



National Institute of Food and Agriculture

U.S. DEPARTMENT OF AGRICULTURE

BIOENERGY, CLIMATE, AND ENVIRONMENT
FOOD PRODUCTION AND SUSTAINABILITY
YOUTH, FAMILY, AND COMMUNITY
FOOD SAFETY AND NUTRITION
INTERNATIONAL PROGRAMS

NIFA

Enhancing the Partnership

SAAESD/ASRED Joint Meeting
Lexington, KY - March 26, 2024

INVESTING IN SCIENCE | SECURING OUR FUTURE | WWW.NIFA.USDA.GOV

USDA IS AN EQUAL OPPORTUNITY PROVIDER, EMPLOYER, AND LENDER



Non-Discrimination Statement

<https://www.usda.gov/non-discrimination-statement>

- In accordance with federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs, are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.
- Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.
- To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax (202) 690-7442; or (3) email: program.intake@usda.gov.
- USDA is an equal opportunity provider, employer and lender.

Stakeholders

Charitable Giving

Local

NIFA

State

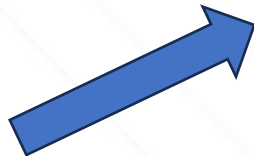
Industry

Other Federal Agencies



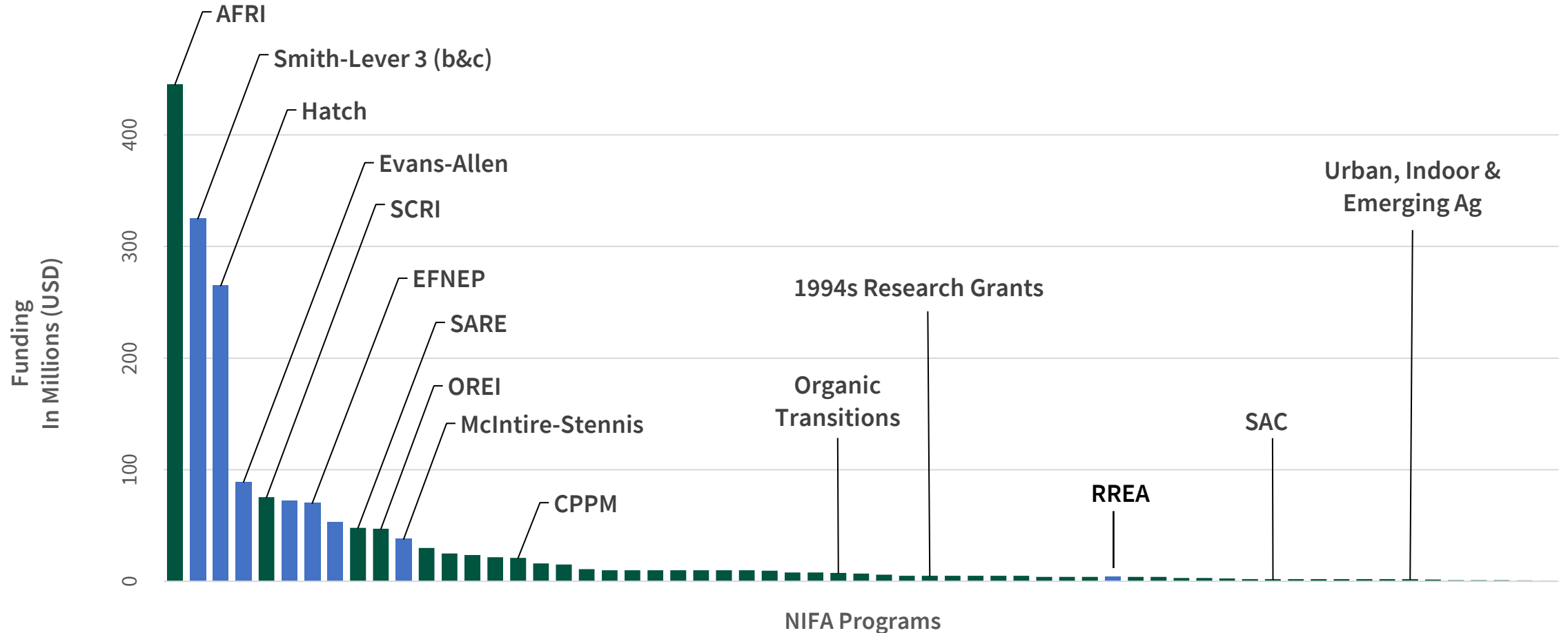
Land-grant University

Impacts

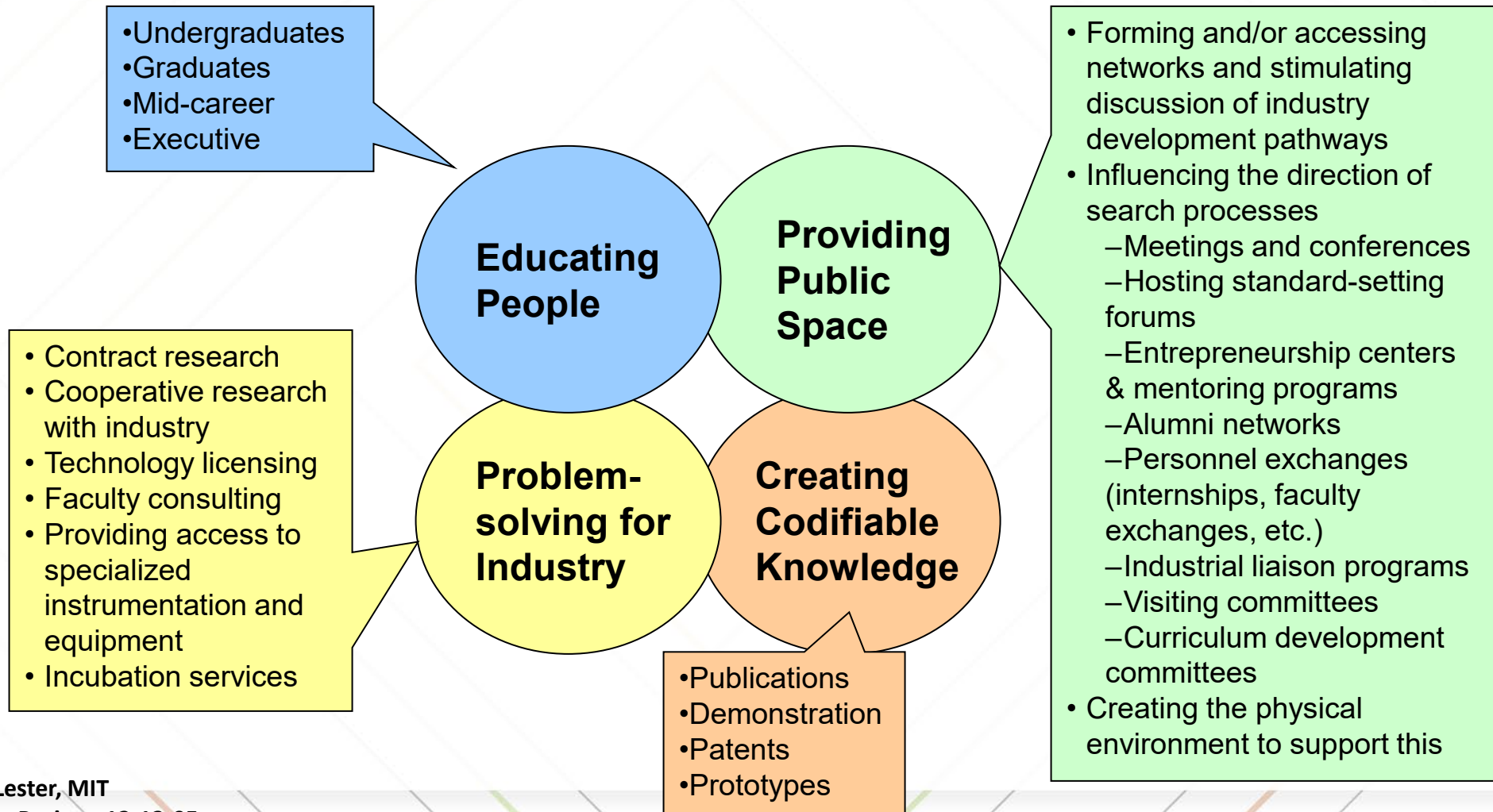


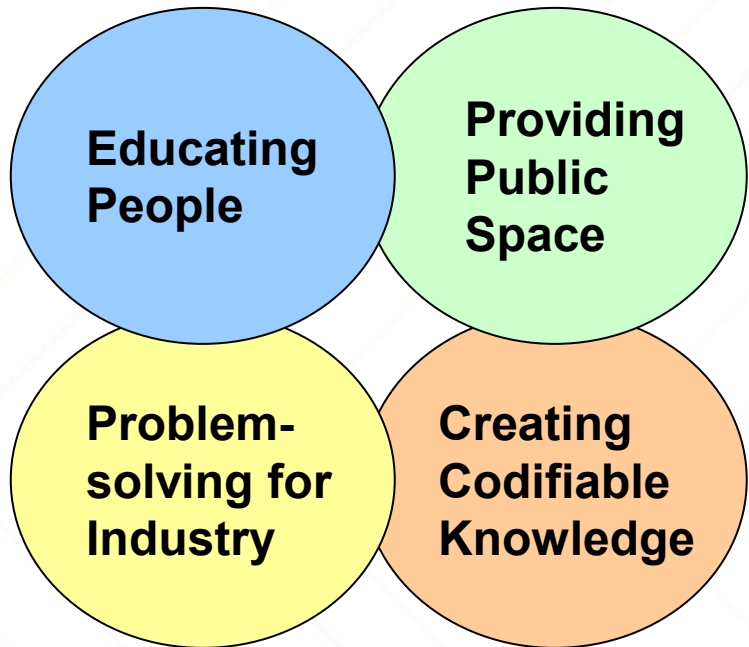


FY24 Enacted NIFA Appropriations



Multiple University Roles

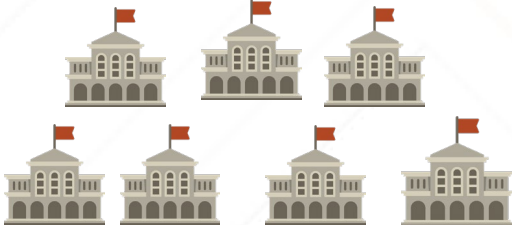




- Participatory science
- Community data collection
- Disaggregating environmental risk, exposure, and health by race, national origin, income, etc..
- Analyzing cumulative impacts
- Collaborating with Tribal nations to collect and analyze data related to subsistence and cultural practices

