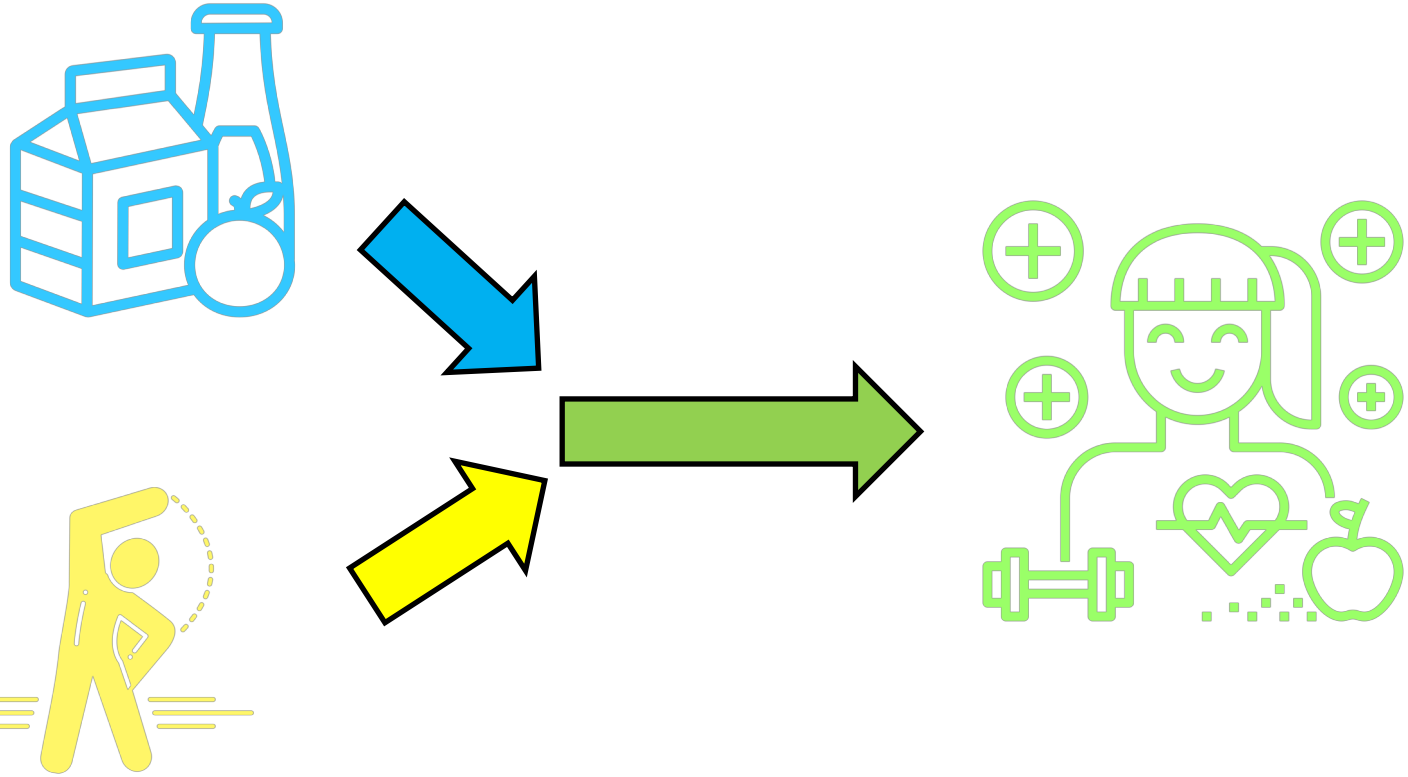
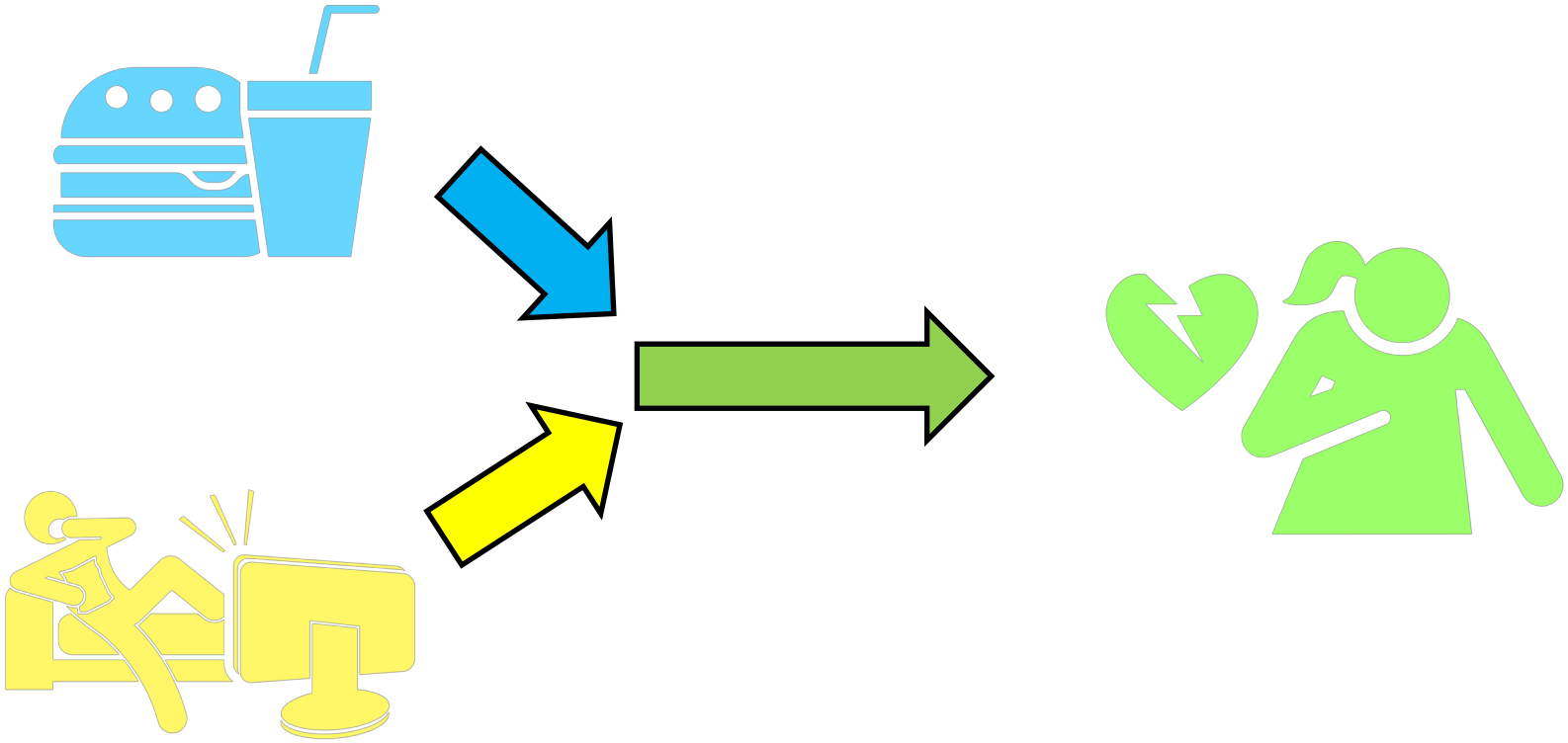
FFAR Tipping Points: Understanding Food Systems to Enhance Impacts

