

CALL FOR PARTICIPATION

A NEUTRAL CONVENING PLATFORM

AI-for-Food Collective

Leveraging food systems and AI to enhance food security
and national security.

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ASU W.P. Carey
School of Business
Arizona State University
NASPO Department of Supply Chain Management

AI can **transform** food security

Regenerative data
center campuses

Drought-resilient crop
development

Supply chain
optimization

Food system
innovation

Essential to solving yield challenges — and keeping farming a **viable business** for small and large producers alike.

Agriculture and data centers **must co-exist**

Protecting our **food security** and **national security** means cooperatively managing the resources both depend on.

- At the community level, **energy, water, land, and rural infrastructure** must serve the needs of both.
- The goal is **symbiosis**, not resource competition.

Two goals

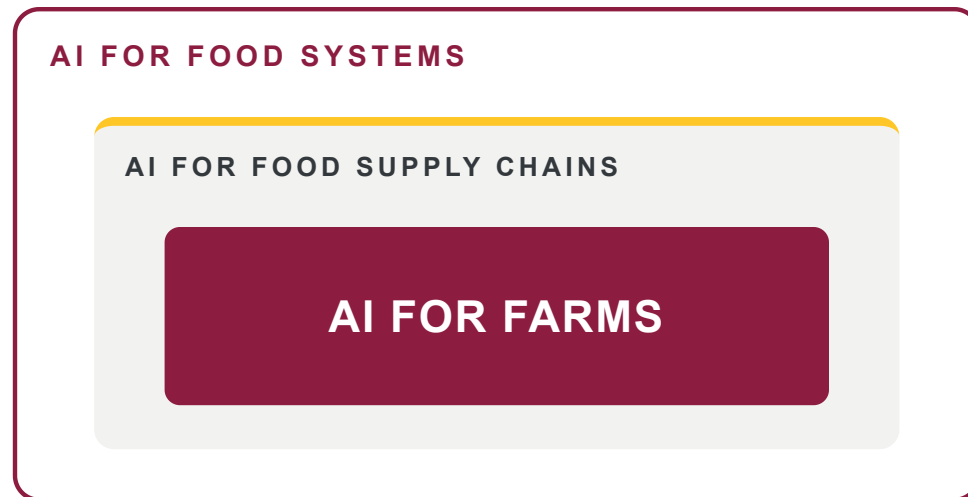
GOAL 01 · AI FOR FOOD SECURITY

Demonstrate **AI** to improve food security
— AI for farms, food supply chains, and
food systems.

GOAL 02 · SYMBIOSIS

Seek **symbiosis** between data centers,
agricultural communities, and farmers —
through circularity and co-development.

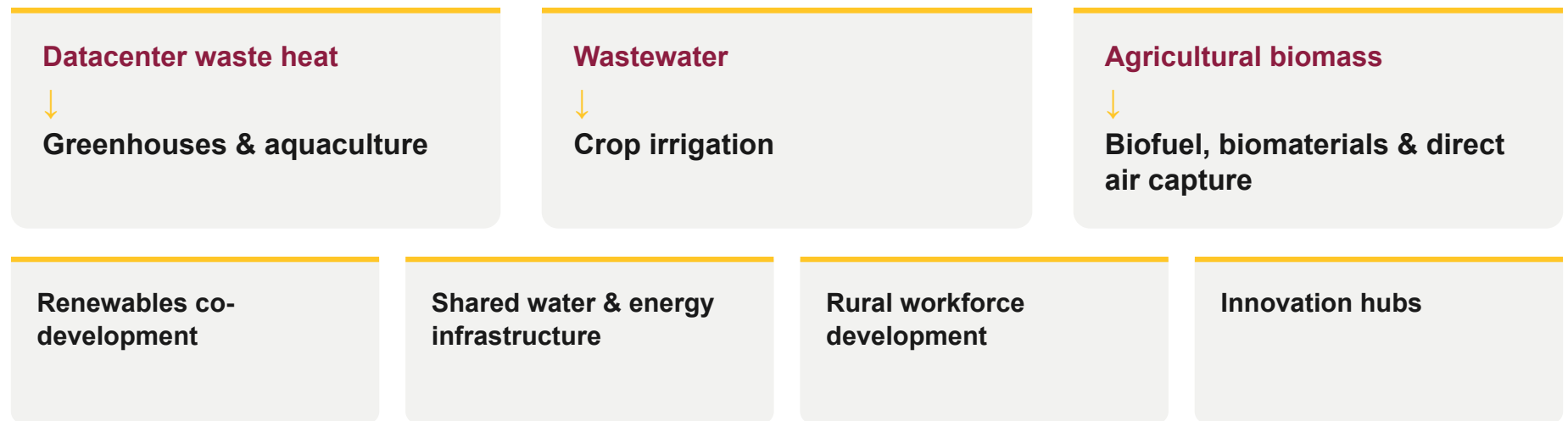
Food systems



- **Farms**
Yield, inputs, irrigation, soil and crop decisions in the field.
- **Food supply chains**
Logistics, storage, demand forecasting, loss and waste reduction.
- **Food systems**
Markets, policy, nutrition, land, water and rural economies across regions.

Each scope contains the one before it — field-level gains only hold if the system around them holds.

Turn waste into **symbiosis** and build it **together**



Circular flows create **symbiosis rather than resource competition** — shared infrastructure turns **neighbors into partners**.

An interdisciplinary **bridge**

Academia

IT & food
companies +
supply chains

Farmers &
agricultural
communities

NGOs

Government

Providing **objective scientific support** and fair, effective stakeholder engagement.

A **neutral** convening platform

Identifying pathways for mutually beneficial development of AI and food systems — while advancing:

Sustainability

Rural economic development

Resource stewardship

GET INVOLVED

JOIN US

Join the Collective

We welcome a discussion with stakeholders to refine the goals and scope research projects for maximum impact.

To engage or join, contact kevin.dooley@asu.edu

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