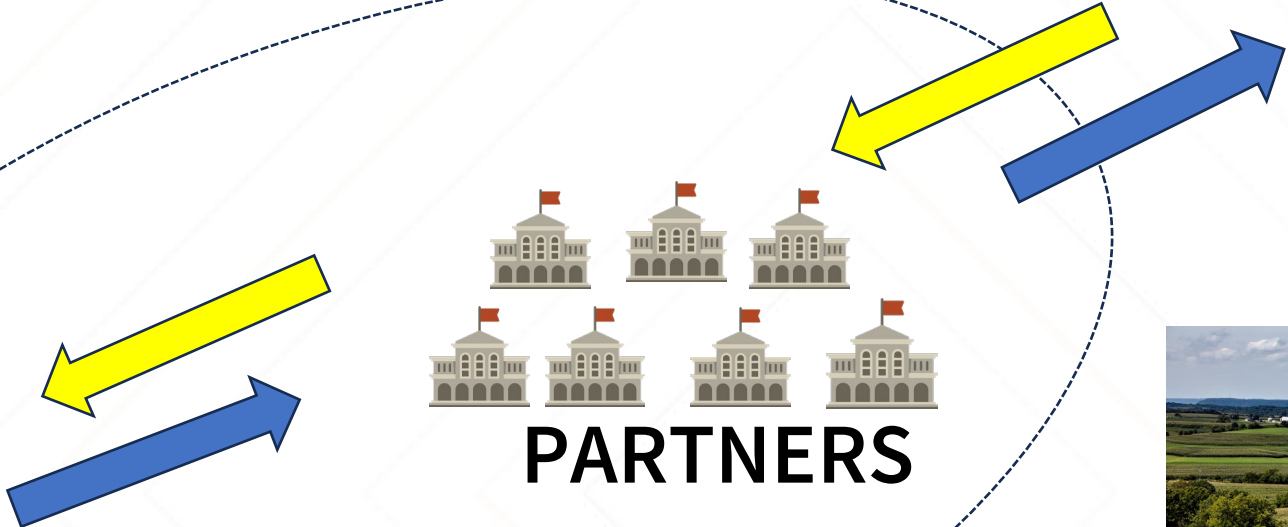
BENEFITS

STAKEHOLDERS



PARTNERS

NIFA



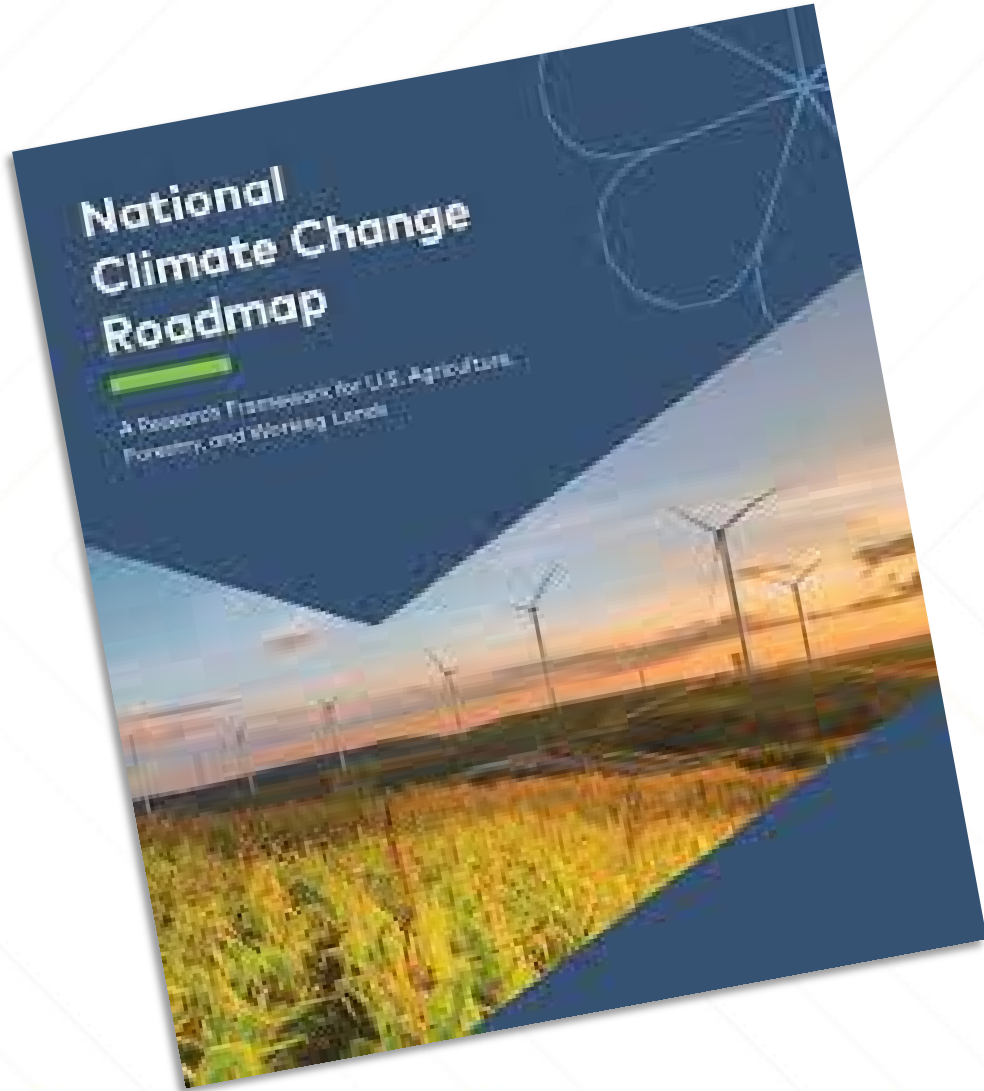


A1461 Environmental Justice

North Carolina A&T State University \$998,609 PD is C. Liang

DESIGNING NOVEL APPROACHES TO MAP IMPLICIT BENEFITS OF INVESTMENTS IN UNDERSERVED COMMUNITIES

- . . . understand the equity and distribution of both research investments and resulting science outcomes in the six statutory AFRI priority areas
- Four-year research project from July 1, 2024 to June 30, 2028
- Long-term goal is to support government agencies to conduct reliable and consistent investment assessment responding to climate change, food and nutrition security, and workforce development in supporting underserved communities
- Objectives: (1) Evaluate existing geospatial models and other models of investment streams as a direct measure of benefits from public research funding on underserved communities. (2) Elicit information on multiple dimensions of the implicit benefits from research investments on underserved communities. (3) Develop a novel approach that leverages and complements existing geospatial models for environmental justice. (4) Test, validate, and improve the platform for investment assessment on environmental justice.



National Climate Change Roadmap

- A product of the partnership
- Objective, Inclusive, Engaging
- Has thus far been a launch pad
