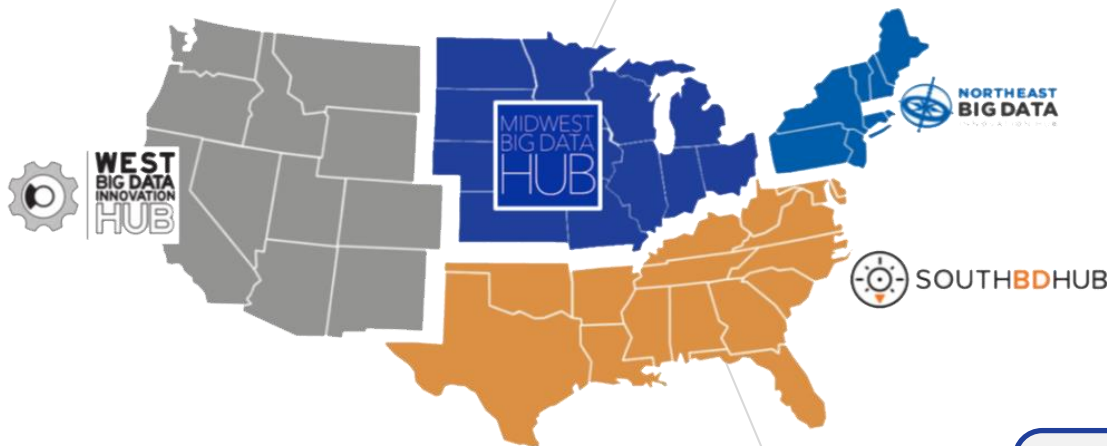


# Accelerating the Big Data Innovation Ecosystem

The Midwest Big Data Innovation Hub (MBDH) serves as a catalyst to build capacity and innovation around big data solutions to challenges in our 12-state region, and nationally through the NSF-funded BD Hubs network.



Connect with us  
on your interests:  
[bit.ly/MBDHello](http://bit.ly/MBDHello)

## What we do

- The MBDH catalyzes a cross-sector network to increase awareness and use of data in academia, industry, government, and nonprofits
- We address priority areas and their intersections in Advanced Materials and Manufacturing, Digital Agriculture, Smart & Resilient Communities, Water Quality, Big Data in Health, Data Science Education and Workforce Development, and Cyberinfrastructure and Data Sharing
- We convene and lead meetings, cultivate collaborations, and facilitate data science educational opportunities
- We are focused on building a diverse and inclusive network of partners





## Advanced Materials and Manufacturing

Capacity building through the development of effective pathways to incorporate data into the materials and manufacturing space, such as integrating existing materials- and manufacturing-related software and services.



## Digital Agriculture

Applying data science to plant, animal, and veterinary sciences to transform agricultural processes with the goal of improving agricultural production and the goods produced through agriculture; this requires making the data that describe ecosystems, crops, and animals more easily findable, accessible, interoperable, and reusable (FAIR).



## Smart & Resilient Communities

Shaping conversations around equitable use of data; innovative research; and community-driven, data-informed planning and decision-making to address the challenges of the use of infrastructure, safety and security, and coexistence of diverse communities.



## Water Quality

Building and convening an innovation network to accelerate and sustain the development of standards, data sets, and cyberinformatics tools to address critically missing links and bottlenecks related to water resources research and development.



## Big Data in Health

Managing, harmonizing, aggregating, modeling, interrogating, and visualizing complex biomedical and health data; this includes developing infrastructure enabling powerful and secure mechanisms for data aggregation and open sharing.

## Join the Hub Community

### If you are a researcher or educator:

- Broaden the impact of your current research by amplifying it through the Hub network
- Join colleagues from a range of institutions, including primarily undergraduate institutions (PUIs) and Tribal Colleges and Universities (TCUs) to share curriculum development ideas
- Submit a proposal to our Community Development and Engagement (CDE) program that incubates new community-led activities Find collaborators to respond to large and/or interinstitutional funding opportunities

### If you are a business or nonprofit:

- Join other stakeholders and thought leaders across the region and nationally to advance big data technologies through participation in working groups
- Influence big data initiatives by serving on our Community Advisory Panel

### If you are a student:

- Participate in our Data Science Student Community to build a network of peers and future collaborators
- Participate in our events and activities to increase your knowledge of new data-related trends and topics and receive mentoring
- Grow your data skills in a hands-on training workshop or at a datathon event

### If you are in a government agency:

- Engage with academic researchers and industry professionals to understand emerging trends and data sources for decision-making
- Communicate your data products to a larger audience

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