

University of Guelph

Research Support Fund outcomes report

2018-19 Year

Eligible expenditure category	Output	Institutional performance objective	Performance Indicator
<b>Research Facilities</b>	Invest a portion of Research Support Fund grant in operations, upgrades and maintenance of the Advanced Analysis Centre (AAC).	To increase the use of centralized research scientific equipment through the University's AAC (Advanced Analysis Centre) by offering cost- effective and efficient testing and experimental support services to researchers.	<p>Continuous improvement in both volume of services processed, relevance of services provided and response times for research services across all AAC research service facilities.</p> <p>Increase usage by researchers across campus (students, staff, faculty).</p>
<b>Research Resources</b>	Invest portion of Research Support Fund to support new research data management (RDM) process (staff and IT resources)	<p>To increase the volume of collection and improve the access to research data through a centralized research management data information system.</p> <p>Increase the number of Data Management Plans (DMP) created by researchers. Increase the use of the Canada-wide tool DMP Assistant to create plans.</p>	<p>Increase in total number of data sets and associated code books captured in the RDM system each fiscal year.</p> <p>Increase number of registered researchers and associated data management plans in the DMP Assistant system each fiscal year.</p>
<b>Management and Administration of an institution's research enterprise</b>	Invest portion of Research Support Fund to support e-system development for the administration of grants and contracts.	Complete initial phase of the implementation of a new research application processing system to convert paper-based process into on-line, paper-less system.	Continued automation and process improvement of research administrative processes for researchers, staff and stakeholders.

<b>Regulatory requirement and Accreditation</b>	Invest portion of Research Support Fund for salary support of personnel within Animal Care Services for Post Approval monitoring	Development and initiation of Post Approval Compliance program for Animal use	Recruitment of Post Approval Monitoring co-ordinator.  Post Approval Compliance program defined and commenced.  Generation of Compliance reports.
<b>Intellectual Property and Knowledge Mobilization</b>	Invest portion of Research Support Fund to support faculty disclosures including communication, training, and support services to faculty.	To be one of Canada's most inventive universities.	National ranking of universities by number of disclosures per faculty.
<b>Eligible expenditure category</b>	<b>Target Outcome for 2018-19</b>	<b>Reported Outcome</b>	<b>Target Outcome for 2019-20</b>
<b>Research Facilities</b>	<p>Yearly, the AAC would like to increase total user fee income by 5% but there are many factors that influence the total income. The availability of funds from granting agencies, the number of successful applicants from U of G greatly influence the pool of funds available for researchers on campus to use our services.</p> <p>One outcome in the 2018-19 fiscal year was the completion of the transition of the AAC to a unit within the Office of Research. Ancillary changes that accompany this transition</p>	<p>In 2018-19, the target for user fee income for the AAC was exceeded by over 15%. This total includes both internal and external income. Three AAC facilities exceeded their overall target user fee income by 15%, 4% and 47%, respectively. The other 2 met 75% of their target. Projected incomes will be adjusted in 2019-20.</p> <p>The total number of faculty members using the AAC increased by 4% from last year (157 to 163). It is encouraging that the proportion of faculty members that used more than one facility increased from 36% to 42% of users.</p> <p>External user fee income decreased significantly compared to last year (\$103,941 in 2017-18, \$76,886 in 2018-19) but the numbers are misleading. There was a large prepayment made in NMR 2017-18 that skews the overall tally. If the external income totals from 2014-17</p>	<p>Increase total user fee income by 5% because as the equipment ages, maintenance costs increase. Income totals are dependent on factors out of AAC's control such as the success of U of G faculty in getting grants.</p> <p>With the AAC under the umbrella of the Office of Research, it is hoped that awareness in AAC services will increase and result in increased usership. We will aim to support new faculty upon arrival to ensure the long term viability of the AAC as a core facility.</p>

	<p>include a website upgrade and an increase in awareness of the services we provide.</p>	<p>are averaged, the external income total is slightly lower than that achieved in 2018-19. External income fluctuates as it is highly dependent upon factors over which the AAC has no control such as the economy and provincial budgets.</p> <p>Although the AAC has been fairly consistent in user fee income totals, there will be continued variability in the yearly total user fee income due to such things as the availability of Tri-Agency funds, the global budget (for external users), the retirement of major users and the success of AAC grant applications to obtain new equipment (which can attract more users).</p> <p>The AAC website has been upgraded and moved to the Office of Research server. All facility websites follow the same template which makes navigating in between sites much more fluid. AAC is now a separate unit in the University of Guelph (not associated with Colleges as in previous years), and as such separate safety documentation had to be created. This is shown in the newly created AAC Health and Safety Handbook. Documents will be regularly reviewed and updated by AAC Health and Safety representatives and inspections are set to begin in 2019-20.</p>	<p>An AAC Steering Committee (headed by the VP Research) was recently established to outline the future direction of AAC (eg. AAC director, funding support, equipment acquisition, grant applications). It is expected that facilities will be required to submit 5 y business plans to help this committee develop a new long-term sustainability model for the AAC. New budget models may be forthcoming.</p>
<p><b>Research Resources</b></p>	<p>Increase volume of data and usage statistics by 15%.</p> <p>Increase usage statistics in FY2018-19 by 15%.</p>	<p><i>NOTE: Figure projections for FY2018-19 were based on the expectation of the release/finalization of the new Tri-Agency data management policy and this did not occur.</i></p> <p>Data sets: 28 new data sets added in 2018-2019. The total size of deposited data was 78.28GB. Data sets number increased by 86%. This exceeded the target.</p>	<p>Increase volume of data deposit and download by 15%.</p> <p>Increase deposit statistics in FY2019-20 by 20%.</p>

	Increase number of researchers using the DMP Assistant in FY2018-19 by 15%.	Usage statistics: Number of downloads during FY2018-19 was 4,127. Download number increased by 258%, exceeded the target.  DMP: There were 128 users in FY2018-19 and 119 plans created. *Note: this number also includes users and plans created as part of a course. More importantly: Food from Thought and Ontario Agri-Food Innovation Alliance researchers all have DMP requirements moving forward. The number of researchers increased by 412%. The number of users exceeded the target. The number of plans increased by 644%. This also exceeded the target.	Increase number of researchers using the DMP Assistant in FY2019-20 by 15%.  Number of Library consultations done on research data management/DMP tool.
<b>Management and Administration of an institution's research enterprise</b>	Testing, piloting and rollout (go-live) of the second module, grants and contracts.	Significant progress was made on the development of the business process management tool (internal research database) for back office administrative data entry functions for grants and contracts processes. Go-live is scheduled for May 2019.	Roll-out (go-live) of back office business processing tool for grants and contracts for utilization by staff, stabilization of the tool (bug fixes), evaluation of the implementation, measurement of workflow improvements, refresher training for staff, and planning for future improvements and changes.
<b>Regulatory Requirement and Accreditation</b>	Initiate a committee of the compliance units (Research Risk, Ethics and Animal Care Services) to develop more consistent processes and identify improved	Committee of compliance units established with a mandate to share and implement best practices and apply a consistent approach in the processes of each unit.	Strengthen support for the Research Ethics Office through the addition of a second permanent research ethics coordinator position.
<b>Intellectual Property</b>	Maintain top five national ranking, in terms of inventions reported per research dollar.	For 2018-19, UG reported 206 inventions, with a 3-year average of 189. The 3-year average results in approximately 1 invention per \$0.8M of research, which places UG among the top Universities in the country in that category	Maintain top five national ranking, in terms of inventions reported per research dollar.