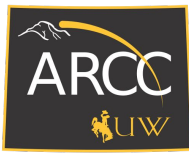


ARCC: Advanced Research Computing Center

Intro to ARCC Services at UW



ORED: Office of Research and Economic Develop

A screenshot of a web browser displaying the ARCC UW website. The browser's address bar shows "uwyo.edu/research/". The website has a dark blue header with navigation links: "STUDENTS", "PARENTS", "ALUMNI", "PEOPLE", "WYOWEB", "VIRTUAL TOUR", "GIVE", "EVENTS", and "A-Z DIRECTORY". Below the header is a yellow banner with the "UW NAVIGATION" logo and a search bar containing the text "What are you looking for?". A vertical "APPLY NOW" button is on the right. The main content area has a breadcrumb trail: "UW Home" > "Office of Research and Economic Development". The page title is "OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT HOME". A "MENU" section lists: "ROAMWYO", "COVID-19", "ADVANCING RESEARCH AND SCHOLARSHIP", "ANNOUNCEMENTS", "BUSINESS RESOURCE NETWORK", and "COMPLIANCE". The main heading is "OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT". The text below describes the office's mission and services.

UW Home > Office of Research and Economic Development

OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT HOME

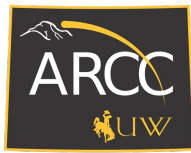
MENU

- ROAMWYO
- COVID-19
- ADVANCING RESEARCH AND SCHOLARSHIP
- ANNOUNCEMENTS
- BUSINESS RESOURCE NETWORK
- COMPLIANCE

OFFICE OF RESEARCH AND ECONOMIC DEVELOPMENT

The Office of the Vice President for Research & Economic Development is a service organization to the faculty, staff and students of the University of Wyoming. It is our goal to provide swift, accurate and expert service to enhance the research missions of individuals and various units within the University. To that end we have labored to place the assets within the office onto the desktops of researchers through this web site.

The Office of Research & Economic Development works with faculty, staff and students in all seven colleges and UW's outreach programs to link research, technology transfer, and economic development efforts to enhance federal, state and private sector support for faculty and graduate student scholarship. In a real sense, the office coordinates the origination, organization and execution of UW's research mission with principal investigators, departments, colleges, centers and institutes. Also the Research Office through the Research Product Center, works with faculty, staff, and student inventors to identify, protect and commercialize various kinds of intellectual property. These services are provided so that scholarly activities accomplished at UW enhance the creation of the new knowledge, new applications of existing knowledge, and positively impact economic development and society in general.



Mission

Provides support for research computing endeavors including:

- high performance computing
- large research data storage
- and consulting

to further the University of Wyoming and State of Wyoming's strategic priorities by enabling researchers with the necessary computational needs.

Core Service 1: High Performance Computing: HPC

We maintain a number of **clusters** for the purpose of allowing researchers to perform a variety of use cases such as running:

- computation-intensive analysis on large datasets.
- long large scale simulations.
- 10s/100s/1000s of small short tasks - nothing is too small.
- and lots of other use case...

Core Service 2: Research Data Storage

Safe and secure storage and **transfer of data** that researchers can **share and collaborate** on with others within UW, and other institutions across the world.

1. **Alcova:**

- a. High performance data storage geared toward **project-oriented data**.
- b. Storage for **published research data**.

2. **Pathfinder:**

- a. Low-cost storage solution that enables a **Cloud-like presence** for research data hosted by ARCC.
- b. Hosting **onsite backups** and enabling data sharing and collaboration.

Core Service 3: End User Support

Available to all researchers at UW:

- Website/Wiki - examples and suggested best practices.
- Zoom office hours.
- One-on-one consultation.
- Scheduled in-person and online training.

Other Services:

- SouthPass: Web based access to the clusters - included Jupyter Notebooks.
 - Linux Desktop Support.
 - Hosting of services - R Shiny application...
 - Proposal Development.
-
- As research needs grow, so will services being offered.



uwyo.edu/arcc



ADVANCED RESEARCH COMPUTING CENTER

The Advanced Research Computing Center (ARCC) is the primary research computing facility for the University of Wyoming. It provides centralized scientific computing resources, including HPC and research storage, and is a gateway to other research institutions within Wyoming and across the nation.

LINKS TO OUR RESOURCES

[ABOUT ARCC/CONTACT](#)[NEWS & ANNOUNCEMENTS](#)[DOCUMENTATION & HELP](#)[RESOURCES & SERVICES](#)[PUBLICATIONS & REPORTS](#)[PARTNERS](#)