



**NextCycle**  
POWERED BY RRS

# Accelerating Solutions to Grow the Circular Economy

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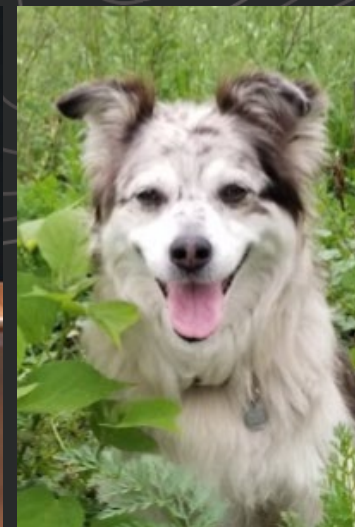


RRS  | recycle.com

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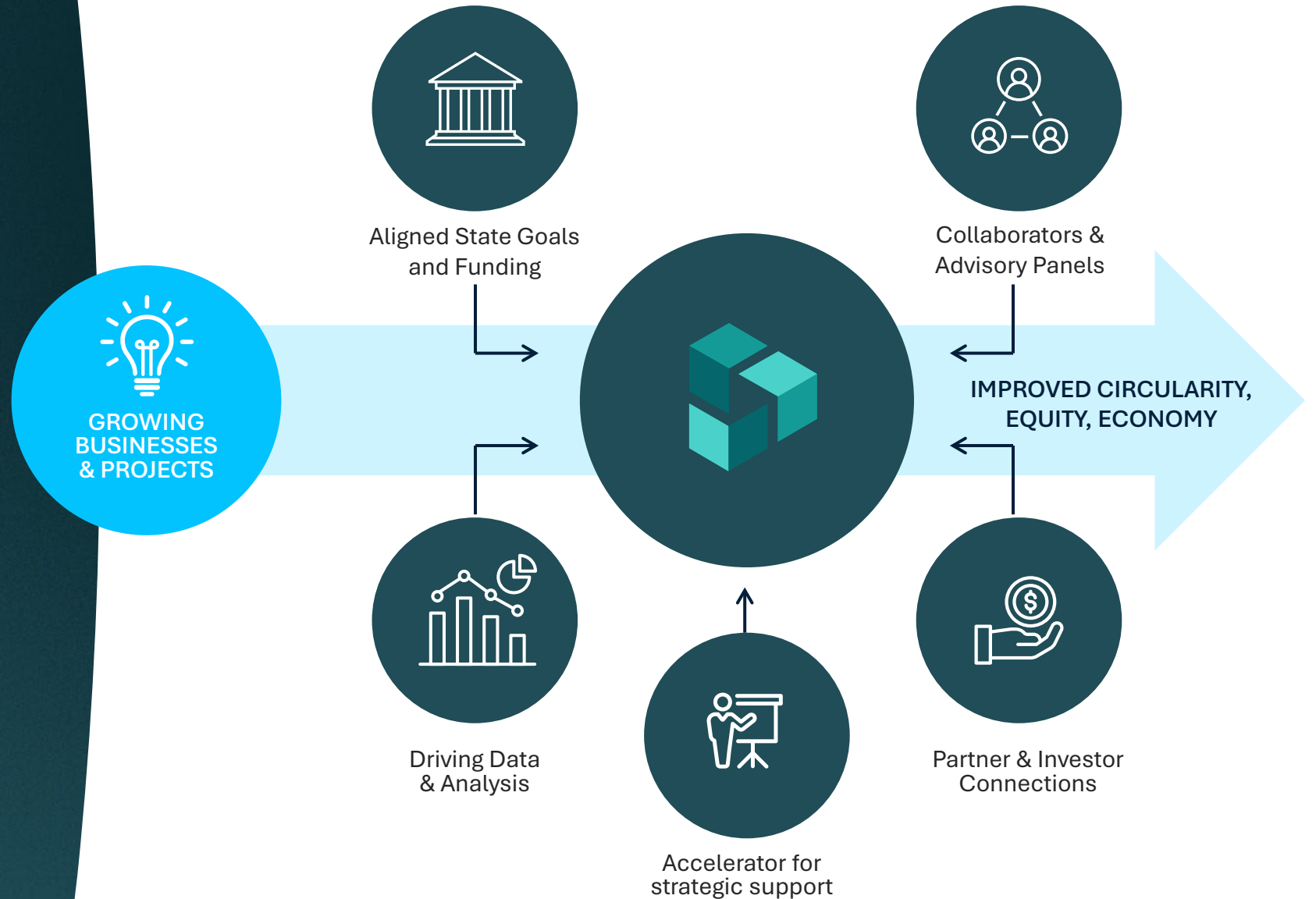
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# What is NextCycle?