FFAR



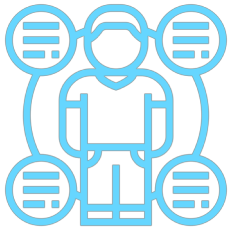


LEVERAGE POINTS

ACCESS

AFFORDABILITY

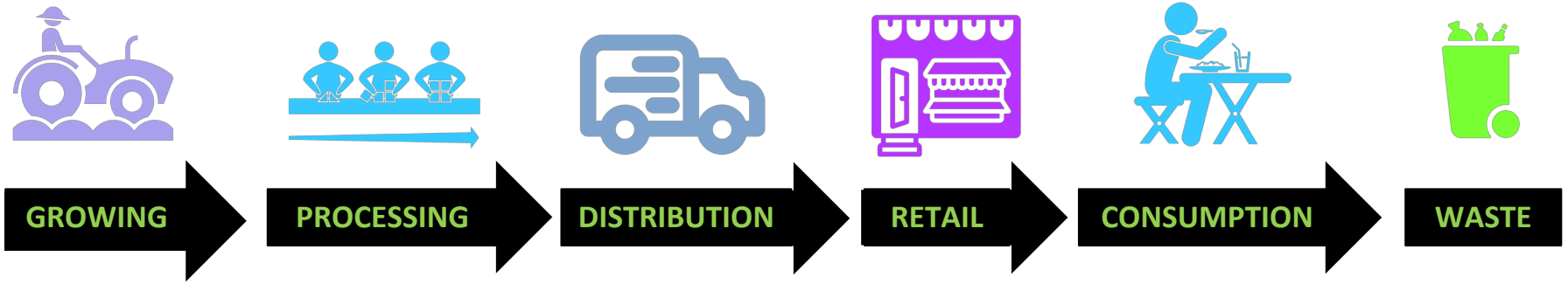
PRODUCTION



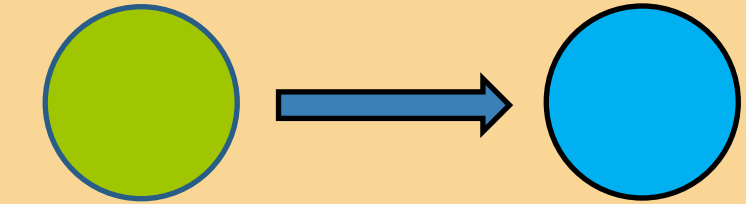
BEHAVIOR

FFAR

FOOD SYSTEM


GROWING
PROCESSING
DISTRIBUTION
RETAIL
CONSUMPTION
