

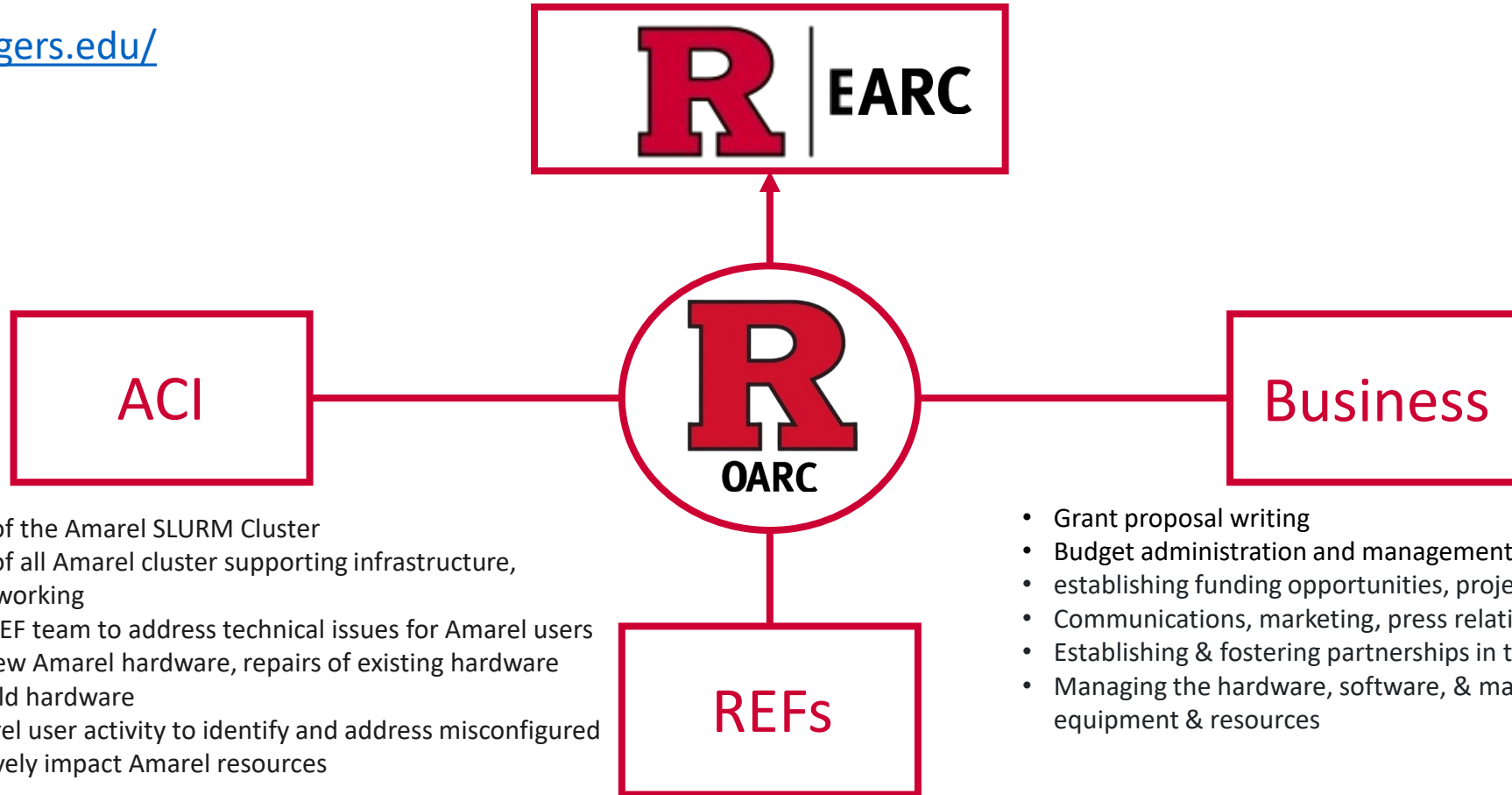
OARC Resources for Researchers in Today's Digital Age

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<https://oarc.rutgers.edu/>



- Administration of the Amarel SLURM Cluster
- Administration of all Amarel cluster supporting infrastructure, storage and networking
- Work with the REF team to address technical issues for Amarel users
- Installation of new Amarel hardware, repairs of existing hardware and retiring of old hardware
- Policing of Amarel user activity to identify and address misconfigured jobs that negatively impact Amarel resources

- Grant proposal writing
- Budget administration and management
- establishing funding opportunities, project and event management
- Communications, marketing, press relations
- Establishing & fostering partnerships in the greater community
- Managing the hardware, software, & maintenance licenses for OARC equipment & resources

- Experienced computational scientists bridging gap between central IT and the research community
- Consulting with researchers on the integration of ACI resources into their workflow
- Individual, group, or departmental training to help researchers optimally leverage advanced cyberinfrastructure (ACI) capabilities
- Embedded support in projects or departments and commercial-partner support specialists
- Team members with specialties in biochemistry, bioengineering, business administration, chemistry, data science, genomics, GIS, machine learning, mathematics, mechanical engineering, microbiology, physics, and visualization

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- Federated hybrid storage environment
- Allows storage resources to work together
- Amarel access from any location at any time

- Data driven friction-less research network
- Connects all campuses
- 40+ Gb/s backbone, upgradeable to 100Gb/s



Amarel is a shared community-owned advanced computing environment available to any investigator or student with projects requiring research computing resources.

- Create data-management plan for specific agencies
- Meet funder requirements
- Instruction & guidance
- Resources & services at Rutgers to fulfill grant



- Research-enabling web platform for building online databases
- Secure environment for managing survey data
- Contains advanced features for project creation & maintenance

Piscataway



- \$150/TB
- 1TB GPFS fileset
- 100GB home directory
- Distributed across CICnet



- Research support services in GIS
- Consultations & workshop sessions
- Help users with software, data, analysis, etc.

- Consortium of universities, network providers, and industry partners
- Simplifies multi-campus collaborations
- Offer resources not available on one campus alone

- A secure HIPAA compliant central repository
- Contains diverse healthcare data
- Has robust data analytics tools & resources

- Used to share and transfer research data securely
- Schedule high-performance data transfers between orgs
- Site-wide license at no cost