



NSF Campus Cyberinfrastructure PI and  
Cybersecurity Innovation for Cyberinfrastructure PI Workshop  
October 3-4 | Albuquerque, New Mexico

**NSF Program (either CC or CICI): CC**

**Program Area: Storage**

**Award Number: 1659282**

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**Project Title: The South Dakota Data Store, a Modular, Affordable Platform to Enable Data-Intensive Research and Education**



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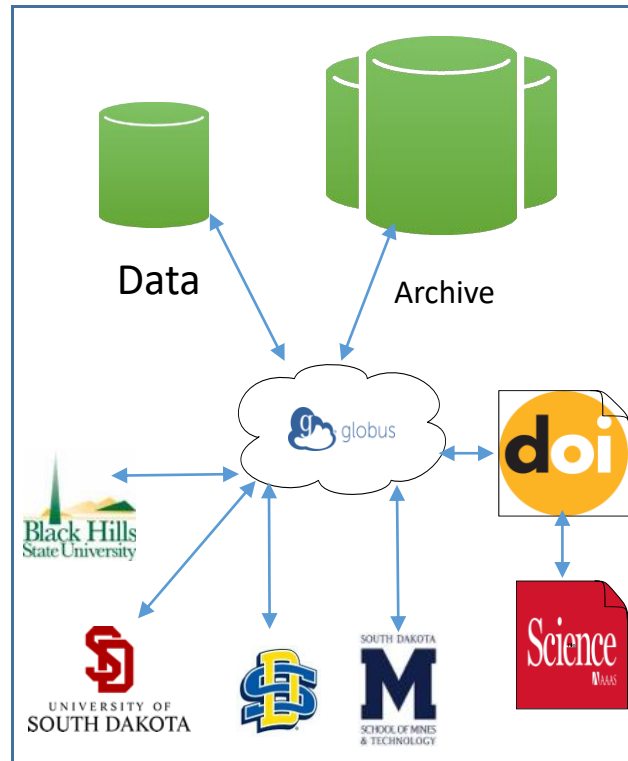
**Quad Chart for: CC\* Storage: South Dakota Data Store, a Modular, Affordable Platform to Enable Data-Intensive Research and Education**

**Challenge or Approach:**

- Aims to reducing the cost of long term scientific data archival
- Supports the growing utilization of big data sources such as sequencers, sensor arrays, and imaging devices

**Solution(s) or Deliverables:**

- The Sharing Tier provides high-reliability, high-availability, network-accessible storage for research requiring persistent access to large quantities of data.
- The Archival Tier provides long-term offsite archival-grade storage.
- Globus middleware provides high speed data transfer, sharing, and publication.



**Scientific Impact or Broader Impact:**

- SDDS will enable research in science, engineering, and medicine at a scale previously not possible.
- Initially, SDDS will support twelve STEM projects across eight departments at four institutions in South Dakota.

**Metadata tag:**

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