

Community Development and Engagement program

Building Midwest Capacity and Resilience

Midwest Big Data Innovation Hub



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supported by NSF award [1916613](#)



Agenda

- What is the Midwest Big Data Innovation Hub?
- What are the goals for this program?
- Who is eligible to participate?
- What kinds of proposals do we want?
- What does a successful proposal look like?
- How are proposals submitted?
- How are we reviewing the proposals?
- What support is provided?
- What is the timeline?
- Your questions
- Partner matching session

Webinar recording and slides will be available here:

MidwestBigDataHub.org/cde

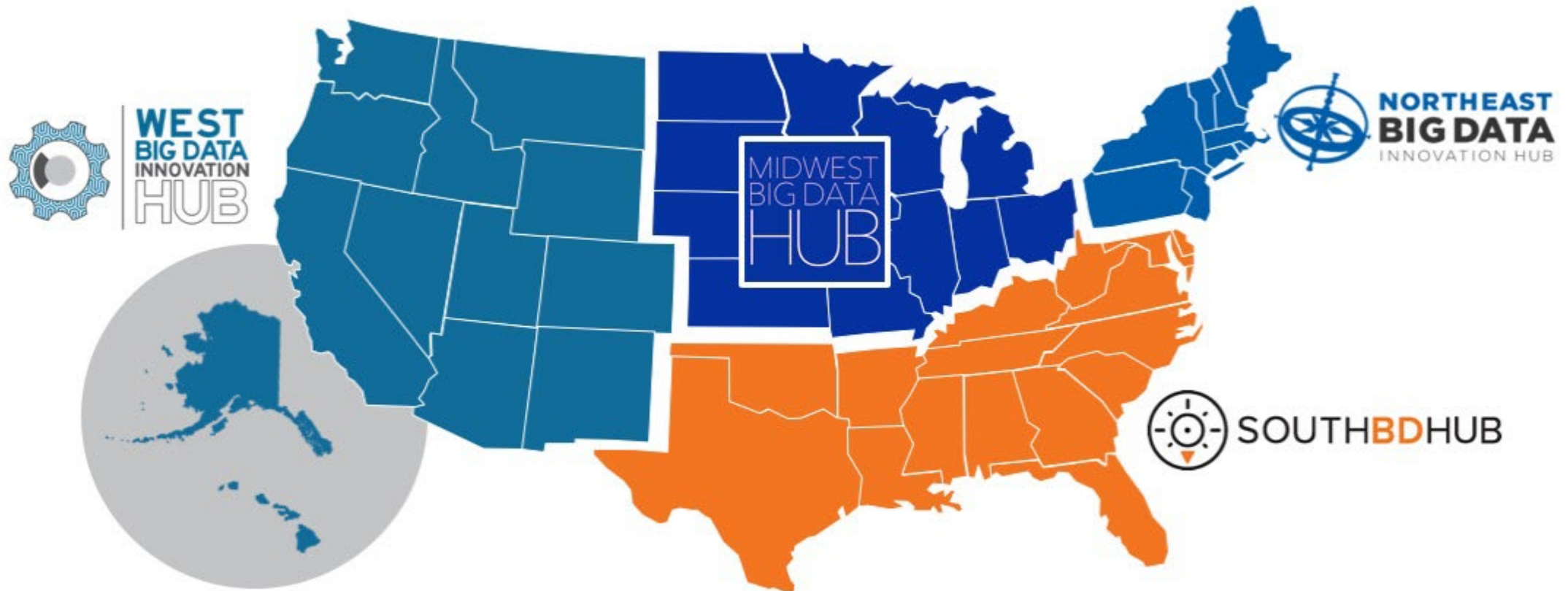


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Four Regional Hubs, One National Mission



What We Do

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



MBDH Scope and Goals

- A convening organization, not a research project or storage provider
- A neutral, regionally-facing entity
- Focused on community coordination and outreach
- Priority themes based on regional strengths and community needs
- Cross-sector partners from academia, government, industry, and nonprofits
- ➔ • Community Development and Engagement incubator program that is a portfolio of projects at different levels of maturity

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Priority Areas and Cross-cutting Themes

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



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Community Development & Engagement program as incubator

- Developing programmatic activities that the Midwest community is interested in partnering to develop
- Partnership between Hub and community
- Driven by community needs
- Led by community members
- 'Seed – Sprout – Spread' model:
 - Incubate projects at the seed phase
 - Provide support to grow to the sprout phase
 - Embed activities to grow to the spread phase – independence / sustainability
- Integrated into MBDH theme areas

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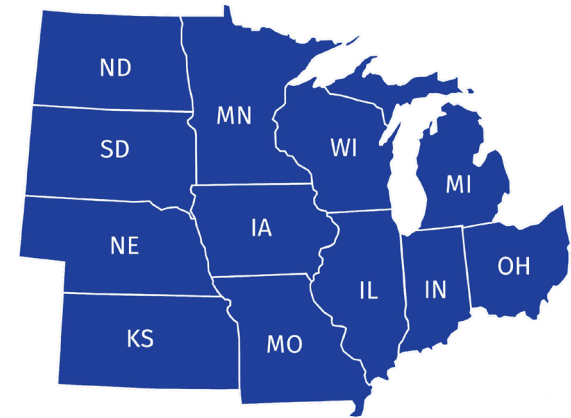
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Who is eligible to participate?

- Lead proposer(s) (PI) must be primarily affiliated with an academic, governmental, or non-profit organization within the 12-state Midwest Big Data Hub region (Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin)
- Activities may include for-profit partner participation and support, but we are unable to provide funding to industry
- We are not able to provide funding to international partners
- Lead PIs are limited to one proposal per funding cycle as lead proposer
- To broaden participation, grow the MBDH community, and ensure a transparent and fair process, proposers who are current PIs or co-PIs of the MBDH must include collaborators who are not currently affiliated with the MBDH.



