ILLINOIS
NCSA | National Center for
Supercomputing Applications

AIFARMS

Artificial Intelligence for Future Agricultural Resilience, Management, and Sustainability Institute

The Artificial Intelligence for Future Agricultural Resilience, Management, and Sustainability Institute at the University of Illinois at Urbana-Champaign is advancing the frontiers of AI and using these advances to address grand challenges in agriculture. The Center for Digital Agriculture at NCSA was awarded $20 million by USDA NIFA to develop AIFARMS as one of seven institutes funded by the National Artificial Intelligence Research Institutes program.

Research at the institute will focus on sustainability without increased labor requirements, animal health and welfare, environmental resilience in crops, and soil health. As part of these research efforts AIFARMS is helping develop the Illinois Autonomous Farm to test and demonstrate how AI-driven systems could potentially shape the future of farming.

Bringing together world-class scientists, Ph.D. students, postdoctoral researchers, extension specialists, and diverse industry partners, AIFARMS combines deep research expertise with strong education and outreach programs. Through these programs AIFARMS will help grow a diverse workforce with technical skills, reach underserved populations, and create a global clearinghouse to foster community-wide collaboration in AI-driven agricultural research.

Learn more about AIFARMS

Visit our website or email our team.