- Envisioned to enhance the partnership
- Has the potential to drive benefits

What can we learn from this experience?

Enhancing The Partnership

- Relationship Building
- Vision
- Common purpose, mission, and direction
- Seek synergy
- NIFA Liaisons
- Attention to stakeholder benefits
- Information exchange



We Look Forward To The Work Ahead

Contact:

Kevin Kephart

Deputy Director, IBCE

Kevin.Kephart@USDA.GOV





LEWIS-BURKE

ASSOCIATES LLC

ASRED/SAAESD Spring Meeting 2024

Bridget Krieger, Senior Principal

Enhancing the Partnership: Advocacy

How can Cooperative Extension & Research partner to support efforts to increase federal funding?

Short- & Long-Term Strategies

LEWIS-BURKE

ASSOCIATES LLC

Advocacy Occurs at the Macro Level

Macro:

- APLU BAA hears from membership on priorities
- APLU BAA establishes funding priorities and broad justifications for those priorities
- APLU BAA cultivates and participates in coalitions
- APLU BAA meets with Congressional Committees that control appropriations and policy (Farm Bill)

LEWIS-BURKE

ASSOCIATES LLC

AND the Micro Level

Micro:

- APLU BAA Members identify problems at local and regional scales and socialize to define national priorities
- APLU BAA Members have access to key decision-makers that can be cultivated as champions
- APLU BAA Members have allies via university government relations and CARET
- APLU BAA Members have outcomes to share

