

Community Development and Engagement program

Midwest Big Data Innovation Hub



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 is awarded?
- What is the timeline?
- Your questions

MBDH mission and strategic goals

The mission of the Midwest Big Data Innovation Hub (MBDH) is to strengthen the data ecosystem by developing effective networks across academia, industry, government and non-governmental organizations. The Hub strives to address scientific and societal issues of regional and national interest and to foster innovation across a number of priority and cross-cutting areas important in the Midwest.

1. Build and cultivate **Communities** around Data
2. Foster innovative activities across our **Priority Areas**
3. Increase **Education and Training** around Data
4. Develop a **National Coordination** effort with the other BD Hubs
5. Establish organizational **Sustainability**



IOWA STATE
UNIVERSITY



Priority Areas & cross-cutting themes

- **Advanced Materials and Manufacturing** (*lead*: University of Illinois)
- **Big Data and Health** (*lead*: University of Michigan)
- **Digital Agriculture** (*lead*: Iowa State University)
- **Smart and Resilient Communities** (*lead*: Indiana University)
- **Water Quality** (*lead*: University of Minnesota)

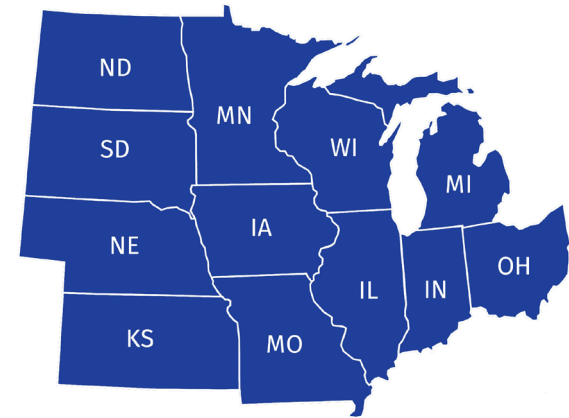
- Data Science Education and Workforce Development
- Cyberinfrastructure, Data Access, and Use

CDE program goals

- Grow the MBDH community by supporting stakeholder-led activities
- Lower barriers and accelerate timelines
- Incubate projects that address long-term sustainability
- Create value that can be leveraged by others

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 industry partner participation and support
- 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.



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.
- Current preference for virtual activities
- Synchronous or asynchronous activities (or a combination)
- Examples:
 - Proposal development workshops that address capacity building
 - Train-the-Trainer events on data science topics
 - Development of curricula or best practices for online data science education
 - Hackathons and data challenges, especially focused on student mentoring
 - Activities to extend data science training and workforce development to non-traditional students and/or under-represented groups

Proposal elements

- Relevant Priority Area(s) and/or Cross-cutting Theme(s)
- Project Description (1 page maximum)
- Agenda and/or Project Plan (1 page maximum)
- Outcomes and Impacts (1-2 paragraphs)
- Budget and Justification (1 page maximum)
- Data management plan (1 page maximum)
- Proposer's biosketch
- Letters of collaboration (optional)

Submission process

- View Call for Proposals
- Complete the proposal template
- Create a single PDF of the proposal + biosketch(es)
- Create an EasyChair account (free)
- Submit the proposal

<http://midwestbigdatahub.org/cde/>

The screenshot shows the EasyChair submission interface for MBDH CDE 2020. At the top, there is a navigation bar with the EasyChair logo and the text "MBDH CDE 2020 (author)". Below this, a dark navigation bar contains links for "New Submission", "MBDH CDE 2020", "Conference", "News", and "EasyChair". The main content area is titled "New Submission for MBDH CDE 2020" and includes instructions: "Follow the instructions, step by step, and then use the 'Submit' button at the bottom of the form. The required fields are marked by *." Below this is the "Author Information" section, which includes a note: "For each author please fill out the form below. Some items on the form are explained here:" followed by three bullet points: "Email address will only be used for communication with the authors. It will not appear in public Web pages of this conference. The email address can be omitted for not corresponding authors. These authors will also have no access to the submission page.", "Web page can be used on the conference Web pages, for example, for making the program. It should be a Web page of the author, not the Web page of her or his organization.", and "Each author marked as a corresponding author will receive email messages from the system about this submission. There must be at least one corresponding author." Below the instructions is a form for "Author 1 (click here to add yourself)". The form contains the following fields: "First name*" (text input), "Last name*" (text input), "Email:" (text input), "Country/region:" (dropdown menu), "Organization:" (text input), and "Web page:" (text input). At the bottom of the form, there is a checked checkbox labeled "corresponding author".

How are we reviewing the proposals?

- MBDH Seed Fund Steering Committee
 - 7 data science and domain experts; volunteers, unaffiliated with the MBDH
- Review criteria (examples; see CFP for more)
 - Which goals of the MBDH does the proposed activity help advance, and how?
 - How does the activity help advance one or more of the priority areas and/or cross-cutting themes of the Hub?
 - Does the proposal's activities and timeline match its stated goals?
 - Is the proposed timeline realistic?
 - Is the proposed budget realistic for the activities?
 - Does the proposal and/or PIs grow the MBDH community by broadening participation through collaborators who have not interacted with the MBDH previously?
 - How does the activity engage under-represented groups that are not currently involved with the Hub?

What is awarded?

- Goals: lower barriers, accelerate timelines
- Awards will be made in the form of activity planning support, administrative and logistical support, event facilitation, and Participant Support for attendees (especially students and qualifying speakers).
- Limited third-party facilitation, such as The Carpentries
- Logistics will be coordinated by the MBDH on behalf of successful proposers if those services are not available from the proposers' home institutions.
- No direct funding will be awarded to the proposers.

Timeline

Activity	Date
Call for proposals released	June 23, 2020
Submissions open on Easy Chair	June 23, 2020
Live informational webinar (recorded for future viewing)	June 30, 2020, 3pm CT
Deadline to submit proposals	July 24, 2020 11:59pm CT
Target date for notification of award / decline Awardees may initiate planning process with MBDH staff immediately	August 28, 2020
Final reports due	Within 90 days of completion of the activity
Outcomes assessment	Following completion of each award

More information

- info@midwestbigdatahub.org

