



The Institute for Digital Agriculture and Advanced Analytics (ID3A) is a new people-centered interdisciplinary effort to establish Kansas as a national leader in agricultural technology.

Launched on September 22, 2023, it is the first interdisciplinary institute established under Kansas State University's Next Generation Land Grant University Strategic Plan. With seven passionate directors leading the institute, progress has been made to fulfill the vision of making Kansas a national leader in agriculture technology.

The three aims of ID3A are centered around teaching, research, and engagement. Whether teaching in the classroom or professional development for those already in the industry, the Institute is educating a workforce for the future of farming and agriculture in the state. Solving complex problems using sensors, robotics, and artificial intelligence (AI), our research efforts are transforming how producers and industry partners make better decisions for their business by understanding the analytics and visualization of the data.

ID3A

TRANSFORMS...

agriculture in Kansas to make it climate resilient and profitable through research and adoption of disruptive technologies including artificial intelligence.

GROWS...

the Kansas economy by means of job creation on the interface between engineering, artificial intelligence, and agricultural practice. The Institute will become a leading national hub, producing significant industry engagement in the state.

CREATES...

the workforce required to bring Kansas agriculture into a technology-focused future by transforming educational practice.

ID3A DELIVERS

Research

- \$7.5 million in approved grant funding
- \$44.7 million in pending grant funding
- Award-winning research labs with international visibility

Teaching

- Interdepartmental Graduate Certificate in Agriculture Analytics (in-progress)
- 68 participants in academic ideation sessions and surveys

Engagement

- Active engagement with industry partners
- SAS Agriculture Data Science Jam Workshop
- ID3A Community Update with faculty from across campus
- *Seek Magazine*: "Improving the intelligence behind AI"
- *Ag Report* feature article
- Drone demonstration with Taiwanese students
- Celebrate Ag Showcase



Next-Gen K-State: Strategic Imperatives Alignment

Imperative 1

Developing graduate certificate in agriculture analytics and industry workshops around digital ag and advanced analytics.

Imperative 3

Supporting applied learning by offering undergraduate research on grant opportunities.

Imperative 4

Applying for large-scale grants to support the university's research enterprise and annual research expenditures.

Imperative 5

Equipping learners with the skills and hands-on experience they will need to be successful in their field through microcredentials, certificates, and noncredit training workshops.

Imperative 6

Fostering a culture of responsiveness to current and future partners of the university.

Imperative 7

Making digital agriculture and advanced analytics more accessible and usable, solving problems for our agricultural communities and partners.

Imperative 8

Engaging with the entire university through a multidisciplinary approach and supporting the "One K-State" mentality.

Imperative 9

Building capacity through targeted staff and faculty hires.

Imperative 10

Coordinating with KSU Foundation representatives across Colleges to identify interdisciplinary industry partnerships and philanthropic giving opportunities.

