# CO-FARM: Community Food Assessment & Resiliency Model



### **Project Purpose:**

To develop a research framework outlining the variables of a **self-sustaining**, **localized food system**, so future formalized plans can be created. The project designed framework for community resiliency that incorporates a locally-owned food system to ensure:

- food security
- nutrition for all
- sustainability
- economic stability

This project will be a dynamic blueprint/tool

Community Food Assessment and Resiliency

Model (COFARM).

It will map the proposed features of a future tool that empowers communities to plan, construct, and control their food system from cultivation to consumer.

# COLORADO BLUEPRINT TO END HUNGER

# **Objectives:**

Develop a Comprehensive Research Framework for the foundation for CO-FARM.

- Define key research areas, methodologies, and stakeholders
- Assemble literature review that assesses what is happening locally and nationally to create a roadmap.
- Tool Outline: What will the tool do?
- Proposed features, functionality, and intended users.
- Future Recommendations: Propose next steps, a timeline, estimated costs and resources needed for development.



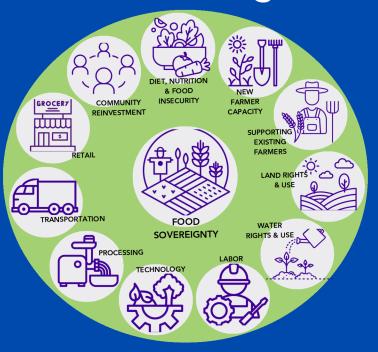
**Background:** The Colorado Blueprint to End Hunger is a collective impact organization backed by the Colorado Health Foundation focused on ending hunger in Colorado. Blueprint's collective:

- local government agencies
- non-profits
- farmers
- · anti-hunger advocates

The Blueprint collaborates to organize & align actions to champion systematic change to serve people at the community level.

1 in 10 Coloradans are food insecure 6 out of 10 people in Colorado are eligible for SNAP, but not enrolled

# Research Categories



### Policy Recommendations:\*

- Land Stewardship:
  - Stop giving away public lands for conversion
  - Uphold Native American treaty rights, retroactively restore those that were trespassed
- Equitable Market Access:
  - Eliminate grocery monopolies
  - Tax benefits for: energy-efficient processing, regenerative practices, landowners leasing to independent grocers
  - Federal commitment to ethical procurement
- Federal Investment:
  - H2A policy revision allowing for multiple employers, pathway to citizenship
  - Redirect investment in the Farm Bill
  - Enshrine rights to land, food, housing

\*These lists of recommendations are not exhaustive. The full report includes 50+ policy and 40+ research recommendations.

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# Methods

### Research Framework:

- Literature Review
  - 120 sources
  - 12 categories
- Stakeholder outreach
  - 48 stakeholders contacted
  - 26 interviews total
- Thematic Analysis

### Tool Analysis:

- Research existing tools
  - 16 tools researched
- Stakeholder outreach
  - 5 stakeholder interviews
- Features Analysis

### **Tool Recommendations Framework:**

- Scale
  - Size & density of region
  - Amount of data, server size needed
  - Cost of development, testing & maintenance
- Governance
  - Collaboration with other tool owners
  - Data security
  - Inclusive representation and engagement
- Customization
  - Secure user accounts for traceability
  - Language options

### Future Research Recommendations:\*

- · Community Integration
  - How do University Extensions programs support farmers?
  - Are there proven strategies for acceptance of migrant farm employees?
  - How accessible is fresh/healthy food throughout Colorado?
- Agricultural Access
  - Is the Universal Basic Food utility feasible?
  - Is possible to integrate a caloric density calculator?
  - Are new transportation methods available?
  - How can agrivoltaics be adopted on a wider scale?
- Resource Allocation
  - What are the reinvestment priorities for Colorado communities?
  - How can climate modeling data be used to predict crop yields?
  - How can distribution hubs be leveraged effectively?

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