WASTE

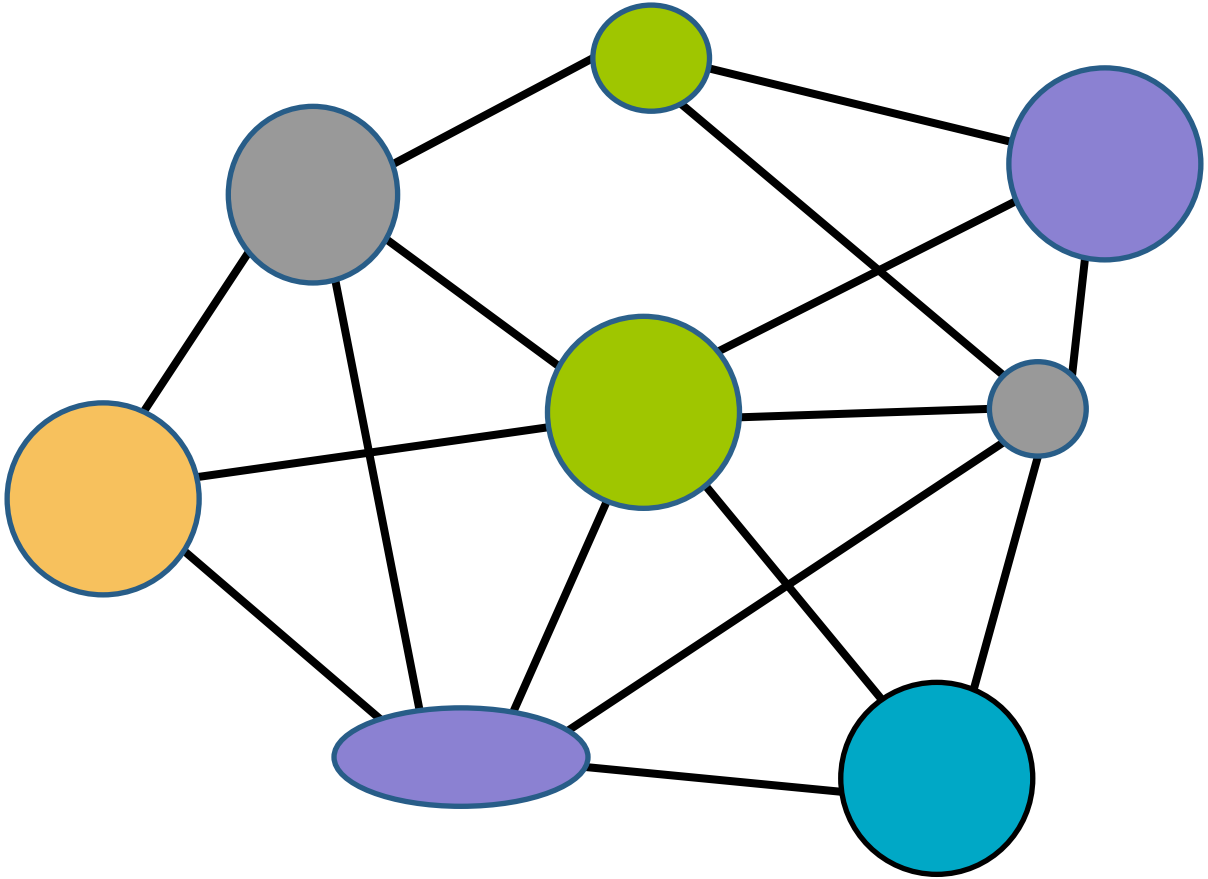
TARGET



REALITY

FFAR

FOOD SYSTEMS ARE COMPLEX

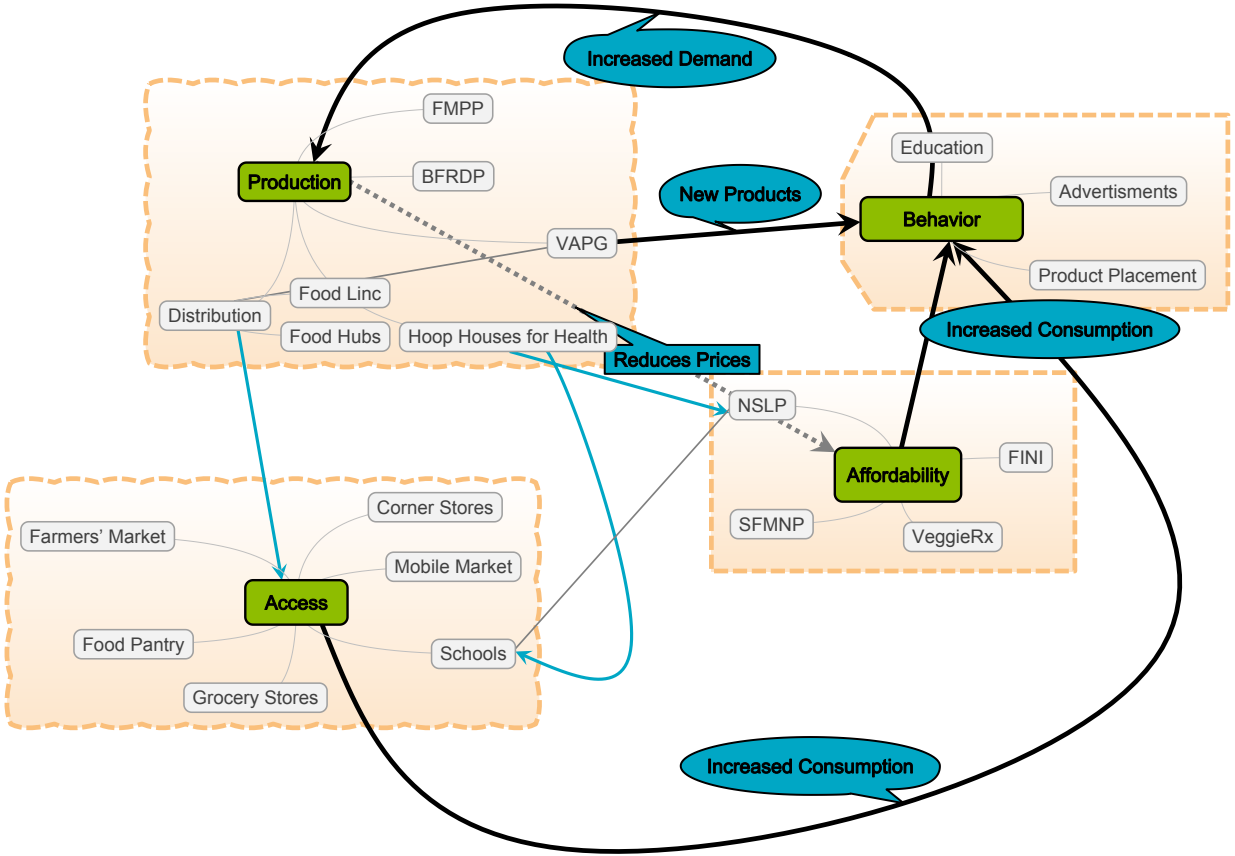


FFAR

Food Systems Transformations that Lead to Positive Health Outcomes and Increase Economic Opportunities Within a Community

