

The logo for the College of Food, Agricultural, and Environmental Sciences (CFAES) is a red rectangle with the white text "CFAES" inside.

COLLEGE OF FOOD, AGRICULTURAL,
AND ENVIRONMENTAL SCIENCES

MINI LAND-GRANT CONFERENCE

July 10-12, 2022



Food, Health, Economy, and Engagement in the Digital Age

The North Central Region's Mini Land-Grant Conference will build relationships among experiment stations, Extension, academic leaders, and CARET representatives to foster potential interdisciplinary partnerships and build networking opportunities among administrative leaders within the North Central Region.

This conference brings together administrative and key stakeholders from the 1862, 1890, and 1994 land-grant universities to explore current issues, opportunities, and limitations that affect our food systems and community development.

We also will build an understanding of federal initiatives and directions related to the Farm Bill that can lead to positive advocacy.

The conference, hosted by The Ohio State University and Central State University, is open to all faculty, staff, administrators, CARET representatives, and others who support the land-grant mission in the North Central Region.

The land-grant universities within the North Central Region are from these states: Illinois, Indiana, Iowa, Kansas, Minnesota, Michigan, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin.

2022 Mini Land-Grant Conference for the North Central Region

**Food, Health, Economy,
and Engagement
in the Digital Age**



Conference Sponsors

Central State University
The Ohio State University

Welcome!

We are excited you are here! Our primary goals for this Mini Land-Grant Conference are to provide time for North Central Region leaders and our CARET delegates to give national and state updates, compare notes, learn from each other, and become equipped to best represent our interests back to the legislators and other key leaders who need to hear from us.

We have identified some critical issues facing our states, the nation, and the world at-large. In the spirit of our land-grant heritage, we aim to collaborate on multi-state research and Extension initiatives that can make a significant contribution to addressing these issues. We also want to discuss how we can best share this knowledge with the diverse communities we serve, and in which we all live, so the knowledge we have generated does not stay on the shelf, but is used to create applicable, practical solutions.

Thank you for attending this conference and for joining the conversation. We look forward to enlightening dialogue and productive collaboration this week!

On behalf of the planning committee,

Jacqueline Kirby Wilkins, co-chair
*Associate Dean and Director, OSU Extension,
College of Food, Agricultural, and Environmental Sciences*

Gary Pierzynski, co-chair
*Associate Dean for Research and Graduate Education,
College of Food, Agricultural, and Environmental Sciences*

Siddhartha Dasgupta, co-chair
*Associate Director of Extension, Central State University,
College of Engineering, Science, Technology, and Agriculture*

Conference Planning Committee Members

CARET — Nate Andre, Flannery Bethel, Caron Gala

Central State University — Siddhartha Dasgupta (co-chair), Pratibha Gupta, Subramania Sritharan

North Central Cooperative Extension Association — Robin Shepard

North Central Regional Association of State Agricultural Experiment Station Directors — Jeff Jacobsen

The Ohio State University — Jacqueline Kirby Wilkins (co-chair), Gary Pierzynski (co-chair), Cheryl Buck, Anne Dorrance, Dewey Mann, Jared Miller, Jared Morrison, ShaLise Simmons, Adam Ward

Ohio State University Extension Mission

We create **opportunities** for people to explore how **science-based knowledge** can **improve social, economic and environmental conditions**.

Central State University Extension Mission

Our mission is to become a premier community-based outreach and educational program leader that provides a holistic Extension approach to improve the overall conditions facing families in rural and urban communities and addressing agricultural issues in rural and urban locations.

2022 Mini Land-Grant Conference

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The **Council for Agricultural Research, Extension, and Teaching (CARET)** is a national grassroots organization of volunteers that was created in 1982 and is housed by the Association of Public and Land-grant Universities (APLU). CARET seeks to enhance national support and understanding of the land-grant university system's food and ag research, Extension, and teaching programs that enhance the quality of life for all people.

CARET delegates represent their states' land-grant programs. Delegates include: ag producers and ranchers, farm and commodity organization leaders, agribusiness leaders, consumer representatives, home-makers, local elected or appointed officials, and members of land-grant advisory groups.

Visit experiencecolumbus.com to explore a variety of things to do while you're in Columbus!

Agricultural research programs exist at state agricultural experiment stations in all 50 states, the District of Columbia, and U.S. insular areas. Passed in 1887, the Hatch Act mandated the creation of these agricultural experiment stations for basic and applied scientific research, to be affiliated with the land-grant university in each state. Their mission is to conduct original research, investigation, and experiments that contribute to the U.S. ag industry, in cooperation with the United States Department of Agriculture.

Examples of Hatch-supported activities include research on soil and water conservation; plant and animal production, protection, and health; processing, distribution, safety, marketing, and utilization of food and ag products; forestry; range management and products; aquaculture; home economics and family life; nutrition; community development; sustainable ag; and biotechnology. Research may address local, state, regional, or national concerns.

The **Cooperative Extension Service** is the largest non-formal education system in the world, established in 1914 with the Smith-Lever Act. This provided federal support for land-grant institutions to offer instruction beyond their campuses through Cooperative Extension efforts in agriculture and home economics. Extension professionals now work to effect change in many other subjects as well in all types of communities.

Extension's educational partnership is funded cooperatively by USDA, each state, and counties within each state. Extension offices throughout each state provide local contact with their respective land-grant university academic, research, and outreach experts/resources.

These statewide networks with many county-based educators bring together communities, businesses, and individuals of all ages to discuss needs, evaluate and utilize resources, provide feedback that impacts current and future research, and partner to solve current issues.

