**Digital Research Alliance** of Canada

# Digital Research Infrastructure Investments | 2023-25

The Alliance collaborated with more than 90 researchers, research support professionals and partners to submit a Multi-Year Funding Proposal (MYFP) to Innovation, Science and Economic Development Canada (ISED). The MYFP outlined a portfolio of investments that will improve and sustain critical infrastructure and support Canada's researchers over 2023-25.

ISED has approved funding of **$228.3 million** for critical infrastructure upgrades, service development and expansion through the following initiatives.

| Initiative | Description |
|---|---|
| ARC Infrastructure Renewal and Commercial Cloud Pilot | Addressing the critical issue of Canada's aging ARC infrastructure (High Performance Computing Renewal and Community Cloud Renewal) across the National Host Sites. In addition, ISED has directed the Alliance to develop a commercial cloud strategy and pilot proposal to complement existing community cloud solutions. |
| Data Centre Upgrade | Completing Stage Two of a large data centre establishment project by increasing the hosting capacity to 5.0MW. |
| Extending User Support for 2023-25 | Providing expert technical and user support to the research community, maintaining the level and quality of services as user numbers continue to grow, and providing integrated front-line support covering all DRI pillars. |
| Sensitive Data Repository Project | Supporting the deployment of encryption management software to enable the Federated Research Data Repository (FRDR) and other data repositories to ingest sensitive research data and to make it discoverable and accessible (on a restricted basis) while stored securely long-term. |
| DMP Assistant Stabilization | Improving the usability and scope of the Data Management Plan (DMP) Assistant to support researchers with upcoming Tri-Agency requirements with additional staff. |
| Expansion of Lunaris | Expanding the Lunaris service team to enhance its discovery capabilities, continuing to de-silo data found in local and regional repositories, supporting the transition to the redesigned interface and expanding services and partnerships with other research organizations in response to user needs. |
| Cybersecurity Long-Term Action Plan (LTAP) | Developing a Cybersecurity Framework (CSF) and roadmap to achieve our desired future state, including a gap and current state analysis; current and new organization structure; cybersecurity governance and operational changes; cybersecurity policies; and cybersecurity-specific technologies. |
| Supporting Researchers using Quantum Computers | Increasing the number of highly qualified personnel (HQP) to support researchers in the adoption, testing and application of quantum technologies. HQP staff will be based at participating institutions to assist researchers in framing research problems, developing quantum-enabled research software and supporting innovation on quantum devices. |
| Funding for a more Equitable, Diverse, Inclusive and Accessible (EDIA) DRI Community | Supporting a targeted equity, diversity, inclusion and accessibility initiative to increase engagement and DRI service uptake among under-represented groups in the research and education sector. |

**More information: alliancecan.ca/en/2023-25**