FFAR PILOT PROGRAM: TIPPING POINTS

Determining Leverage Points for Impact



FFAR

Dynamic Models for Complex Problems

We want to understand how the food system works and determine the most promising areas to target for change that leads to greater health and well-being

FFAR

PILOT PROGRAM: TIPPING POINTS

Program Elements

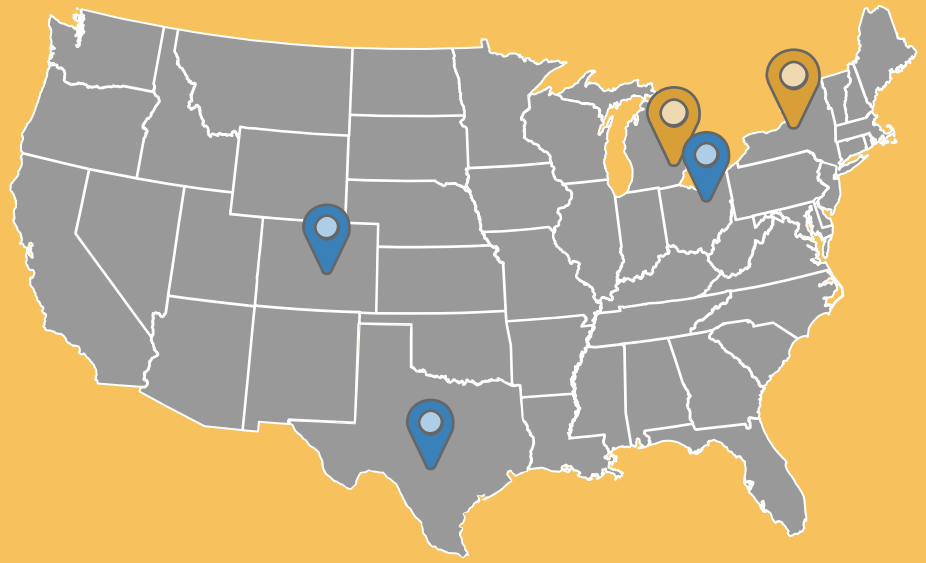
- Leverage efforts on the ground
  - Multiple Organizations
  - Multiple Interventions
- Collect and Analyze Data
  - Existing Data
  - Existing Efforts
  - New data
- Modeling
  - Systems Dynamic, ABM
  - Multiple Models

PROGRAM STATISTICS

- **FUNDED IN 2018**
- **FFAR INVESTMENT: >$4.3M**
- **PROGRAM INVESTMENT: >$8.5M**
- **FIVE GRANTEES SELECTED**

FFAR

Tipping Points: Communities



Each selected region will receive 1/4th of the program budget

Identifying Leverage Points for Transformation in Urban Food Systems

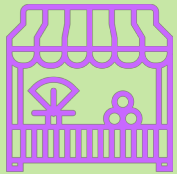
Steven Gray: Flint, MI

Barriers to healthy food access and better community nutrition

Interventions that shift the system towards better food access and nutritional outcomes

