The Michigan Data Science Initiative

Challenge thrust information and teaming meeting
Data Science for Transportation
November 10, 2015

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

✓ MIDAS Challenge Solicitation (Al Hero, Brian Athey)
✓ Potential Industry Partners (Carrie Morton, MTC)
✓ Available Data Sets (Carol Flannagan, UMTRI)
✓ Data Science Services (Kerby Shedden, CSCAR)
✓ Data Science Infrastructure (Brock Palin, ARC-TS)
✓ Networking Reception
### Staging of challenge RFPs

<table>
<thead>
<tr>
<th>Timeline</th>
<th>Challenge Thrust</th>
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<tr>
<td>Fall 2015</td>
<td>Transportation, Learning Analytics</td>
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<tr>
<td>Winter 2016</td>
<td>Personalized Medicine and Health, Social Sciences</td>
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<tr>
<td>Fall 2016</td>
<td>Transportation, Learning Analytics</td>
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<td>Winter 2017</td>
<td>Personalized Medicine and Health, Social Sciences</td>
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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
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<tr>
<th>Date</th>
<th>Challenge Thrust</th>
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<tr>
<td>Oct 6 2015</td>
<td>RFPs disseminated</td>
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<tr>
<td>Oct 6 – Nov 30</td>
<td>Hold town hall information sessions</td>
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<td>Nov 30</td>
<td>White papers due with 2 week down selection</td>
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<td>Jan 18 2016</td>
<td>Full proposal due</td>
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<td>Feb 15</td>
<td>Awards announced</td>
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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.
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.
MIDAS Challenge Solicitation Summary

☑ Full details available at **midas.umich.edu/rfp**
  ☑ Requests for Proposals
  ☑ Introduction to MIDAS RFPs presentation
  ☑ Domain specific presentations on Transportation
  ☑ Link to online White Paper Submission page

**Whitepaper Submission Deadline: November 30, 2015**
Brief Presentations on

- Potential Industry Partners (Carrie Morton, MTC)
- Available Data Sets (Carol Flannagan, UMTRI)
- Data Science Services (Kerby Shedden, CSCAR)
- Data Science Infrastructure (Brock Palin, ARC-TS)
- Networking Reception