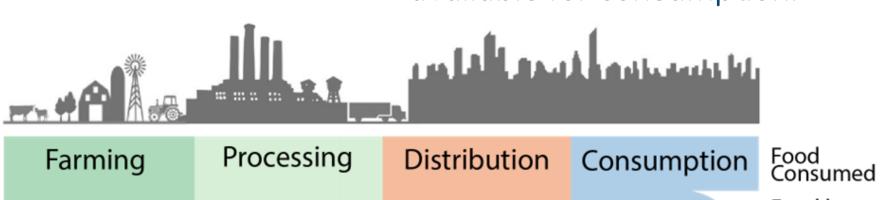
NSF Grant #2115405

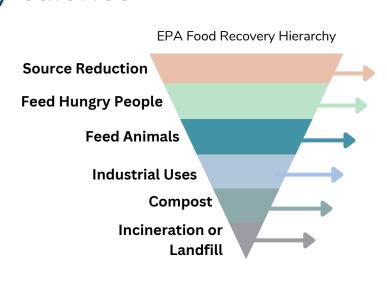
THE PROBLEM

40% of food produced is never eaten, resulting in lost resources and pollution, economic costs, and decreased food security.

U.S. consumers waste an average of 1 pound of food per person per day. That's nearly 1,250 calories, about 30% of daily calories available for consumption.



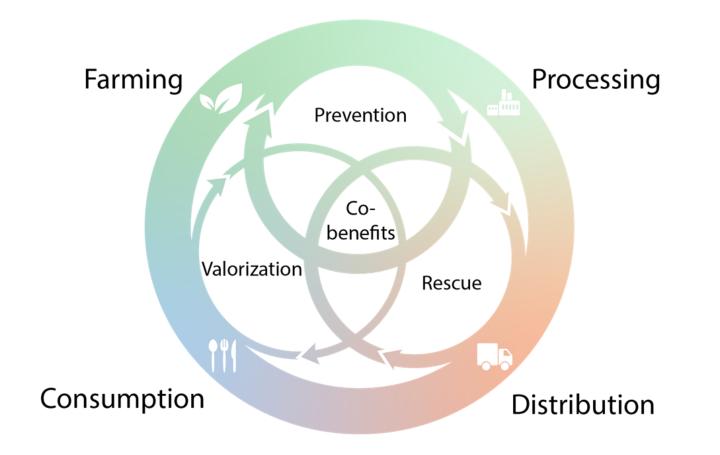
Food lost and wasted



OUR GOAL

with Partnership and Education Synergies

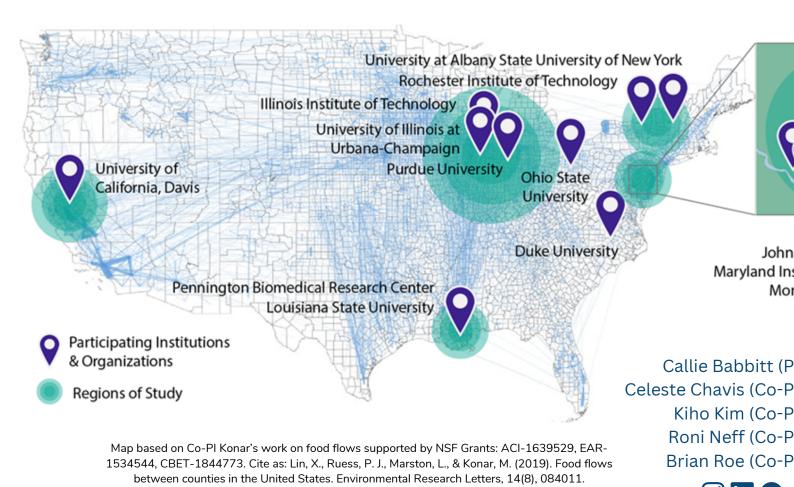
Create knowledge to transform wasteful food systems to promote sustainability, equity, and resilience.



OUR RESEARCH NETWORK

Transforming wasted food:

- Partnerships to prevent waste
- Diverting high-quality surplus to food-insecure communities
- Recycling residual carbon and nutrients back into agricultural production
- Converting waste into bioenergy that powers regional infrastructure.





