



## Stephen Myers

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## Overview

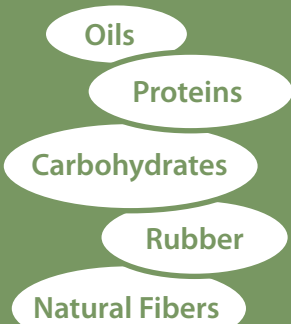
- Located at The Ohio State University, OBIC is a unique alliance established in 2005 by a \$11.5 million grant from the Third Frontier Program.
- As a major manufacturing state, Ohio is a significant user of energy and materials. Ohio farmers and agribusiness can produce and convert biomass to supply major portions of this material demand as a substitute for petroleum. To enhance Ohio's position as a leader in bioproducts innovation, OBIC fosters discovery and use of new technologies via a market needs model, thereby accelerating bioproducts commercialization.



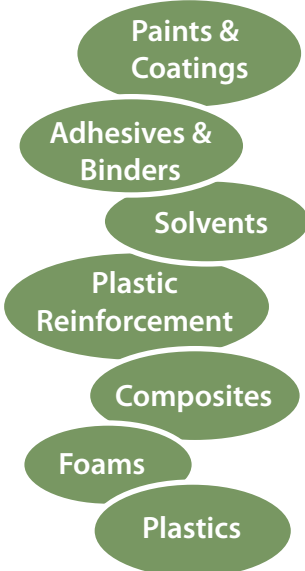
## OBIC's Key Initiatives:

- Targeting investments to enhance research capabilities
- Fostering innovation through academic/industry networks
- Linking research to address industry needs

## BioMaterials



## Applications



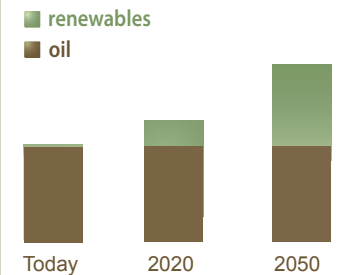
## Why BioProducts?

- Oil, as the predominant source of polymers, is ever-increasing in global demand, yet uncertain in supply & volatile in cost. Deriving materials from agriculture could serve as a domestic alternative to oil.
- Renewable biopolymers are important sources of innovation

*(NE Ohio Polymer Strategic Roadmap, Battelle, 2004)*

### Global Material Demand

Projected by Dept. of Energy



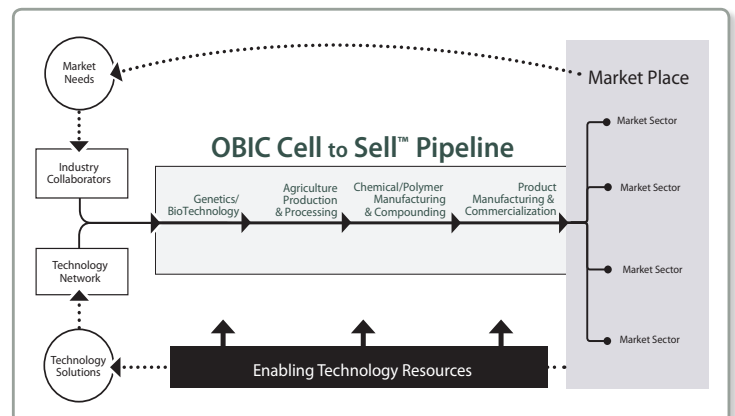
## Ohio's Strategic Assets

- Top 2 industries of polymers & agriculture
- Supply chain & logistics in place
- Strong research capabilities
- Natural resources & location



## Cell to Sell™

- OBIC provides value to industry partners through a market-pull business model designed to link technology & product development for the commercialization of bioproducts.

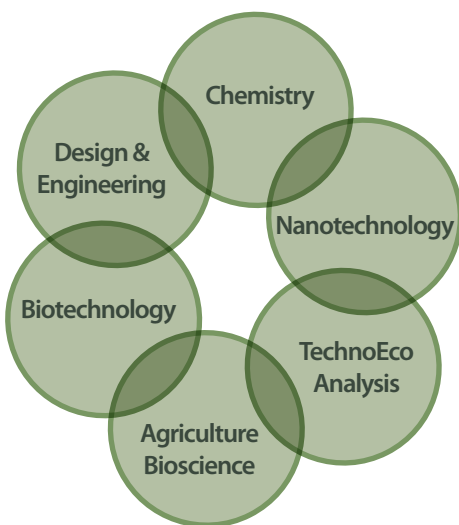


# Ohio's Supply Chain Network Will Accelerate The Biobased Economy

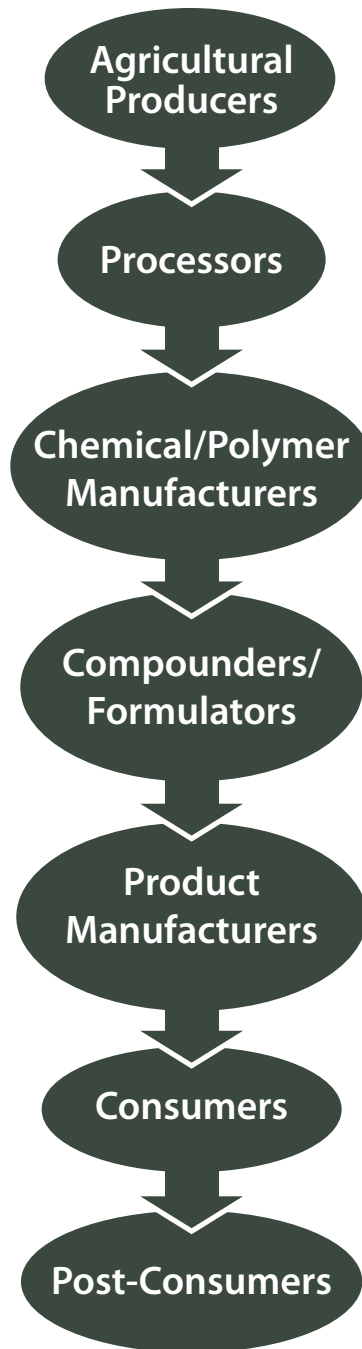
## Research Collaborators

- Battelle
- CMPND
- OSU OARDC & Extension
- The Ohio Plant Biotechnology Consortium
- The Ohio State University
- University of Akron Applied Polymer Research Center
- USDA Agricultural Research Service
- U.S. Dept of Energy National Labs

## Technology Assets



## Ohio's Comprehensive Supply Chain



## Industry Collaborators

- ADM
- Ashland
- The Andersons
- Cargill
- Cooper Tire
- Goodyear
- Hexion Specialty Chemicals
- Natural Fiber Composites Corp
- Owens Corning
- Proctor & Gamble
- PolyOne Corporation
- Sherwin Williams
- The Scotts Company

## Associations

- Ohio AgriBusiness Association
- Ohio Corn Growers Association
- Ohio Dept of Agriculture
- Ohio Farm Bureau Federation
- Ohio Polymer Strategy Council
- Ohio Seed Improvement Association
- Ohio Soybean Council
- PolymerOhio, Inc.

