Quad Chart for: The Great Plains Regional CyberTeam

**Challenge:**
Supporting computational and data-intensive research at under-resourced institutions in rural states is challenging.

Rural states have:
- Sparse populations
- Fewer trained CI staff
- Smaller research output
- Less participation in national CI community.

**Broader Impact:**
- Drives CI development and adoption in EPSCoR States
- Enables advancements on campuses currently underserved by advanced CI
- Develops and disseminates CI best practices for an effective CyberTeam

**Approach:**
- Bring CI expertise directly to rural campuses.
- Cross-institutional distributed support team with 4 key foci:
  - Networking
  - System Administration
  - Security
  - Researcher Training and Outreach

- Leverages existing collaboration model of regional networks
- Pairs regional mentors with mentees and students
- Onsite campus engagement focused on enabling specific science workflows
Scientific Impact

Pilot site visit at University of South Dakota 10/9-10/11

Engagements with central IT, research computing group, and researchers themselves

Neuroscience and Advanced Materials labs

First big use of GPUs
First use of containerization