NextCycle is a **circular economy accelerator** that advances innovative business models preventing, reusing, rescuing, repairing, recycling, composting, and recovering materials that would otherwise be landfilled or incinerated.



# The NextCycle model



# The NextCycle Accelerator



Industry Specific Business  
and Technical Support



Mission Focused Pitch  
Development



Funding Pathway Identification  
and Matchmaking

# NextCycle adapted for state and regional needs

**35%** Diversion Goal by 2026,  
45% by 2036

**1** Tracks | **6** Cohorts | **42** Teams supported

**Colorado** Est. 2019



**45%** Recycling Rate goal,  
30% by 2025

**6** Tracks | **17** Cohorts | **187** Teams supported

**Michigan** Est. 2020



**~70%** Landfill Diversion as part  
of Zero Waste goals

**2** Tracks | **6** cohorts | **42** Teams supported

**Washington** Est. 2022



Focus on **sustainable packaging**  
with a mission to eliminate  
packaging waste

**1** Tracks | **1** cohorts | **7** Teams supported

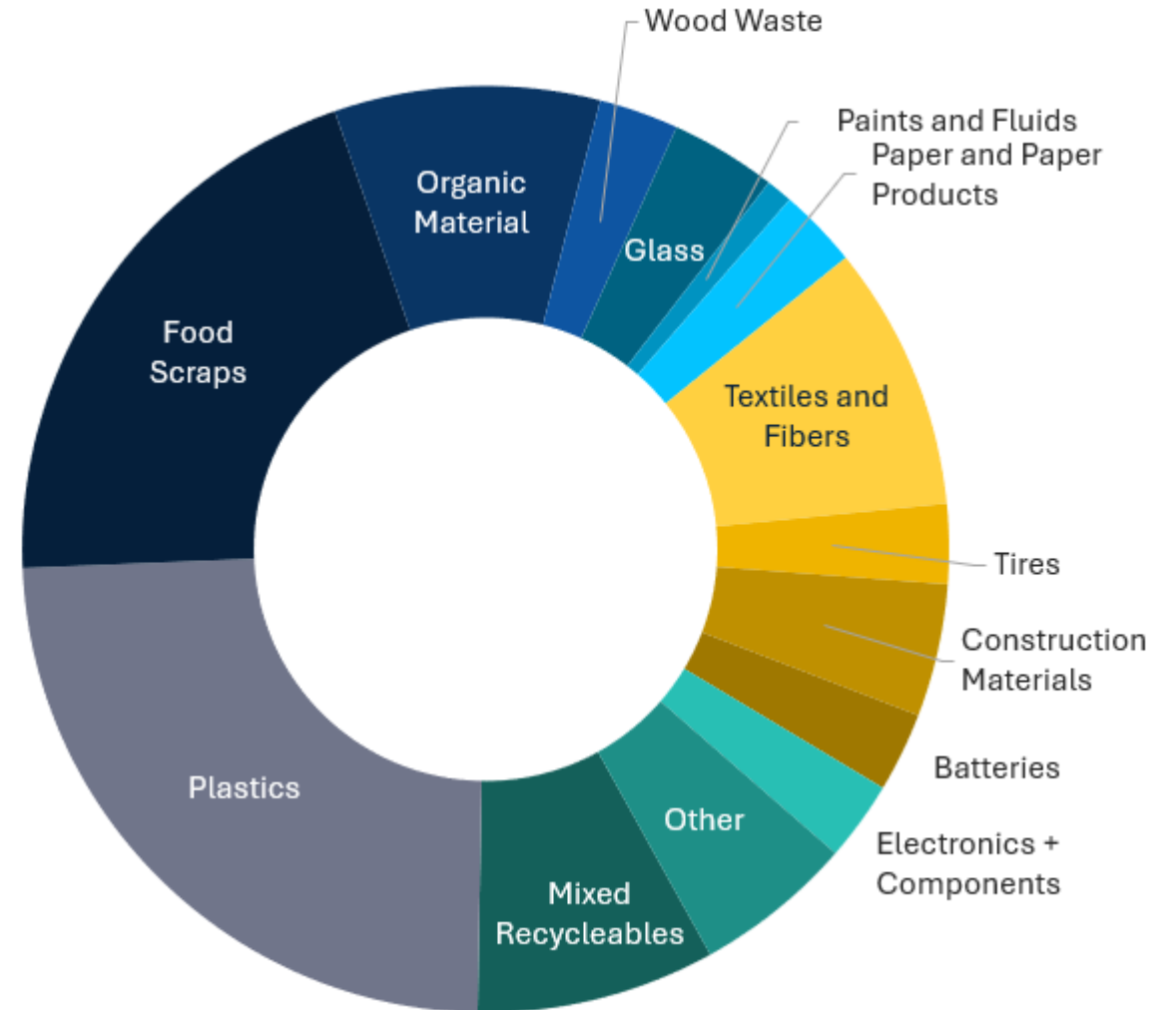
**SHAPE: MI/OH** Est. 2025



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# Material Streams Addressed Through NextCycle Team Projects

Range in impact to Collection, Processing, End Markets, Education, Reuse and other targeted gaps.





# Addressing Organics Across the Supply Chain



## Rescue



## Collection



## Compost



## Anaerobic Digestion



## Markets & Products





# Metro Food Rescue

West Bloomfield, MI

Metro Food Rescue, a 2022 NextCycle Michigan team, picks up fresh foods and staples that would otherwise be destined for landfills and delivers to local food pantries and community kitchens. In 2022, Metro Food Rescue saved 1.5 million meals worth of food from going to landfill.



Metro Food Rescue was recently awarded an EGLE Circular Economy Grant for \$250,000 to establish a Detroit Produce Terminal to transform how surplus food is managed and utilized as either edible food or compostable material.



# Scrap Soils

Detroit, MI