American Universit Johns Hopkins University

@WastedFoodNTWK

GUIDING PRINCIPLES & COMMUNITY NORMS



PUTTING PEOPLE FIRST



EQUAL ACCESS AND

ACTIONS ARE GREATER

THAN STATEMENTS

RESTORATIVE.

NOT PUNITIVE



OPENNESS AND

TRANSPARENCY

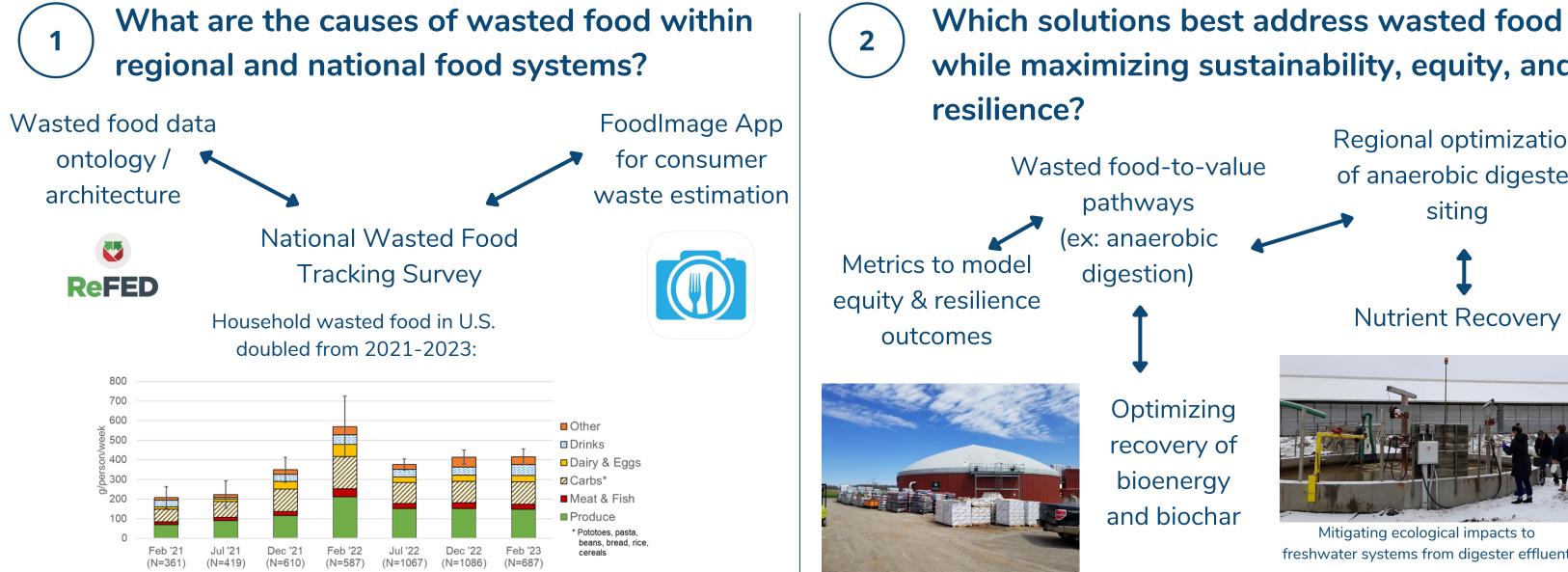
REGENERATIVE, **NOT EXTRACTIVE**

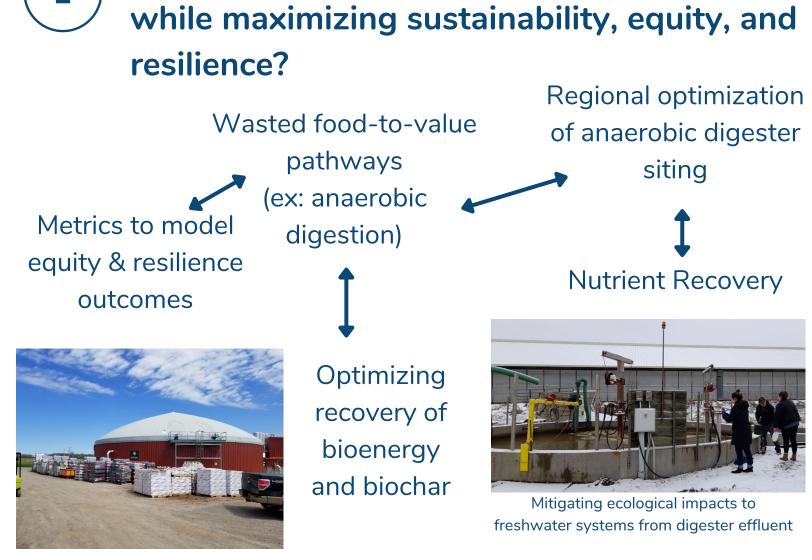
GUIDING PRINCIPLES are based on our values, what we believe in and what is important to us. They are high level, inspirational and aspirational directions that inform our actions, decisions, and products.