LEWIS-BURKE

ASSOCIATES LLC

AND the Hyper-Local Level

- Politics is no longer local—It's "hyper-local"
- Just as web data is used to target products for each of us, each advocate must tailor messages for:
 - Local/State Reps
 - *US House of Representatives*
 - *US Senate*
- 24-hour news and social media = short memories
 - Requires engagement on a regular basis and ability to *pivot*

LEWIS-BURKE

ASSOCIATES LLC

Harnessing the Macro, Micro, and Hyper-Local

Success:

- Inform and educate, be a resource
- Increase funding to yield more research and services
- Taking advantage of opportunities (***good & bad***) as they arise
- Diverse array of champions within coalitions & in government

Failure:

- Divergent priorities that work against one another
- ***Letting “perfect” be the enemy of the “good”***
- Chaos
- Each piece of pie gets smaller

LEWIS-BURKE

ASSOCIATES LLC

Research & Extension

2024-2026

Cooperative Extension & Research need to be champions for each other

- **BAA:** Opportunities to shape the vision of agricultural innovation while we also assess outcomes/needs in capacity—*PARTICIPATE*
- **Congress/White House:** New Congress and a new Administration (Biden 2, Trump 2, Other?)
 - Educate, be a resource
 - Do your homework—what do they care about and how does your work align?
 - What are the key facts & figures (jobs, projects)
 - Do not let Congressional gridlock or budget austerity be a wasted opportunity
- **Pivot, then pivot again:** priorities will change and we need to embrace those opportunities

A nighttime photograph of Washington, D.C. The Washington Monument stands prominently on the left, illuminated against the dark sky. In the foreground, the Lincoln Memorial is brightly lit, with its reflection visible in the water of the Tidal Basin. The city lights of Washington D.C. are visible in the background, creating a bokeh effect. The overall scene is a panoramic view of the city at night.

Questions

LEWIS-BURKE

ASSOCIATES LLC

Building for the Future at the Martin-Gatton College of Agriculture, Food and Environment

**Joint ASRED/SAAESD Meeting
March 25- 28, 2024**

Jamie Matthews
Associate Dean for Research
Director, Kentucky Agricultural Experiment Station
CAFResearch@uky.edu

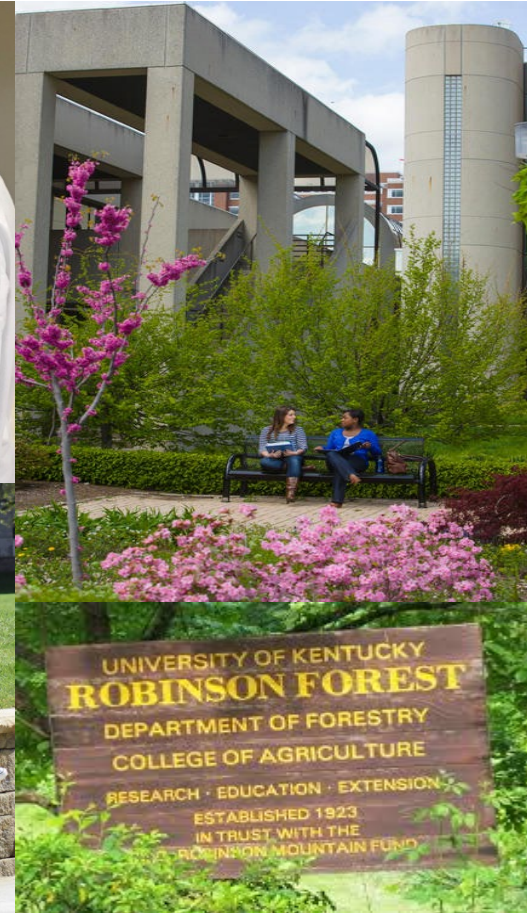


Overview

- **Operations**
- **Current Metrics & Programs**
- **Building for the Future**
 - **Faculty**
 - **Facilities**

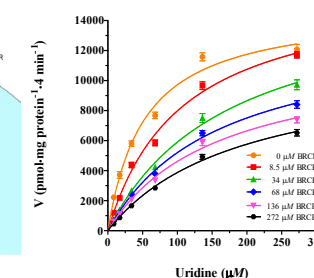
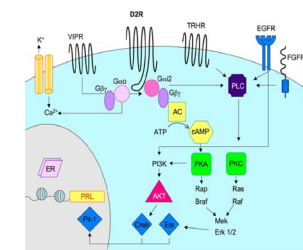
Operations

- 14 academic departments
- 19 research and support units
- 8 animal units
- 5 research centers
- 1 demonstration farm
- 1 forest



