

Midwest Big Data Innovation Hub

Collaboration Cafe

September 2022



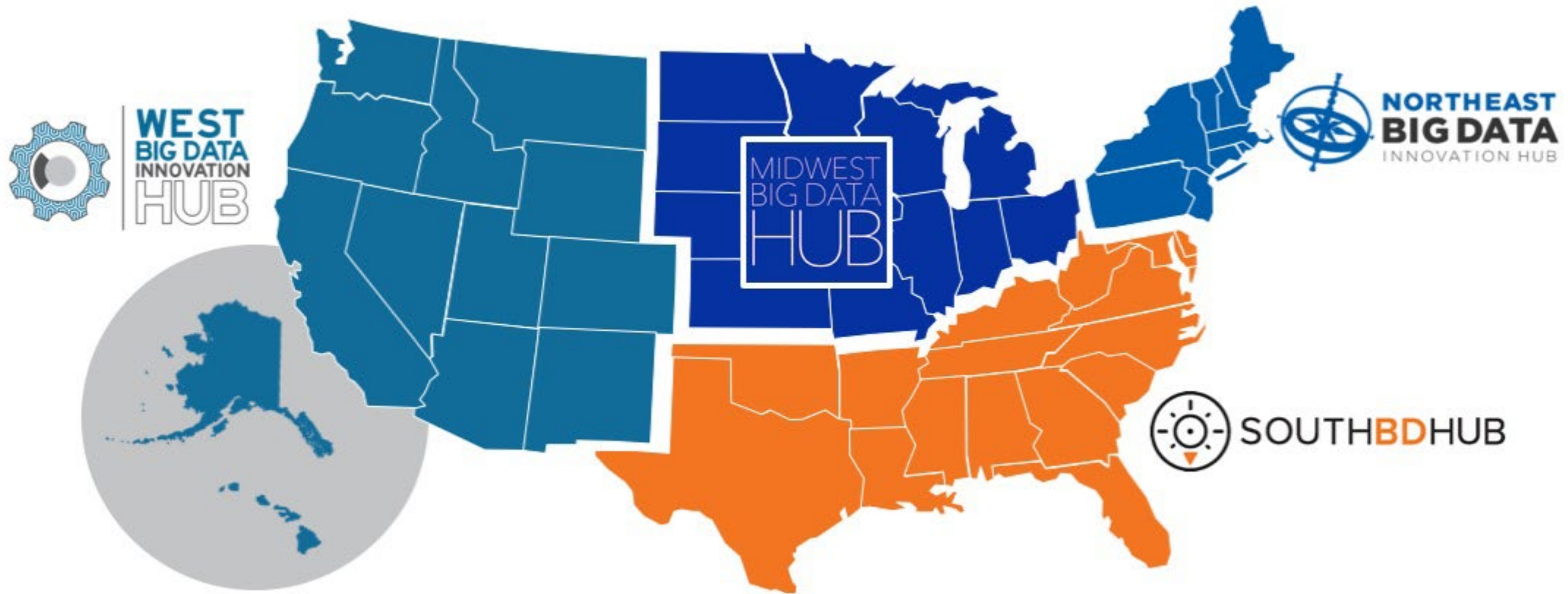
IOWA STATE
UNIVERSITY



supported by NSF [1916613](#)



Four regional Hubs, One national mission



What We Do

Engage communities, share resources, and build partnerships that harness data science to address societal and scientific challenges.



Priority Areas and Cross-cutting Themes

- Advanced Materials and Manufacturing
 - Big Data in Health
 - Digital Agriculture
 - Smart & Resilient Communities
 - Water Quality
-
- Data Science Education and Workforce Development
 - Cyberinfrastructure and Data Sharing



Collaboration Cafe webinar series

Goals:

- Building regional capacity for large-scale proposal response
- Growing a cross-disciplinary network of data science collaborators
- Elevating early career researchers
- Creating a more diverse data science community by actively engaging with non-R1 institutions, including minority-serving institutions (MSIs), tribal colleges and universities (TCUs), and predominantly undergraduate institutions (PUIs)
- Partnering with industry, government, nonprofits, and civic organizations to support translational research and transition-to-practice activities

Regular segments:

- Funding opportunity walkthroughs
- Lessons learned from prior awardees
- Researcher lightning talks
- Speed networking
- Small group discussions

Collaboration Cafe resources

- [MBDH website](#)
 - Web page with upcoming sessions
 - Short form for engagement
- [Slack community](#)
 - Networking
 - Input on future sessions
 - New solicitations
- [Shared Google Drive](#)
 - Running notes doc
 - Relevant prior awards to Midwest institutions
- [YouTube playlist](#) of webinar recordings

Cafe Ground Rules

- Multi-disciplinary team science is a core focus here - all proposal ideas are welcome for discussion
- Research proposals are competitive; some people may not be willing to discuss the details of their projects in this venue
- Private conversations in breakout rooms or Slack private messages are private
- Participating in Collaboration Cafe activities falls under our [NSF Code of Conduct](#)

