NSF South Big Data Hub
Co-Executive Directors

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PIs

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South BD Hub Initial Priority Areas

- Big Data Sharing and Infrastructure
- Healthcare
- Coastal Hazards
- Economics, Privacy and Policy Issues
- Industrial Big Data
- Materials and Manufacturing
- Habitat Planning
What makes the South BD Hub unique?

• Test beds for industry @ Texas Advanced Computing Center at UT-Austin (Dan Stanzione, pragmatic visionary), BEN, exoGENI
• Oak Ridge National Lab
• Georgia Tech Engineering schools, DARPA xdata, GTRI
• RENCI software sustainability -- open source software development expertise, federated networking expertise
• NC State Freedom Center simulated test grids
• Federal Government (NOAA Coastal Services Center, Water Center and NCEI in Asheville, NASA Goddard and Marshall Centers, EPA campus in Research Triangle Park)
• Highest concentration of historically black colleges and universities (HBCU) in the United States
• 5 out of 12 Gigabit connected cities (Austin, Richardson, Lafayette, Chattanooga, NC Ignite)
What are some of our infrastructure priorities in the South?

- Flexible architecture for communities of science.
- Providing member benefits (e.g., discounts for established services?).
- Models for repositories where there is no discipline-attached mechanism.
- Domain-specific integration of piloted repositories and resources.
- Domain concierge’s to cyber-infrastructure (lowering the barrier to adoption)
Questions?

Contact us at:

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