Recent Success – Faculty Accomplishments

- **Budget: \$237.2M; 2,630 employees**
- **Students: UG = 2,546; Graduate = 367**
- **240 full-time faculty – CY22**
 - 87.5 Research FTE vs. CY20 = 95.0 Research FTE
 - 570 peer-reviewed publications
 - Graduate degrees: 34 Ph.D., 75 M.S., 17 certificates
- **Grants and Contracts: 5-year average = \$46.6M**
 - **7 months FY24 = \$36.2M**
- **Technology Commercialization – CY23**
 - Inventions filed: 5
 - Patents filed: 4
 - Patents issued: 5



Building for the Future: 26 Faculty Hires

- Animal and Food Sciences: 2 + 3
- CLD: 1
- Entomology: 3 + 1
- FNR: 3 & 2 (US Forestry Service)
- Horticulture: 2 + 2
- LA: 1
- Plant and Soil Sciences: 3 & 2
- Retail, Tourism, Management 2
- Veterinary Science: 1 + 3
- Total Research FTE = 10.25



New (< 1 y)
Approved (< 2 yr)

Facilities Overview

- **Disaster Recovery & Rebuild**
 - UK-REC, Princeton
 - RCARS, Quicksand
- **Completed Projects**
- **Ongoing and Planned Projects**

University of Kentucky Research and Education Center

- Field station essentially destroyed December 2021 (~38/54 buildings)
- Crop fields cleaned and ~80% of pre-tornado field research conducted '22, '23
- Temporary trailer offices and labs functional since January and July 2023, respectively
- 12 barns/equipment sheds completed or almost complete
- Cattle research expected to resume April 2025
- Farm Shop and Field Processing Building: expected completion is December 2024
- Residence Hall and Main Building (labs, offices): expected completion is **August 2025**



Robinson Center for Appalachian Resource Sustainability (RCARS)



- **\$4.25M repair/replace expenses approved to date**
- **Repairs to existing facilities complete**
- **Two new facilities – bids accepted**

The Ag Campus North of Alumni Drive Is Moving!