MBDH engagement on proposals

There are multiple opportunities to have MBDH participate on proposals for this program, or other projects:

- Engagement partner: Communications, outreach, community assessments, participation in Hub events and activities
 - Non-exclusive Letter of Collaboration
 - Minimal to no funding to MBDH
- Collaborative partner: Engagement roles + involvement in developing and managing project activities
 - Non-exclusive Letter of Collaboration, subaward, co-PI roles, etc.
 - Funding to recover costs of MBDH staff time and other expenses
- **Note:** The MBDH is a neutral party and often provides non-exclusive Letters of Collaboration to multiple proposers to a solicitation

NIH proposal guidance (from the solicitation)

- “NIH Support for Conferences and Scientific Meetings” (R13)

- FOA: [PA-21-151](#) Next due: December 12, 2022 or April 12, 2023
- A permission-to-submit letter is required from a conference grant [contact person](#) at any one of the participating NIH Institutes and Centers (requested at least 6 week prior to proposal due date)
- Must include a plan to enhance participant diversity in all aspects of conference planning and implementation; in-person meetings must be held at ADA-accessible sites
- Organizers of NIH-supported conferences are expected to develop a safety plan and employ strategies that seek to prevent or mitigate the effects of discrimination and harassment, sexual and otherwise
- The “[NIH Support for Scientific Conferences](#)” page and [R13 FAQ](#) provide details about eligibility, disallowed costs, post-award reporting, and many other important details about the program.

- Proposal elements

- Permission-to-Submit Letter
- Budget (NIH non-modular)
- Conference Plan -
- Diversity Plan
- Safety Plan (NIH Just-in-Time process)
- Senior/Key Person Profile

NIH proposal review criteria

Full details in [Section V](#) of the FOA

- Overall Impact
 - “likelihood that the proposed conference will have a substantial impact on the pursuit of the goals of NIH supported research”
- Scored Review Criteria
 - Significance
 - Investigator(s) suitability / readiness
 - Innovation
 - Approach
 - Environment
- Additional Review Criteria / Considerations
 - Diversity Plan
 - Provision of Family Care Facilities
 - Budget and Period of Support

AHRQ proposal guidance (from the solicitation)

- “AHRQ Conference Grant Programs” (R13)
 - FOA: [PA-22-238](#) Next due: December 12, 2022 or April 12, 2023
 - Meeting types supported (must designate one)
 - Research Development
 - Research Design and Methodology
 - Dissemination and Implementation
 - Research Training, Infrastructure and Career Development
 - “AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complementary conference materials and products beyond the participants attending the event. Regionally-based conferences are acceptable with the expectation that plans will be developed for national dissemination.”
 - “Conference sessions must include health services research”
 - Direct costs may not exceed \$50,000 annually. Facilities and administrative (F&A) costs (indirect) are not allowed
 - Speaker fees for services rendered are allowed, but honoraria are not
 - Food costs associated with meeting activities are not allowed
 - Costs for meeting-related promotional items given to participants are not allowed
 - Consultant fees and salaries for institutional support staff who make direct contributions to a meeting are allowed
- Proposal elements
 - Project Summary
 - Research Strategy (conference plan)
 - PI Biosketch(es)
 - Budget (NIH non-modular)
 - Data Management Plan

AHRQ proposal review criteria

Full details in [Section V](#) of the FOA

- Overall Impact
 - “likelihood for the project to exert a sustained, powerful influence on the research field(s) involved”
- Scored Review Criteria
 - Significance
 - Investigator(s) suitability / readiness
 - Innovation
 - Approach
 - Environment
- Additional Review Criteria / Considerations
 - Inclusion of Priority Populations
 - Budget and Period of Support
 - Degree of Responsiveness

Prior MBDH activities in resilient communities + health

- Collaboration Cafe session on “Building Smart and Resilient Communities” (April 2022; NSF S&CC program)
- Collaboration Cafe session on “Multidisciplinary Data Science in Health” (May 2022; NSF/NIH SCH program)
- S&RC / Data Science for Social Good panel at the 2021 MBDH Regional Community Meeting
- MBDH + Iowa State TechTHRIVE community planning call (July 2021)
- MBDH participation in the 2018 US Ignite “Smart Cities Connect” Conference
- MBDH participation in the 2018 US Ignite “Smart Gigabit Communities” Reverse Pitch challenge
- “Smart, Local, Resilient” workshop in North Dakota, 2018
- S&RC meeting co-located with MBDH 2017 All-Hands meeting in Omaha



Agency context – NSF CIVIC



Agency context – NSF Smart & Connected Communities

State	# of awards
Illinois	7
Indiana	2
Iowa	9
Kansas	4
Michigan	10
Minnesota	2
Missouri	3
Nebraska	1
North Dakota	0
Ohio	2
South Dakota	0
Wisconsin	2

