

SURA® INFORMATION TECHNOLOGY COMMITTEE MEETING NOTES
Tuesday, June 6, 2022

Theme: National Research Computing Resources: Transition from XSEDE to ACCESS

Goal: The National Science Foundation has awarded \$52 million over five years to five lead institutions and their sub-awardees to facilitate its Advanced Cyberinfrastructure Coordination Ecosystem Services and Support, or ACCESS program.

The PIs of the ACCESS awards presented overviews of the services that will be provided under the new awards.

- Amy Schuele, National Center for Supercomputing Applications, who is leading the Track 3 – The CONECT Operations and Integration Services team. The Operations and Integration Services track comprises three defined activities: Operational Support; Data and Networking Support; and Cybersecurity Support.

Resource Providers Forum will replace and expand upon the XSEDE Service Providers Forum. RPF will include interaction with the user community to identify requirements for Resource Providers. UAB interested from their campus and role in a statewide initiative to connect with RPF and possibly leverage the RPF processes and practices. The CONECT service includes workflow templates for researchers using resources from campus, to national, and to commercial cloud. Florida International University (FIU) is the partner for international connections based on their work in international networking including AtlanticWave. The participation of FIU was the result of SURA referral to NCSA.

- Shawn Brown, Pittsburgh Supercomputing Center, who is leading Track 1 – The RAMPS Allocations. The Allocation Services track comprises three defined activities: Allocation Services; Innovative Pilots; and a Service Model.

The allocation service is simplifying the allocations process to democratize access to resources. The marketplace approach and simplified allocation request process. The primary driver is the amount of resources required for the project independent of the project type. Education, gateways, research requests will be considered similarly.

- Shelley Knuth, University of Colorado Boulder, who is leading Track 2 - The MATCH User Services team. The End User Support Services track comprises four defined activities: General User Assistance; Allocation and Utilization Assistance; End User Training; and a Computational Science Support Network.

A goal of the MATCH service is to reduce touchpoints for users to be successfully complete their projects. A tiered model with using an online system to address most researcher questions and issues with only a small number of researcher questions or issues requiring interaction with consultants. Those requiring consulting or deeper support will leverage students. A new paradigm for coordinating the community volunteers with the option to provide community grants for some support functions.

- Tom Furlani, State University of New York at Buffalo, who is leading Track 4 - the MMS Monitor & Measurement Services team. The Monitoring & Measurement Services track comprises three elements: Monitoring & Measurement Operations; Service Model; and Data Analytics Framework.

This service builds upon the knowledge and platform provided previously under prior grants. New in this instantiation is a data analytics framework available to users and a CI simulator to identify how new resources and shifting resources affects the CI ecosystem.

The presentation slides are available at <https://sura.org/programs/information-technology-2/it-initiatives-2-2/> and the recordings are available on the SURA IT YouTube channel at <https://www.youtube.com/channel/UCbLNRXTXakoxyZ6i-YOPG5Q>.

Meeting Participants:

1. Shawn Brown, Director, Pittsburgh Supercomputing Center
2. Shafaq Choudry, Assistant Director, Graduate and Research IT, Systems & Operations, University of Central Florida
3. Cas D'Angelo, Chief Operating Officer for the Office of Information Technology, Georgia Tech
4. Brian Ensor, Associate Vice President, Cybersecurity, Infrastructure and Research, George Washington University
5. Tom Furlani, Chief Information Officer, Roswell Park Comprehensive Cancer Center
6. Andre Clayborn, Assistant Professor Chemistry and Biochemistry, George Mason University
7. Clark Gaylord, Director of Research Technology Services, George Washington University
8. Sara Graves, Director, Information Technology and Systems Center, University of Alabama Huntsville
9. Julie Griffin, Senior Associate Dean University Libraries, Virginia Polytechnic Institute and State University
10. Terry Herdman, Associate Vice President Research Computing, Virginia Polytechnic Institute and State University
11. Marc Hoit, Vice Chancellor for Information Technology, North Carolina State University
12. Blake Joyce, Research Computing, The University of Alabama at Birmingham
13. Shelley Knuth, Assistant Vice Chancellor and Director of Research Computing, University of Colorado Boulder
14. Lew Lefton, Associate Vice President for Research Computing, Georgia Tech
15. Judd Nicholson, Vice President and Chief Information Officer, Georgetown University
16. John Paul Robinson, Research Computing, The University of Alabama at Birmingham
17. Amy Schuele, Associate Director Integrated Cyberinfrastructure, National Center for Supercomputing Applications (NCSA)
18. Linda Akli, Director IT Initiatives, SURA
19. Sean Hearne, President & CEO, SURA
20. John Holly, IT Program Associate, SURA