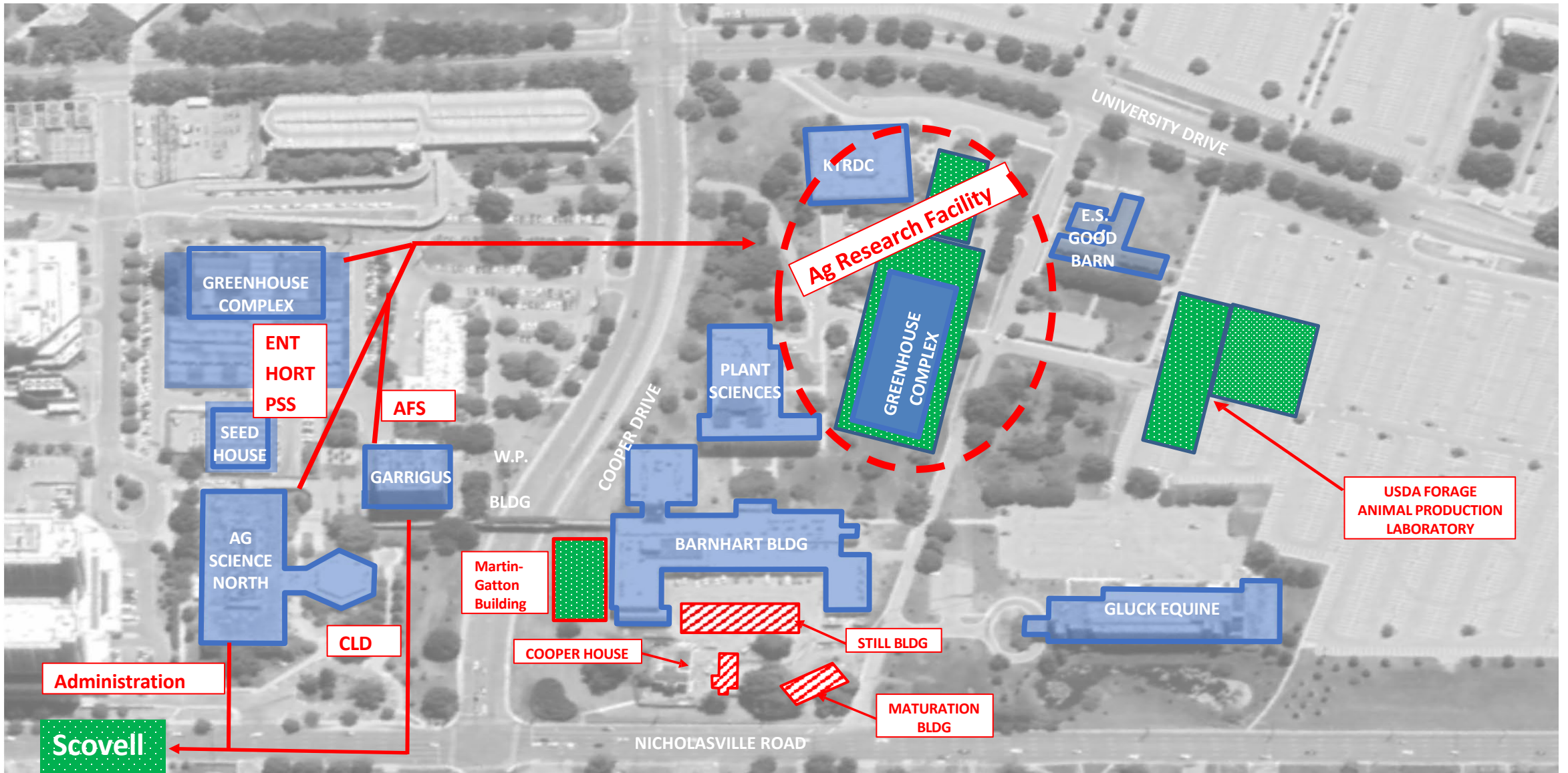


Dilapidated facilities make it difficult to compete for and recruit students, faculty and staff.

The last classroom facility was built before the turn of the century.

Most research laboratories and teaching/processing facilities no longer meet USDA standards.

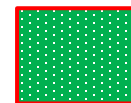




Existing Facilities



New Construction



Planned

FACILITY RENEWAL – ONGOING

Scovell Hall - \$70 million

- 92,000 square feet
- CLD, DHN, Administration
- Construction: March 2024
- Completion: January 2026

Martin-Gatton Building - \$60 million

- 65,000 square feet
- Construction: June 2024
- Completion: March 2026

USDA-ARS Lab - \$65.9 million

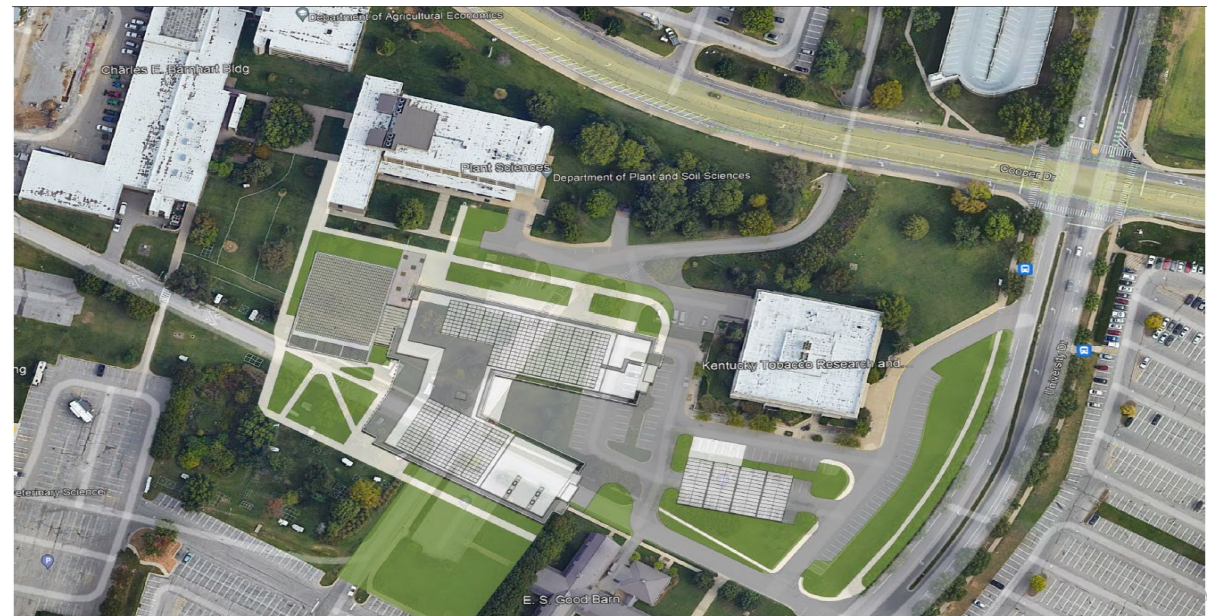
- Secured by Senator Mitch McConnell
- 47,800 sqft lab and greenhouse
- Construction: May 2024
- Completion: May 2026

