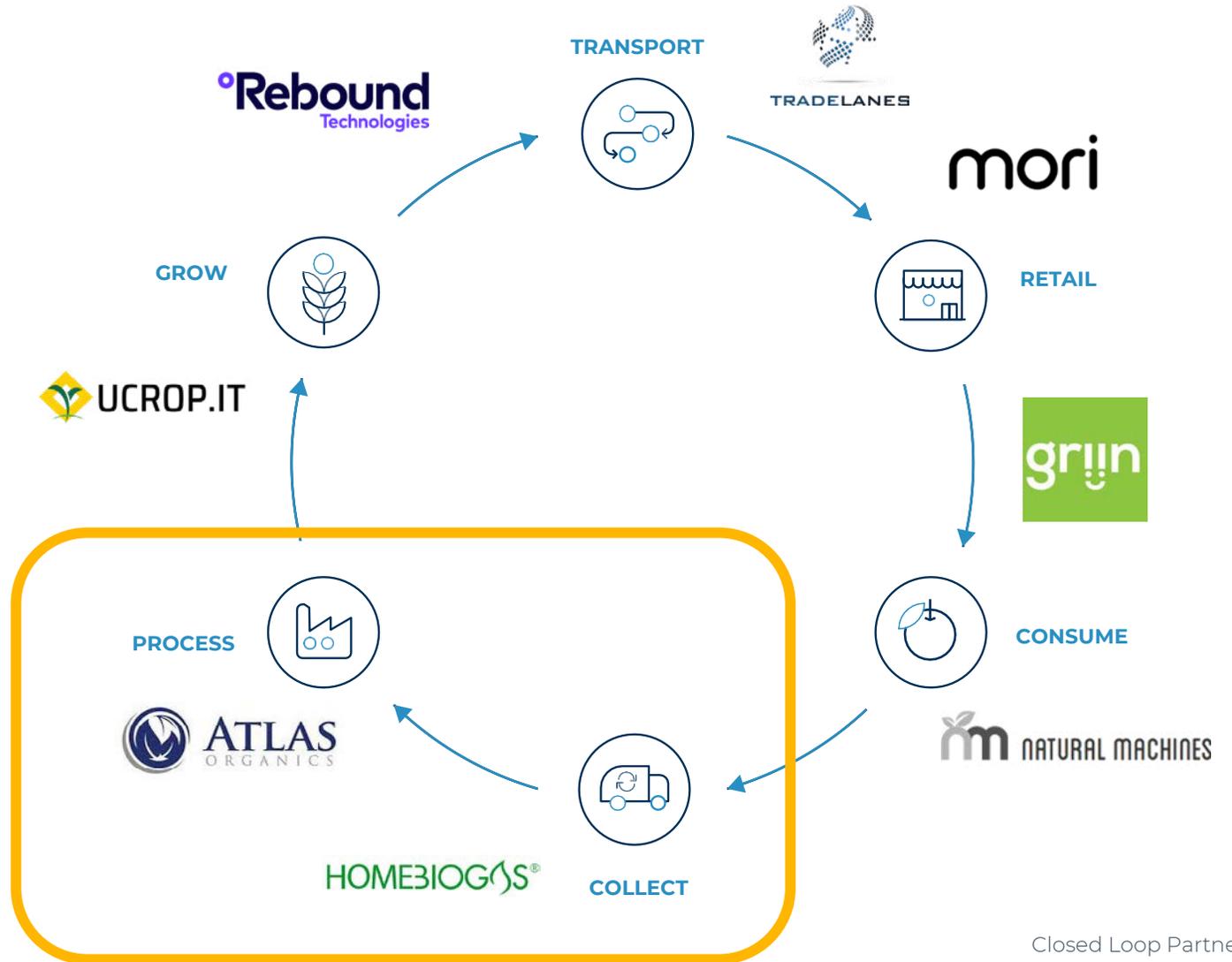
● **Compostable**

- + Will break down within a specified time frame and into non-toxic materials
- + Will add value to the planet's ecosystem through nutrient-rich materials

# Sector Spotlight: Food & Agriculture

The Closed Loop Ventures Group invests in companies across the food and agriculture sector, strengthening every stage of the value chain.

5  
Investments  
25%+  
Portfolio



# Key Takeaways from Navigating Plastic Alternatives

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**Reduce  
Contamination  
Through  
Labelling**

**Drive Value To  
Recycling  
*and*  
Composting  
Systems**

**Avoid  
Externalities  
Through  
Testing**

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# Thank You

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