Scrap Soils is an organics collections and compost program in Detroit. Scrap Soils is focused on connecting individuals and farms to each other and healthy compost. They will eventually expand the service area by connecting residents outside of metro Detroit to urban farms increasing their impact.

Showcase award winner, EGLE Organics Infrastructure grant, collaboration with Penny Pick up for robotic food scrap collection, and ongoing local scaling and collaborations



Biochar Capture Pack



Cultivated Algal bloom test system



Remaining water and pack

## Capture Tech

Capture Tech is utilizing modular natural fiber wrapped biochar filter substrates with bioremediating microbial inoculants to create easily deployable Biochar Capture Packs (BCPs) that work to remove nonpoint contaminants from waterways and repurpose them into restorative fertilizers and soil amendments.



Peoples Choice at the  
NextCycle Showcase



# Eastside Compost (Full Cycle Logistics)

Eastside compost collects food scraps and compostable material from residents in the Eastside neighborhoods of Lansing, MI. They established Full Cycle Logistics to provide **accessible** tools to enable circular economy haulers and processors to **efficiently manage** their **customers** and **operations**.



Pivoted during the NextCycle Accelerator to focus on Full Cycle Logistics and has scaled operations to service more of Lansing while providing a solution for the industry.



# Harvest Nano

Using cellulose from organic waste to develop a nanocellulose product with applications ranging from packaging, textiles, building materials, medical devices, aerospace components and other uses.



**Harvest Nano**  
Transforming Waste For A Better Future



# Perfect Circle

Grand Rapids, MI



Perfect Circle Recycling's turbo separator provides a unique ability to separate food from its packaging or from non-organic materials. Recently featured in MiBiz, PCR has diverted over 23,000 tons of food waste from the Kent County region and beyond.



Perfect Circle Recycling was awarded \$155,000 through EGLE's Circular Economy Grant Program to invest in equipment to supplement animal feed with milk that would otherwise be discarded.