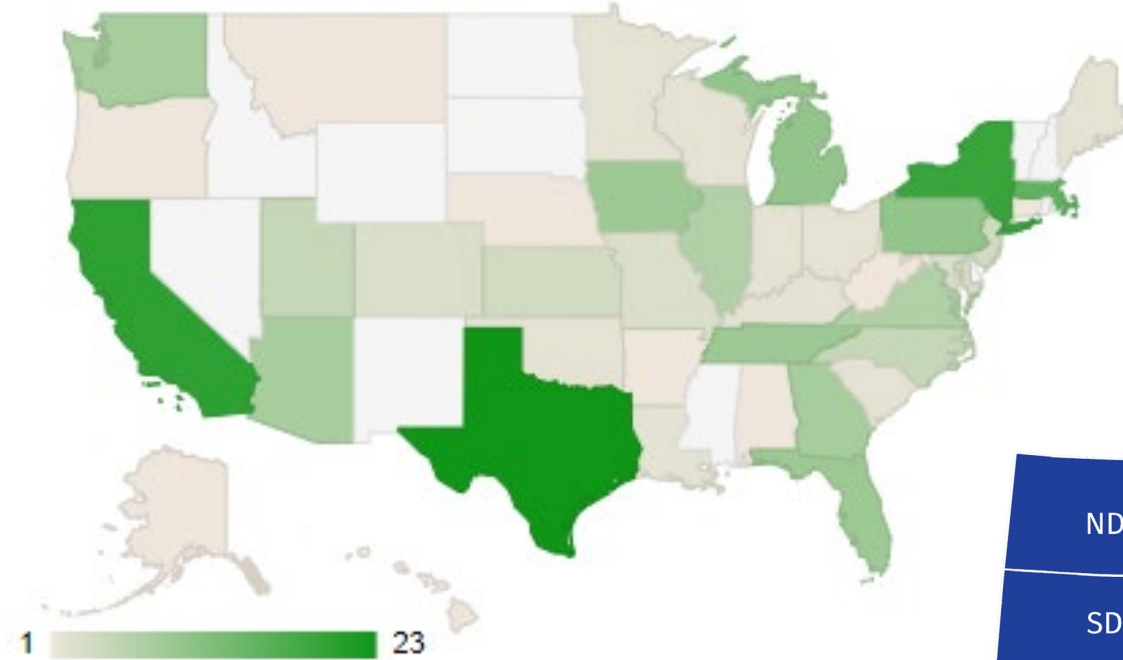
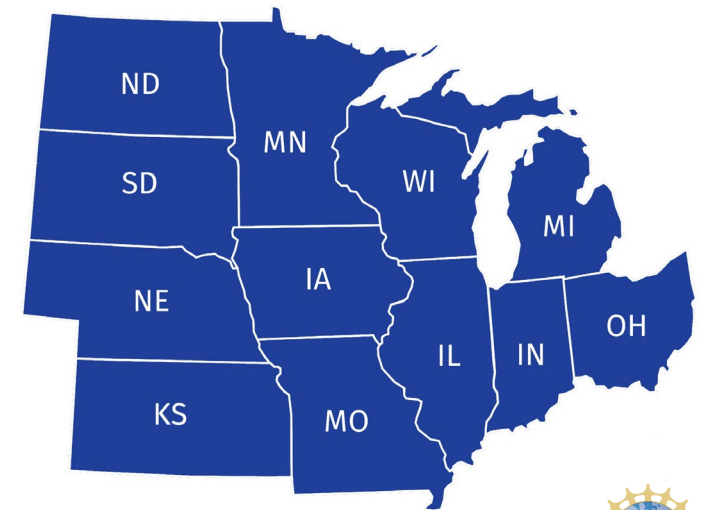


Image source:
NSF SCC program



Agency context – USDA, NIH, EPA



- Programs on food, nutrition, and community impacts
- Food production and supply chains
- Community resilience
- Climate impacts

- Impacts via Extension agencies



- Health disparities / outcomes
- Community health
- Food, water + health
- Environmental / climate impacts on health and food

- Impacts via community health organizations and translational research



Discussion

- What gaps and opportunities exist in the Midwest that collaborators could partner to address?
- What does collaboration look like to you?
- What projects are at the right level of readiness?

Get involved

- <https://midwestbigdatahub.org/cafe>
- info@midwestbigdatahub.org

October 20, 2022

3:00–4:00 p.m. CT / 4:00–5:00 p.m. ET

- Topic: Next Steps for Collaboration on Midwest CI Workforce Development
- Solicitation: NSF CyberTraining

November 17, 2022

3:00–4:00 p.m. CT / 4:00–5:00 p.m. ET

- Topic: Early-Career Funding in Agriculture
- Solicitation: Foundation for Food & Agriculture Research (FFAR) Fellows Program



Get Involved ▾

MBDH Collaboration Cafe

Community Development and Engagement Program

Community Advisory Panel

Midwest Carpentries Community

Data Science Student Community

Regional Activities

Event in a Box Tool Kit

Explore Funding Opportunities

Join a Working Group