MODELS

AGENT-BASED MODEL



ACCESS

TRANSPORTATION

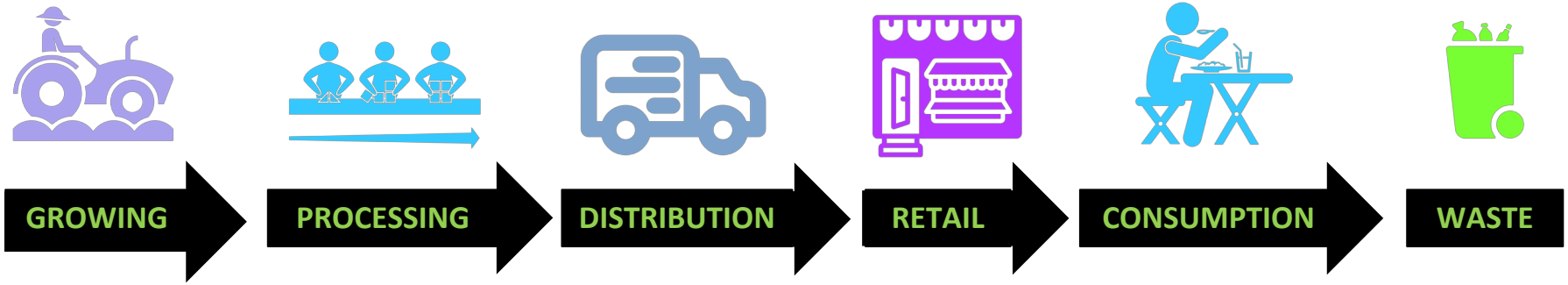
PURCHASING

SYSTEM DYNAMIC MODEL

- Participatory Modeling

FFAR

Food System


GROWING
PROCESSING
DISTRIBUTION
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CONSUMPTION
WASTE

Modeling the Future of Food in Your Neighborhood

Darcy Freedman: Cleveland, OH

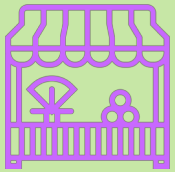
Development of computational tools to offer a systems lens to guide future sustainable and local food system change.

Research aimed at increasing knowledge of the interconnectedness of the existing food environment, food system strategies, and impacts on residents and their neighborhoods

****Leverages >$20M of current investments**

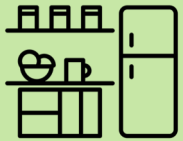
MODEL

System Dynamic Models



ACCESS

EDUCATION

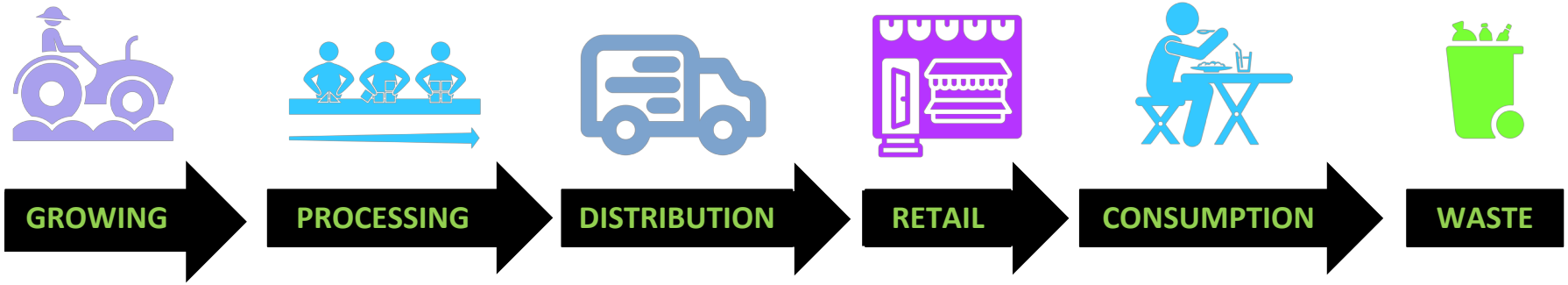


EMERGENCY ASSISTANCE

INCENTIVES

FFAR

Food System


GROWING
PROCESSING
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CONSUMPTION
WASTE

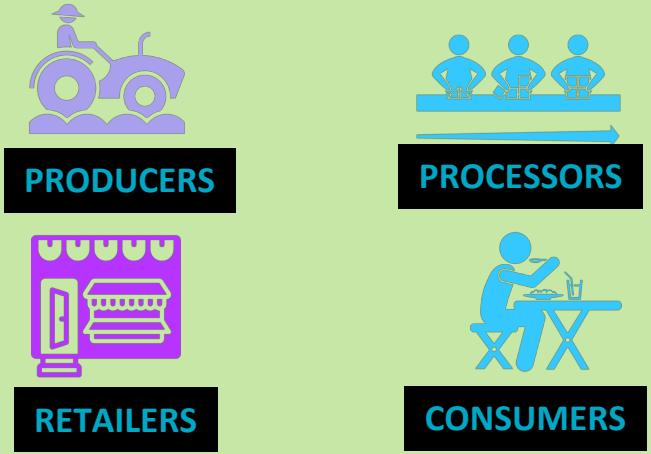
Integrating Community and Modeling Efforts to Evaluate Impacts and Tradeoffs of Food System Interventions

Becca Jablonski: Denver, CO

Opportunities and barriers to developing food policies that support urban food goals as well as rural economic development

