

# 2026 ARISE IMPACTS

How the numbers stack up from 6/1/2022 to 2/11/2026 | [arisekansas.org](http://arisekansas.org)



## FAVE QUOTE

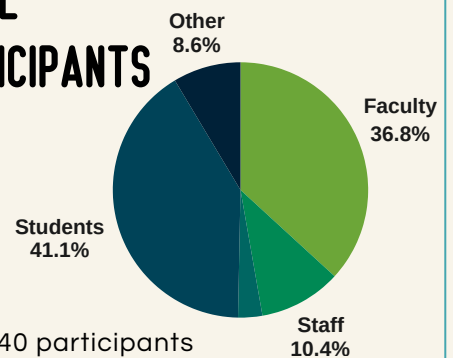


“Disasters are only natural in their trigger. The worst impacts come from vulnerabilities we've built over time...So the real question becomes: how do we decide what investments matter most? And how do we make that decision fairly?”

—Grad student Rebecca Wood’s elevator pitch

# 230

## TOTAL PARTICIPANTS



2022 = 40 participants  
2026 = 163 participants

All participants connected to >5 others on average



# 36

**SEED GRANTS** (up to \$50k each) awarded to Kansas scientists for research and education anchored to state priorities  
= 13 First Awards + 23 REI Awards

## PARTNERSHIPS AND COMMUNITY ENGAGEMENT

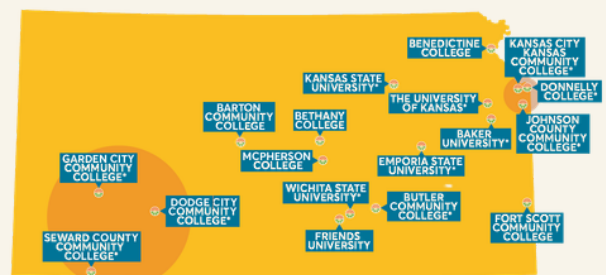


**163 RESIDENTS** contributing to 13 community studios

**>40 ORGANIZATIONS** contributing data for 70+ capstone class projects

**12 COUNTIES** engaged, with primary links to Ford, Finney, Seward, Johnson, Wyandotte

**4 SIGNED AGREEMENTS** for data sharing with utilities & municipalities



**40 CITY LEADERS INTERVIEWED** and 2 surveys of local government officials about infrastructure, workforce

**7 COMMUNITY COLLEGES** engaged in ARISE, along with 11 other colleges and universities

**82 ARTICLES PUBLISHED** in journals and conference proceedings



**6 ASSISTANT PROFESSORS MENTORED** Matches made in 2023-2024; mentoring also occurs regularly between team members and annually in the spring for REU mentors.



## SUSTAINING RESEARCH INTO THE FUTURE

**92** PROPOSALS SUBMITTED, requesting \$56.3 M

**42** PROPOSALS AWARDED, totaling \$11.2 M

ARISE is increasing the competitiveness of KS scientists by investing in seed grants, sharing funding opportunities in monthly e-news, leading all-team strategy sessions, etc.

Example highlight: WATER Hub Convergence Accelerator led by Duncan enabled 18 partnerships across Kansas and Nebraska and delivered multiple private and public dashboards.

## DATA RESOURCES FOR FUTURE RESEARCH CAPACITY



### Weather data examples

- Flooded road information (<https://kars.ku.edu>)
- Kansas historical wind statistics

### Other examples

- Virtual testbeds created in Jupyter Notebooks for Kansas rural and urban areas
- Household-level survey data on infrastructure access and disaster readiness
- Kansas Data Science Consortium created multiple dashboards, curriculum repository, vast collaborative network, new degree at KU, and dozens of partnerships

### Infrastructure examples

- Realistic multi-infrastructure testbed for general research use (called E-CLARC)
- Storm water management model (called SWMM-TK) uses Python to automate modeling
- Python tool to automate developing water transmission and distribution system by using publicly available datasets (called Road2H2O)

→ led to 1 invention disclosure!



**400+** Business leaders, educators, students networking at conferences

**70+** Data capstone projects sponsored by partners

**300+** Students trained across 7 colleges and universities

**5+** Class projects added to a new online repository of free data science curriculum

**300+** Workshops on statistics, coding, & data-related careers

## EXAMPLES OF DATA INSIGHTS FOR KANSAS

Dashboards for extreme events, disaster concerns, infrastructure, etc.

Return-on-investment of Ks apprenticeships

How community college graduates fare

Ticket sales for a performing arts organization & insights on banking, housing, insurance, health, etc.

[waterhub.ku.edu/extreme-events-0](http://waterhub.ku.edu/extreme-events-0)  
[data.ku.edu/kansas-communities-infrastructure](http://data.ku.edu/kansas-communities-infrastructure)  
[data.ku.edu/disaster-concern](http://data.ku.edu/disaster-concern)  
[data.ku.edu/community-partners](http://data.ku.edu/community-partners)  
[data.ku.edu/kdscon](http://data.ku.edu/kdscon)  
[datarepository.ku.edu](http://datarepository.ku.edu)

## EDUCATION + OUTREACH



**2,250+** individuals externally engaged in ARISE activities

**363** Teens impacted by Saturday Academy at KCKCC

**284** Youth and families engaged in spring Family STEM Nights at KCKCC

**63** Middle schoolers participating in Build Your Future fall program

**249** Students and families who have played new tabletop role-play game

**26** Undergrads empowered by summer REU program

**20** Native scholars engaged in summer internship

**18** Webinars

**13** Students reached through Emerging/Developing Scholars (9) and LSAMP (4)