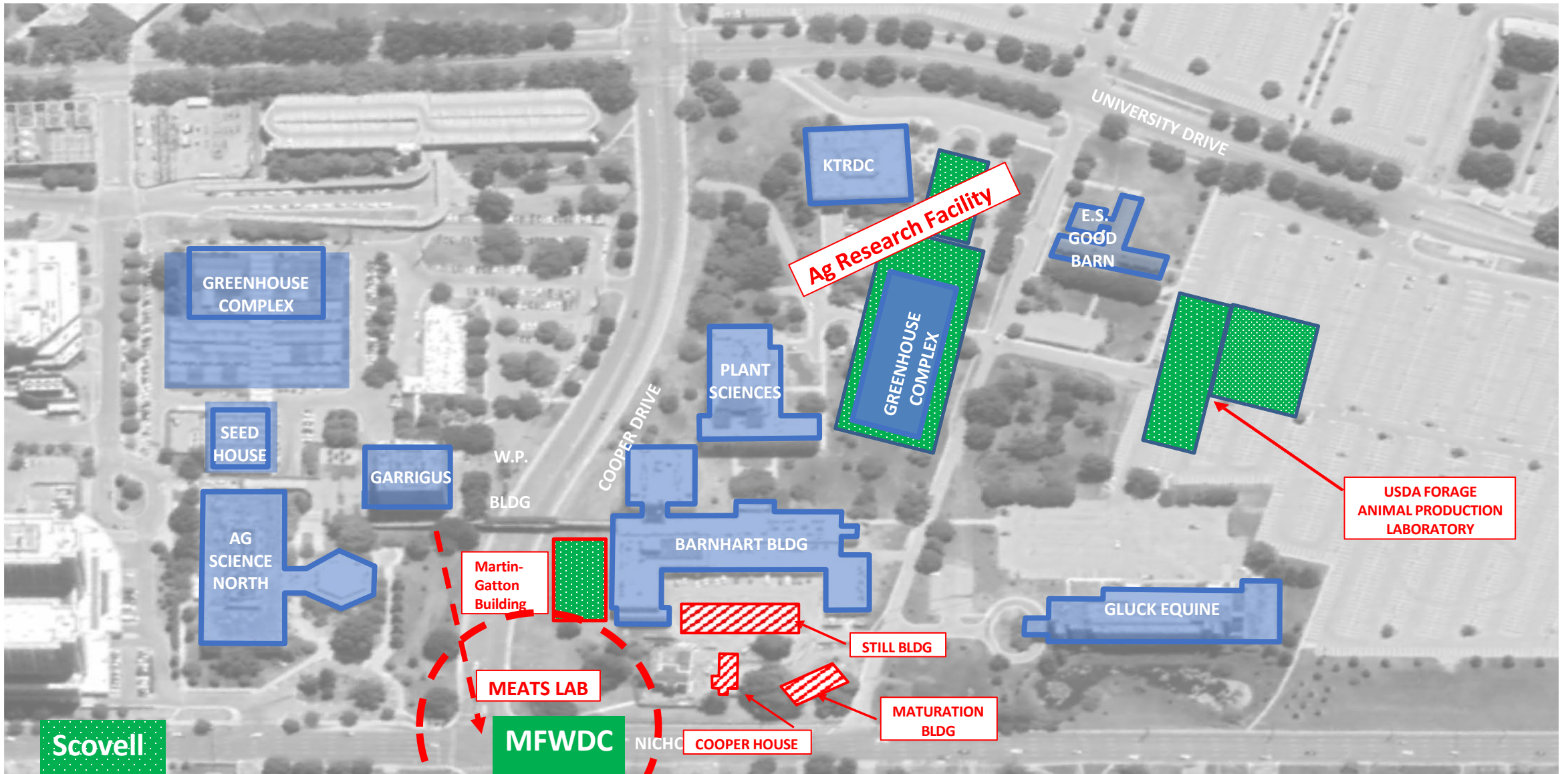


FACILITY RENEWAL – PLANNED

Agricultural Research Building

- \$250 million project scope
- 190,000 square feet
- Facility Includes:
 - Nine teaching and 63 research labs
 - Auditorium
 - Headhouse/greenhouse
 - Plant Diagnostic Lab
 - Horticulture
 - Entomology
 - Animal & Food Science
 - Plant & Soil Science
- Timeline
 - May 2026





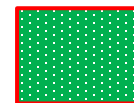
Scovell



Existing Facilities



New Construction



Planned

Meat and Food Workforce Development Center, LRC

PLANNED

- \$60 million project scope
- 64,000 square feet
- Facility Includes:
 - UK Meat Lab/Industry clinics
 - Poultry Research & Processing
 - Classroom/teaching space
 - Industry engagement/training space
 - Animal pavilion
 - Occupational health and safety
 - Food as Health Alliance
 - Demonstration kitchen
- Timeline
 - Aligned with demolition of Garrigus



Facilities Timeline

- UK Research and Education Center, Princeton, **August 2025**
- Scovell Hall, **January 2026**
- ARF Phase 1 (labs) expected completion, **Summer 2026**
- Meats Lab (MFWDC) **December 2026**
- USDA/ARS Forage Animal Production Laboratory, **Jan. 2027**

Building for the Future at the Martin-Gatton College of Agriculture, Food and Environment

Joint ASRED/SAAESD Meeting
March 25- 28, 2024

Jamie Matthews
Associate Dean for Research
Director, Kentucky Agricultural Experiment Station
CAFResearch@uky.edu