MODELS

AGENT-BASED MODEL

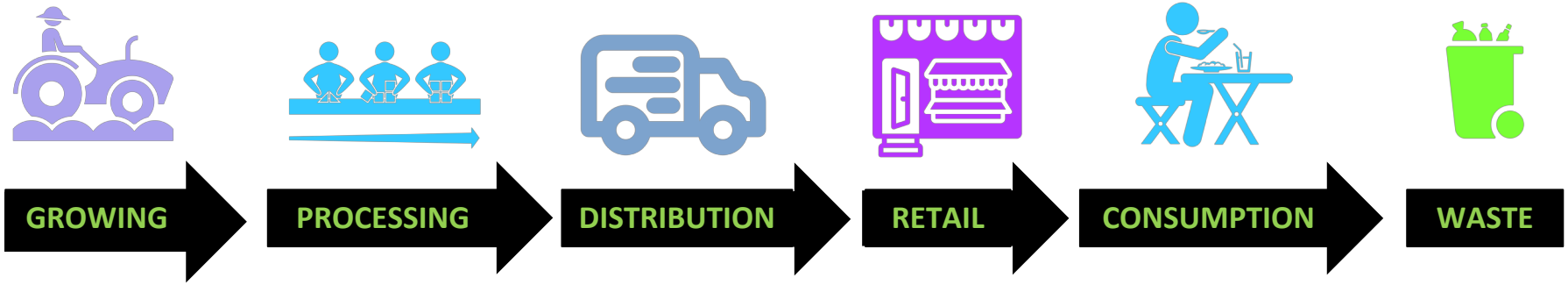


OBJECT MODELING

**Leverages >$5.9M in Community and Regional Investments

FFAR

Food System


GROWING
PROCESSING
DISTRIBUTION
RETAIL
CONSUMPTION
WASTE

Evaluating Food Access Strategies in Austin

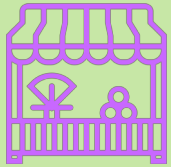
Joy Casnovsky: Austin, TX

What is the influence of different environmental factors on access?

- Geography
- Economic
- Transport

MODEL

AGENT-BASED MODEL

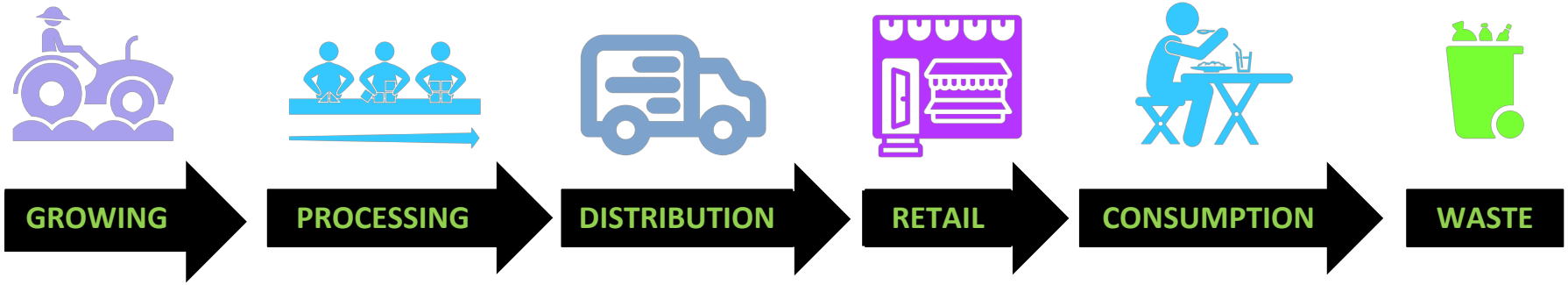


ACCESS

INCENTIVES

FFAR

Food System


GROWING
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RETAIL
CONSUMPTION
WASTE

Environmental and Nutritional Benefits of Food Recovery and Redistribution

Beth Feingold: Albany, NY

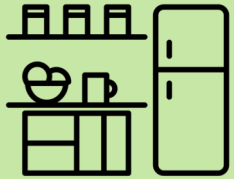
Interventions that shift the system towards better food access and nutritional outcomes

- **Inefficiencies in the system**
- **State tax initiatives for food recovery**
- **Donations inhibited by food safety regulations**

MODEL

LCA

RECOVERY & REDISTRIBUTION



EMERGENCY ASSISTANCE

FFAR

Q&A

THANK YOU

How to reach FFAR

jreich@foundationfar.org

Connect with FFAR

foundationfar.org

@FoundationFar
@RockTalking

FFAR