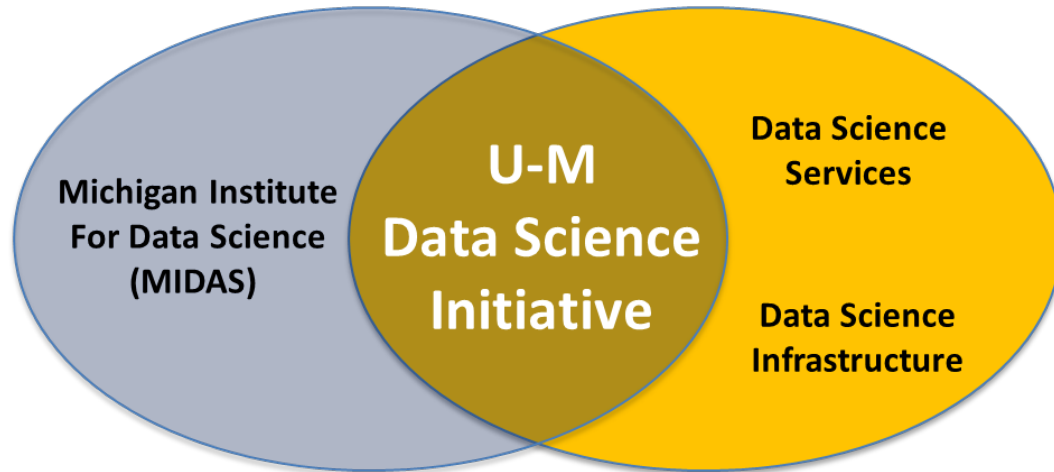


# The Michigan Data Science Initiative



**Challenge Thrust Information and Teaming Meeting  
Data Science for Social Sciences  
May 2, 2016**

**Al Hero and Brian Athey  
Co-Directors, MIDAS  
Eric Michielssen, AVP ARC**

# Agenda

1. Al Hero, MIDAS - Challenge solicitation
2. Amy Klinke, BEC - Engaging industry partners
3. Kerby Shedden, CSCAR - Data science services
4. Brock Palen, ARC-TS - Data science infrastructure
5. Jill Becker, Psychology & Psychiatry
6. Fred Conrad, Survey Research Center
7. Pamela Davis-Kean, Psychology
8. Susan Murphy, Statistics & Psychiatry
9. Mike Traugott, Communication Studies and CPS
10. Mike Cafarella, EECS
11. Rada Mihalcea, EECS
12. Zhe Zhao, EECS

# MIDAS Challenge Initiatives Program



MIDAS plans to fund a total of 8 proposals

- Evenly split over the 4 challenge thrusts
- Multi-disciplinary teams
- Funded at approximately \$1.25M over 3 years
- 50% cost sharing between UMOR and units

**Leveraging Data Science Services & Infrastructure**

# MIDAS Challenge Solicitation Summary

- ✓ Full details available at [midas.umich.edu/rfp](http://midas.umich.edu/rfp)
- ✓ Requests for Proposals
- ✓ Introduction to MIDAS RFPs presentations
- ✓ Social Sciences Presentations
  - Research topics / projects
  - Methodological Approaches to Solving Social Sciences Challenges
- ✓ Link to online White Paper Submission page

**Whitepaper Submission Deadline: June 30, 2016**

# Health & Social Sciences Challenge Timeline

Date	Challenge Thrust
February 16	RFPs disseminated
March 9	Health Sciences Town Hall Information Session
March 10	Social Sciences Town Hall Information Session
March 30	Health Sciences Town Hall Information Session
May 2	Social Sciences Town Hall Information Session
June 30	White papers due with 2+ week down selection
July 22	Full proposal solicitations communicated
October 17	Full proposals due
November 18	Awards announced

<http://midas.umich.edu/rfp/>

# Challenge RFPs - White Paper Requirements

No longer than **5 pages** (excluding budget and bios)

- P1. Title page with proposed project title, DSI Thrust designation, project abstract, names of co-PI's and contact information for the lead PI.
- P2-P5. Technical description. Problem to be addressed and technical approach to solve problem. Nature of data to be collected/analyzed/managed. Methodology to be applied and analytical tools to be used or developed. Data Science Services and computational infrastructure to be used. Description and justification of team, including partners from industry or other institutions (cannot be part of budget). Expected impact of research resulting from the project.
- Draft budget of approximately \$1.25M total over three years broken down yearly.
- One page bios of each co-PI.

# Challenge RFPs - White Paper Requirements

**The Associate Deans for Research (ADR) of all colleges or schools in which the coPIs and senior investigators hold their primary appointments should be sent a copy of the white paper.**

# Challenge RFPs - Review Process and Criteria

- Evaluation will be done by a panel of experts.
- The panel will review each proposal according to the following criteria:
  1. relevance to the stated thrust area(s);
  2. likelihood of the project to result in innovative creation and/or application of data science methodology for the stated thrust area(s);
  3. complementarity to existing projects at UM;
  4. multi-disciplinary coherence of team;
  5. likelihood that proposed work will lead to competitive major extramural grant proposals within 3 years.
  6. substantial involvement of students
- The decision to solicit a full proposal from a white paper or to fund a full proposal will be made by the MIDAS co-Directors.



# Challenge RFPs - Post-selection Expectations

- All co-PIs are expected to become active affiliate members of MIDAS.
- All teams will be expected to:
  1. submit yearly reports on progress towards the aims of their grant;
  2. participate in a yearly review, organized as a workshop for all co-PI's on all projects funded by the DSI intramural funding program;
  3. maintain an active project website;
  4. actively work with MIDAS to enhance data science at UM, e.g., through hosting DS student interns, sharing resources like software, and participating in targeted industry outreach.

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# Questions, Discussion