

2017 CYBERINFRASTRUCTURE INITIATIVE - CHALLENGE 1

Notices of Intent

The following table lists the Notices of Intent (NOI) submitted to the second competition of Challenge 1 of the Cyberinfrastructure Initiative.

By the deadline of May 12, 2017, the CFI received 38 NOIs from 20 eligible institutions requesting over \$54.7M from the CFI, with a total project cost of \$137M.

| Administrative Institution | Project Leader | Project Title |
|------------------------------------|----------------------|---|
| Concordia University | Bloodgood, Elizabeth | NGO Data Network |
| Concordia University | Vermeire, Brian | Mitigating Big Data via Interactive In-Situ Visualization and Augmented Reality |
| McMaster University | Hassini, Elkafi | Research Data Infrastructure for Smart Freight Transportation |
| McMaster University | Veall, Michael | The CRDCN: Harnessing Administrative Data for Research and Policy |
| Queen's University | Jurisica, Igor | Towards in silico Clinical Trials (InSiCT) |
| Ryerson University | McArthur, Jenn | Network of Living Campuses |
| Simon Fraser University | Beg, Mirza Faisal | Cloud Engine Resource for Accelerated Computing (CERAC) |
| Sinai Health System | Lerner-Ellis, Jordan | Federated System for Genomics and Clinical Data Sharing |
| The Hospital for Sick Children | McNamara, Patrick | Leveraging TnECHO clinical data in Canadian NICUs for research to improve neonatal outcomes |
| The University of British Columbia | Braun, Willard | Environmental and Financial Risk Analytics |
| The University of British Columbia | Chan, Kai | EcoSERve: A national knowledge system for sustainability |
| The University of British Columbia | Hallam, Steven | Global scale metabolic pathway reconstruction from environmental genomes |
| The University of British Columbia | Hancock, Robert | Integrative Bioinformatics Strategies to Combat Inflammation |
| The University of British Columbia | Mohsen, Sadatsafavi | A Web-enabled infrastructure for improving accessibility to decision-analytic models for health technology assessment |
| The University of British Columbia | Sadiq, Rehan | Municipal Infrastructure Data Alliance for Small and Rural Communities (MIDAS) |
| The University of British Columbia | Wasserman, Wyeth | Building Research Infrastructure for Data to Generate Efficiencies (BRIDGE) |
| The University of British Columbia | Yong, Paul | A national patient-oriented data resource for endometriosis: a model for enhancing women's reproductive health research |

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|-----------------------------------|--------------------|--|
| The University of Winnipeg | Mauro, Ian | Pan-Canadian Climate and Energy Atlas |
| Université de Montréal | Bérard, Anick | Canadian Multi-Province Cohorts of Pregnant Women and Children |
| Université de Montréal | Poisot, Timothée | ICON - Infrastructure for Canada's Open Natural Data |
| Université du Québec à Chicoutimi | Vézina, Hélène | Cartographie haute résolution de la population franco-canadienne: une approche généalogique, démohistorique et génomique |
| Université Laval | Després, Philippe | A cyberinfrastructure for evidence-generating medicine: bridging the gap between clinical and research data |
| Université Laval | Duchesne, Simon | MEDICS 2.0: STRENGTHENING CANADA'S OPEN NEUROSCIENCE PLATFORM |
| University Health Network | Purdie, Thomas | CMD-R: Collecting Medical Data for Research |
| University of Alberta | Rockwell, Geoffrey | Understanding Ourselves |
| University of Calgary | Donovan, Eric | AuroraX |
| University of Calgary | Frayne, Richard | MINERVA - Medical Imaging Network for Research Validation and Analysis |
| University of Calgary | Lamoureux, Michael | syzygy.ca: A national analytics platform |
| University of Calgary | Murray, Maribeth | Canadian Consortium for Arctic Data Interoperability: Advancing Arctic Research through Connected Data Infrastructure |
| University of Calgary | Steel, Piers | metaBUS: Cloud-based meta-analytic platform |
| University of Guelph | Brown, Susan | LINCS: Linked Infrastructure for Networked Cultural Scholarship |
| University of Guelph | Hebert, Paul | Informatics for Ecosystems |
| University of Ottawa | Manuel, Douglas | Cyberinfrastructure for Predictive Analytic Research in Health |
| University of Saskatchewan | Wheater, Howard | Canadian Cyberinfrastructure for Water Forecasting and Prediction |
| University of Toronto | Easterbrook, Steve | Data Analytics for Canadian Climate Services (DACCS) |
| University of Toronto | Fox, Mark | Semantic Repository for Homelessness Data |
| University of Toronto | Stein, Lincoln | The Cancer Genome Collaboratory |
| University of Victoria | Herwig, Falk | Research Cyberinfrastructure for Canadian Astronomy |