



Strategic Plan 2017-2020

UBC Advanced Research Computing (ARC) is an institutionally-dedicated service for researchers across all disciplines working on questions that have large data and computational needs.

Our Mission

To enable excellence in research that is computationally and data intensive.

Our Vision

To establish UBC as an international leader in facilitating access to digital research infrastructure across all disciplines.

Our Values

Adaptable

We are flexible, innovative, and responsive to the rapidly evolving ARC needs of our research community.

Accountable

We ensure our decisions and operations are transparent and align with best practices for managing research data.

Collaborative

We collaborate with academia, government, and industry to catalyze research excellence.

Our Commitments

Access to Leading Digital Research Infrastructure

ARC enhances the access of the research community to digital research infrastructure, including high-performance computing, storage, high-speed networks, software, data management services, and highly qualified technical support.

Empower Researchers in all Disciplines

ARC empowers researchers in all disciplines by offering domain-specific expertise, consultation, and training on digital research infrastructure.

Fostering Innovation and Discovery

ARC fosters an environment that promotes excellence in research and innovation. We partner with researchers to evaluate new and emerging technologies and develop our staff to meet the needs of the research community.

Broad Community Engagement

ARC forms partnerships with government, industry, and research service providers around the world to ensure researchers have access to state-of-the-art digital research infrastructure.



Our Goals

Access to Leading Digital Research Infrastructure

Goal 1: Improve access to digital research infrastructure (DRI)

Actions

1. Increase storage, compute, network, and data centre capacity for UBC researchers.
2. Identify, promote, and support access to National and International DRI.

Goal 2: Provide expert technical support and services

Actions

1. Provide hosting and administrative support for CFI-funded DRI.
2. Provide ARC technical consultation to UBC researchers on DRI needed for specific research projects.

Empower Research in all Disciplines

Goal 3: Provide grant application and research data management support

Actions

1. Offer consultations on grant applications requiring DRI.
2. Offer expert ARC research data management advice.

Goal 4: Develop technique- and discipline-specific ARC training

Actions

1. Facilitate the delivery of Software and Data Management workshops to UBC faculty, staff and students.
2. Coordinate discipline-specific workshops led by UBC faculty members.

Fostering Innovation and Discovery

Goal 5: Implement and advance innovative DRI technologies

Actions

1. Pilot new and emerging hardware and software technology.
2. Evaluate research service provider's offerings and implement new services to ensure current and anticipated researcher needs are met.

Goal 6: Enhance ARC expertise through strategic hiring and training

Actions

1. Encourage the development of staff skills and knowledge of ARC techniques and tools.
2. Ensure staff capacity and capabilities to respond to research priorities and needs.

Broad Community Engagement

Goal 7: Evaluate strategic partnerships opportunities

Actions

1. Engage with government and industry to explore value add partnerships.
2. Develop relationships with other research service providers.