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What kinds of proposals do we want?

- Preference will be given to activities or events occurring within the 12-state Midwest region, and which are open to participants from outside the host institution.
- Preference for virtual or hybrid to facilitate participation by all
- Synchronous or asynchronous activities (or a combination)
- Since this call is focused on community building, *individual investigator research projects are outside the scope of this call.*
- Examples:
 - Convening stakeholders to address data-related challenges and opportunities.
 - Building local partnerships among government agencies, civic organizations, and academia to understand community data needs for climate resilience.
 - Bringing together academic, industry, and community development stakeholders to understand workforce-development opportunities for data-related skill sets.
 - Researchers and practitioners who seek to assist rural communities in identifying how data and technology can increase resilience and reflect community voices and perspectives.
 - Developing the capacity of communities to use data storytelling and visualizations for community-engagement purposes.
 - Activities to extend data science training and workforce development to non-traditional students and/or under-represented groups.

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What support is available?

[FAQ page](#)

- Direct Funding – Up to \$35,000 for project costs, including travel, personnel, events, other; provide itemized details
- Participant support for attendees to in-person and virtual events (especially students and qualifying speakers) - Estimate the number of participants and the cost for each
- Communications - Assistance with outreach and participant recruitment, promotion and amplification, website development, web forms (event registration, surveys, etc.)
- Outcomes assessment – Assistance with metrics and assessment during and after award
- *We encourage proposers from small institutions and MSIs to include salary support and indirect costs / F&A in their budgets if that is a deciding factor in their ability to participate.*
- *No indirect costs will be awarded to proposers unless otherwise negotiated during the review process.*

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Proposal elements

- Relevant MBDH Priority Area(s) and/or Cross-cutting Theme(s)
- Project Description (1 page maximum)
- Project Plan and/or Event Agenda (2 pages maximum)
- Outcomes and Impacts (1-2 paragraphs)
- Project Effort and Requested Support (1 page maximum)
- Data management and sharing plan (1 page maximum)
- Proposer's bio (NSF/NIH Biosketch or standard resume/CV)
- Letters of collaboration (optional)

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Proposal elements

Proposal title:

Lead Proposer name:

Lead Proposer affiliation(s):

Lead Proposer email:

Additional proposers (add more as needed)

Proposer name:

Proposer affiliation(s):

Proposer email:

When submitting via email, please attach an NSF- or NIH-formatted [biosketch](#) (3 pages maximum) or a standard resume/CV for each lead proposer and additional co-proposer.

Relevant Priority Area(s) and/or Crosscutting Theme Area(s) (check all that apply):

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

Project Description (1 page maximum)

Provide an overview of the proposed activity and objectives.

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Proposal elements

Project Plan and/or Agenda (2 pages maximum)

Provide a project timeline with milestones (or, for an event, provide a draft agenda with suggested dates, timeline, and estimated number of participants).

Outcomes and Impacts (1–2 paragraphs)

Describe the anticipated outcomes, impacts, deliverables, and next steps for the proposed activity. How will this activity catalyze data science community efforts in the relevant Priority Area(s)?

Project Effort and Budgetary Support Requested (1 page, \$35,000 budget maximum)

1. Provide an itemized breakdown of project personnel with their responsibilities and effort and associated monetary amount requested.
 - List each project team participant and their responsibilities for the activities described in the Project Plan. Estimate how much time each person will spend on the project and the costs for their participation (e.g., stipend, consulting cost, salary support, etc., using whatever scale makes sense for the participant: hours, weeks, % FTE, etc.).
2. Provide an itemized breakdown of any non-personnel expenses and the associated monetary amount requested.

Data Management and Sharing Plan (1 page maximum)

The proposal should briefly describe how information, resources, and/or tools created during the project will be distributed and/or maintained after the work is complete. This can include requests for hosting by the MBDH under some circumstances.

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Submission process

- Read the Call for Proposals
- Complete the proposal template
- Create a single PDF of the proposal + biosketch(es) + Letters of Collaboration
- Submit the proposal to info@midwestbigdatahub.org

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How are we reviewing the proposals?

- MBDH Seed Fund Steering Committee

- Data science and domain experts; independent volunteers, unaffiliated with the MBDH

- Review criteria

Successful proposals will support community engagement via a well-defined activity that is intended to advance one or more of the Hub's Priority Areas and/or Crosscutting Theme Areas.

The following criteria will be used by the MBDH Seed Fund Steering Committee to prioritize support:

1. Does the activity help advance one or more of the Priority Areas and/or Crosscutting Theme Areas of the Hub?
2. Does the activity engage new participants, especially underrepresented groups and smaller institutions, in the Hub community?
3. Does the activity generate new partnerships with industry, government, and/or nonprofits?
4. Is the proposed timeline and budget realistic for the stated goals?
5. Does the project plan address sustainability where appropriate, such as identifying opportunities for future external funding from government agencies, foundations, or industry, and include plans for continued collaboration?

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Timeline and Milestones

Activity	Date
Call for proposals released	August 25, 2023
Due date for proposals: Rolling submissions	Open until all funds allocated
Live informational webinar (recorded for future viewing)	September 13, 2023, 2pm CT
Target date for notification of award / decline Awardees may initiate the planning process with MBDH staff immediately	Within 30 days of proposal submission
Final reports due	Within 30 days of completion of the activity
Outcomes assessment	Following completion of each project

Preference for projects that can start soon and finish by May of 2024

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Q&A

Partner Matching

More information

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

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