Agenda

Sunday — July 10, 2022

- 10-10:45am Registration open (*Hilton—Elijah Pierce AB room*)
- 10:45am load bus (*hotel lobby*)
- 11-11:45am **The Ohio State University** campus tour
—driving tour of highlights around main campus
- 11:45am return to hotel for lunch
- 12:45pm load bus (*hotel lobby*)
- 1-2pm travel to Central State University
- 2-4pm **Central State University** tour
—visit and learn about the botanical garden, aquaponics, corn research, mobile bee lab/ honey bee research, multi-disciplinary research on hemp, advanced technology research, hydraulics and water quality lab, other labs
- 4-5pm return to hotel
- 6-8pm **Land-Grant Brewing Company** visit and **downtown tour** (self-guided)
(424 W. Town St, Columbus, OH 43215)

Monday — July 11, 2022

- 7-8:30am Registration and Continental Breakfast
(*Elijah Pierce AB room*)
- 8:30-9am **Welcome, Introductions, Remarks**
(*Elijah Pierce AB room*)
–Dr. **Jacqueline Kirby Wilkins**, associate dean and director, OSU Extension
–Dr. **Morakinyo Kuti**, interim dean, Central State College of Engineering, Science, Technology, and Agriculture
- 9-9:45am **Digital or Precision Agriculture, Technology, and Artificial Intelligence**
–Dr. **John Fulton**, panel co-chair
–Dr. **Rajveer Dhillon**, panel co-chair
–panelists: **Dr. Cindy Folck**, **Jason Hartschuh**, **Dr. Scott Shearer**
- 9:50-10:35am **Ag Weather and Climate Issues**
–Dr. **Aaron Wilson**, panel co-chair
–Dr. **Sakthi Kumaran Subburayalu**, panel co-chair
–panelists: **Mike Estadt**, **Dr. Rattan Lal**
- 10:40-11:25am **Water Quality**
–**Heather Raymond**, panel co-chair
–Dr. **Sakthi Kumaran Subburayalu**, panel co-chair
–panelists: **Greg LaBarge**, **Dr. Steve Lyon**, **Dr. Chris Winslow**
- 11:30am-12:30pm **Lunch and Keynote Speaker**
–intro by **Dr. Jacqueline Kirby Wilkins**, associate dean/director, OSU Extension
–Dr. **John Horack**, inaugural holder of Neil Armstrong Chair in Aerospace Policy; and senior associate dean for research, Ohio State College of Engineering
- 12:30-1:15pm **Health and Wellness**
–Dr. **Erik Porfeli**, panel co-chair
–Dr. **Pratibha Gupta**, panel co-chair
–panelists: **Dr. Myriam Shaw Ojeda**, **Dr. Devin Peterson**
- 1:20-2:05pm **Food Systems, Food Security, Food Supply Chain**
–Dr. **Robert Korir**, panel co-chair
–Dr. **Lyda Garcia**, panel co-chair
–panelists: **Sam Custer**, **Dr. Jennifer Garner**, **Dr. Shoshanah Inwood**
- 2:10-2:30pm break
- 2:30-2:45pm **load buses for afternoon/evening tour**
(*hotel lobby*)
- 3-4:30pm Tour of **Waterman Agricultural and Natural Resources Laboratory** and **Interdisciplinary Research Facility** in **Ohio State's Innovation District**

(Monday schedule continued)

- 4:30-5:30pm travel to **Molly Caren Agricultural Center** (*Farm Science Review site*)
- 5:30-6:30pm BBQ dinner catered by City Barbeque
- 6:30-8pm tour of **Molly Caren Ag Center**
–led by **Dr. Scott Shearer**, chair, Ohio State Department of Food, Agricultural and Biological Engineering
- 8-9pm return to hotel

Tuesday — July 12, 2022

- 7-8am Continental Breakfast (*Elijah Pierce AB room*)
- 8-8:10am **Opening Remarks** (*Elijah Pierce AB room*)
–Dr. **Cathann A. Kress**, vice president for Agricultural Administration and dean, Ohio State College of Food, Agricultural, and Environmental Sciences
- 8:15-9:30am **National Updates — CARET, APLU**
(*Elijah Pierce AB room*)
–introductions by **Adam Ward**, director, CFAES Government Affairs
–**Bridget Krieger**, senior principal, Lewis-Burke Associates
–**Caron Gala**, director of Governmental Affairs, APLU
–**Bob Frazee**, CARET chairman
–**Andrea Putman**, assistant vice president, Communications and Partnerships, APLU
–**Joe Shultz**, majority staff director, U.S. Senate Committee on Ag, Nutrition & Forestry
–**Jennifer Tiller**, deputy staff director, U.S. House Agriculture Committee
- 9:30-10am transition to business meetings
- 10am-12pm **NCRA Experiment Station Directors Business Meeting** (*Elijah Pierce A room*)
- 10am-12pm **NCCEA Extension Directors Business Meeting** (*Elijah Pierce B room*)
- 10am-12pm **North Central CARET Annual Meeting**
(*Robert King room*)
- 10am-12pm **NC Deans and Administrative Heads Business Meeting** (*Private Dining Room*)
- 12-1pm boxed lunch and **Advocacy Training**
(*Elijah Pierce AB room*)
- 1:15-1:30pm **Closing and Call to Action**
(*Elijah Pierce AB room*)
–Dr. **Jacqueline Kirby Wilkins**, associate dean and director, OSU Extension