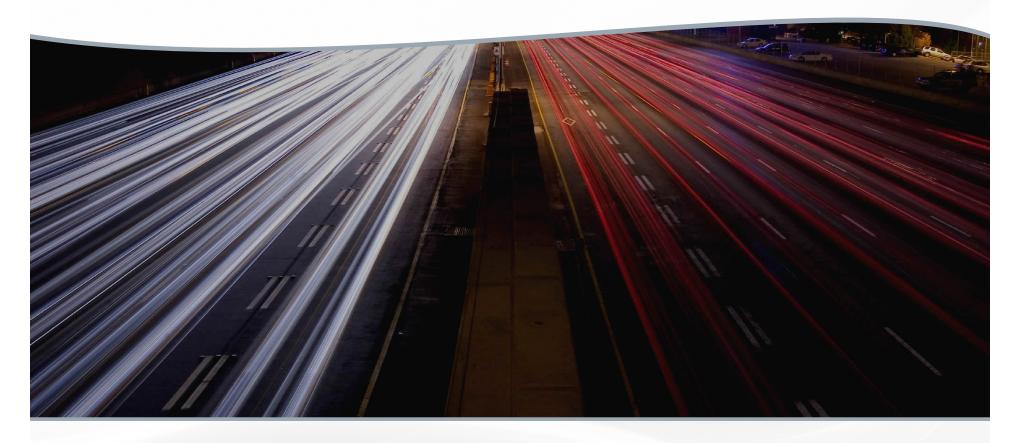
NSF South Big Data Hub















Co-Executive Directors

Georgia Institute of Technology



University of North Carolina at Chapel Hill

Renata Rawlings-Goss, PhD Lea Shanley, PhD

PIs

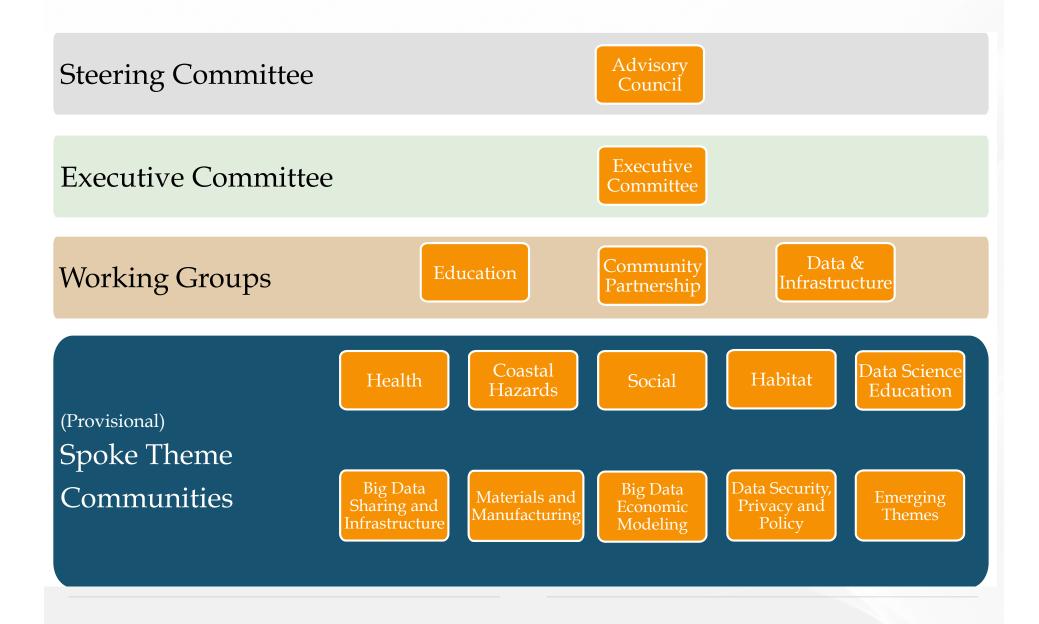


Srinivas Aluru, PhD

Stan Ahalt, PhD

Organizational Structure





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 Ashville, 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 disciplineattached 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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