COMMUNITY NORMS are how we put the Guiding Principles into action. They are specific and action oriented, meant to influence the day to day interaction. We can think of them as the equivalent to a Code of Conduct.

CONVERGENT RESEARCH

Examples from over 25 collaborative projects





Convergence: Ecology, Resilience, Chemistry, Engineering, Transportation Modeling, Business

How do academics, workers, farmers, nonprofits, communities, firms, and regulators work together to create research about wasted food?

Connected with 50+ external organizations: non-profits, government agencies, and

corporations.

first cohort 2024 **Albertsons**

Fresh Rescue Fellowship Program



Direct engagement of

Frontline Associates,

Convergence: Public health, Anthropology, Social design, Education, Firms, Community partners

TRAINING THE NEXT GENERATION SUSTAINABILITY WORKFORCE

We are developing "Wasted Food 101" - a multi-disciplinary, generaleducation course on wasted food and the food system. This 15-week course covers (1) how the food system works; (2) where and how food is wasted; (3) how different communities experience and are impacted by wasted food, and (4) solutions to reduce wasted food.



The course will be taught at American University beginning in Fall 2023.



We established Food-Fueled, a peer-reviewed, online-only, open access journal managed by undergraduates. Students learn to evaluate claims, apply scientific knowledge, and learn about the peer review process.

Submissions also accepted from high schools and students outside RECIPES. The first issue covers local composting policies, urban gardening, food deserts, and more, and will be published digitally in August 2023.

CREATING A CULTURE OF DIVERSITY, EQUITY, & INCLUSION

Convergence: Economics, Machine Learning, Agriculture,

Engineering, Nutrition, Behavioral Science

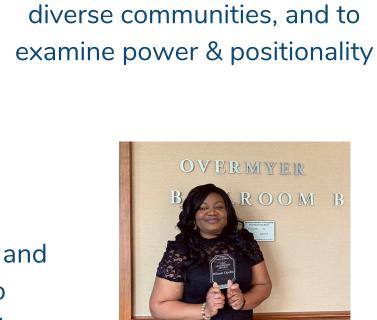
Partnership with Black in Engineering to engage early career Black faculty scholars in collaborations aimed at supporting research and professional development



Hannah DeFelice, (RIT student) presented research on household composting at the National Technical Institute of the Deaf Research Symposium

BLACKIN ENGINEERING

Research immersions for deaf and hard of hearing students to develop research skills and increase interest in STEM research, degrees, and careers.



Network-wide assessment of

structure & procedures to

promote DEI, to engage with

Winnie Opoku (OSU PhD student) was awarded the Ohio State GRA Leadership Award for her work on RECIPES DEI efforts with Dr. Monica Cox.

PRODUCTS & OUTPUTS



Southern Cooperatives/Land Assistance Fund (FSC/LAF), and the Berkeley Food Institute

Cooking and Food Skills Interventions

Assessing the Use of Social Cognitive Theory Components in



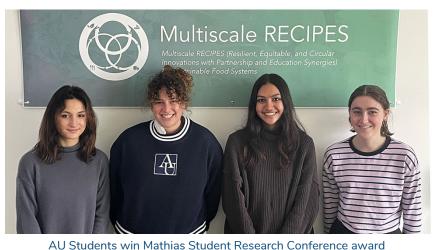








Ariella Knight, Claire Corbasson, and Dr. Kaitlin Stack Whitney (RIT) presenting their summer valorization research project.



Is today's food was istorical public

Transforming wasted food will require systemic and sustainable infrastructure innovations Callie W Babbitt¹, Roni A Neff², Brian E Roe³, Sauleh Siddiqui⁴ Celeste Chavis⁵ and Thomas A Trabold¹ for Undergraduate Social Sciences Workshop