# Solutions for Hemp Waste



## Hemp 4 Humanity

Waste hemp for sustainable building panels for affordable housing

## 9Fiber

Waste hemp made into fiber for commercial and industrial applications

## Viable Fibers

Waste hemp for textile grade fiber applications and byproducts for animal bedding

## Sana Packaging

Packaging for cannabis products made from hemp-based plastic

## Noble Polymers

Exploring hemp-based plastics

## BioChar Green

Start up for biochar bricks made from hemp waste



# Reuse Solutions



## Revino

Reuse for the wine industry with unique bottle design and logistic strategy



## Kadeya

Refillable, Reusable bottle vending machine with a focus on hydration



## Refugee Artisan Initiative

Textile and material reuse – even old firehoses – supporting women and refugees



# Infrastructure and Programs



## Iosco County

County-wide recycling drop-off program



## City of Holland

Comprehensive recycling and education center



## BizAid

Hub and Spoke collection network in rural Michigan

# Innovative Solutions



## Glacier

AI-enabled robotic sorting equipment



## Design Declassified

Panels made from 100% recycled plastics



## ReCharge Recycling

Electric Vehicle battery recovery and recycling



# Unique Material Solutions



## FoamCycle

Styrofoam collection and recovery network



## NexTiles

Waste textiles for insulation and auto-applications in Detroit



## Vitriform 3D

Using Recycled glass for engineered stone





# NextCycle

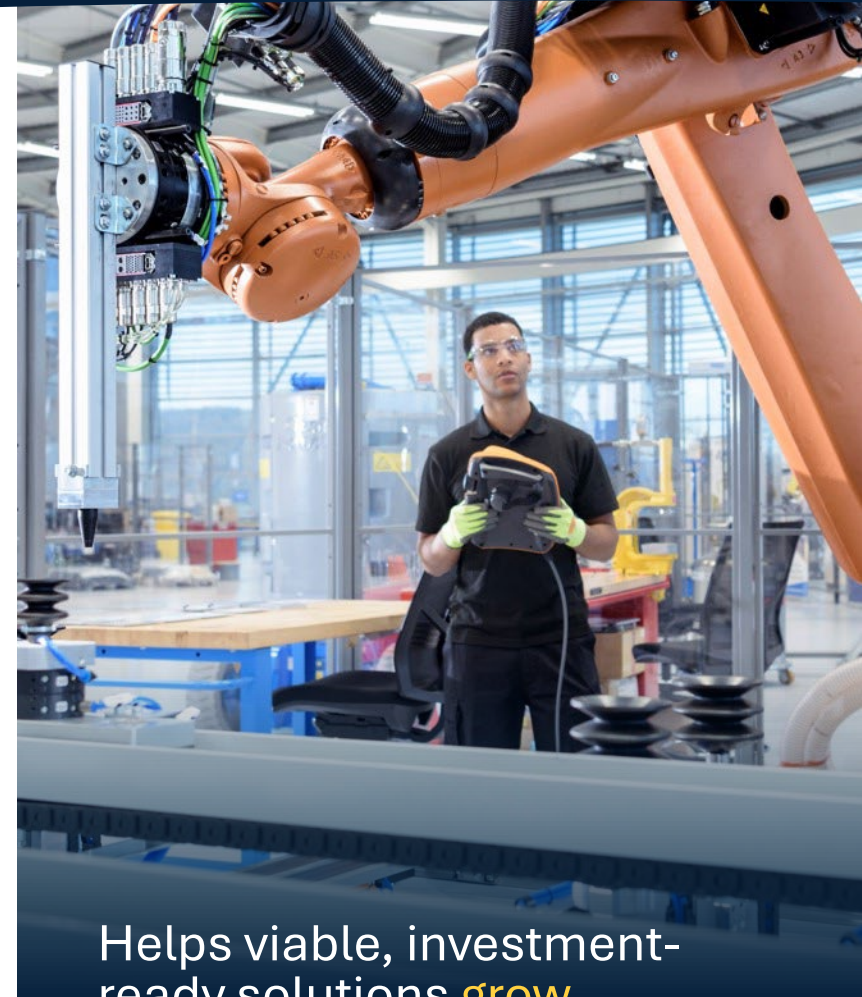
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Brings and attracts  
partners, collaborators,  
and investors.



Adaptable model to accelerate  
solutions filling gaps to **build**  
a circular economy.



Helps viable, investment-  
ready solutions **grow**  
and thrive.





# Drive your local **circular** **economy.**

Design a NextCycle  
program for Illinois or your  
region.