

Research Support Fund and Incremental Project Grant Performance Objectives 2023-2024

RSF Performance Objectives 2023-2024

Expenditure category	Institutional performance objective	Indicator	Output	Target Outcome	Reported Outcomes
Research facilities	Support the ongoing maintenance and operations of research facilities on campus	Total Square footage allocated to research	Portion of RSF funds invested to support this activity.	Total square footage devoted to research is equal to or more than in the previous year.	Total square footage devoted to research is equal to or more than in the previous year.
Research resources	Support the ongoing activities in MacOdrum Library	<ul style="list-style-type: none"> ➤ # MacOdrum Library resources (ie <i>open access journals hosted by the Library, uploads to Carleton University Institutional Repository (CURVE), datasets uploaded by Carleton-affiliated users to the Borealis platform, etc.</i>) ➤ # Research software users ➤ # Research support services (<i>workshops/attendees, consultations, in-kind grant commitments</i>); and ➤ Implementation of Research Data Management Strategy_ 	Portion of RSF funds invested to support these activities.	<ul style="list-style-type: none"> ➤ MacOdrum Library resources are equal to or greater than in the previous year; ➤ Accessibility of and demand for research software is equal or greater than in previous year; ➤ Research support services are equal to or greater than in the previous year; and ➤ Research Data Management strategy implemented. 	<ul style="list-style-type: none"> ➤ MacOdrum Library resources and accessibility of and demand for research software are equal to the previous year. ➤ 250,352 unique electronic journal subscriptions and over two million article downloads from major journal packages ➤ 1,235,663 views of the Library website (286,542 users) ➤ 521 graduate student theses and dissertations and 19 research publications deposited in CURVE ➤ 19 active open access journals hosted by the library and 3 in development ➤ 57 datasets deposited in Dataverse by Carleton authors ➤ 127NVivo consultations and 16 NVivo workshops with 226 attendees ➤ 229 systematic reviews conducted in Covidence and 596 Covidence authors ➤ 12 evidence synthesis consultation delivered by Library staff.
Management and administration of an institution's research enterprise	Provide Effective Research Administration	<ul style="list-style-type: none"> ➤ # personnel dedicated to post award administration and processing times ➤ # of awards processed ➤ # of successes in major competitions 	Portion of RSF funds invested to support this activity.	<ul style="list-style-type: none"> ➤ post-award support is equal to or greater than in the previous year ➤ # of awards and/or funding rate is equal to or greater than in the previous year. ➤ # of successes in major competitions from last year is equal to or greater than in the previous year 	<ul style="list-style-type: none"> ➤ Post-award support available to researchers is greater than in previous years ➤ # of awards and/or funding rate is equal to or greater than in the previous year ➤ Carleton achieved important successes in major funding opportunities; in prestigious provincial and federal prize and awards competitions and in securing foundation funding, including an NSERC CREATE, NFRF

				<p>International, SSHRC Impact Talent Award, Mastercard Foundation.</p> <ul style="list-style-type: none"> ➤ The number of awards submitted and processed has steadily increased over the last five years (970 in 2018 and 1145 in 2023), with this year being the highest, for a total 32% growth. 	
<p>Regulatory requirements and accreditation</p>	<p>Provide effective and timely support for human ethics and animal care compliance activities</p>	<ul style="list-style-type: none"> ➤ # of personnel dedicated to compliance ➤ # of active Ethics certificates ➤ # of ethics presentations 	<p>Portion of RSF funds invested to support this activity.</p>	<ul style="list-style-type: none"> ➤ # of new ethics protocols (human/animal care/biohazards) are equal to or greater than in previous years. ➤ Ethics presentations are equal to or greater than last year. 	<ul style="list-style-type: none"> ➤ # of new ethics protocols and ethics presentations are greater than last year. ➤ In total 2524 human ethics studies and amendments were processed ➤ 65 biohazards (BIO) applications and 188 Animal Care Committee (ACC) protocols were ➤ 17 CUREB human ethics and 5 ACC and BIO presentations were offered in addition to meetings upon request for new projects or first time applications. ➤ ACC committee has worked to improve and streamline reporting criteria for researchers. The Biohazards Committee continues to update application requirements to include any relevant regulatory changes.
<p>Intellectual property</p>	<p>Support commercialization activity on campus</p>	<ul style="list-style-type: none"> ➤ # of patent applications ➤ # of IP disclosures ➤ IP Education Program participation 	<p>Portion of RSF funds invested to support this activity.</p>	<ul style="list-style-type: none"> ➤ # of IP disclosures, patent applications and/or interactions is equal to or greater than in the previous year. ➤ Demand for and participation in certificate in IP Strategy course 	<ul style="list-style-type: none"> ➤ The #of IP disclosures, patent applications and interactions are equal to the previous year. ➤ 10 Technology Portfolios were supported; 4 new patent applications (2 provisional and 2 formal) were made and 3 patents were issued. ➤ 7 new IP disclosures were received and reviewed; 3 are moving ahead to new patent applications. ➤ IP education was provided to research facilitators as well as faculty, with a focus on supporting of provincial funding initiatives such as the ECR award. ➤ 2 IP presentations were provided by the IP Advisor from CIPO to classes of undergraduate and graduate students.

Incremental Project Grant 2023-2024 Outcomes

Project Title	IPG Priority Area	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported Outcome
Award Management Software Replacement	Information Resources	75% of funds invested	Improve the Award Management Software	<ul style="list-style-type: none"> ➤ Data Migration that maintains high data integrity during manual data migration; ➤ Development of data pipelines and APIs for seamless integration ➤ Integration of RMS to other reporting tools 	<ul style="list-style-type: none"> ➤ Improved reliability and capacity for storing, compiling and analyzing institutional data ➤ Great integration of award management system with other University systems-leading to more efficient and comprehensive institutional reporting within and outside the University ➤ User-friendly system allowing researchers greater ease and more self-sufficiency in accessing data related to their awards, including funding and reporting data. ➤ Efficiency gains in business processes leading to faster processing and stronger decision making. 	<ul style="list-style-type: none"> ➤ APIs were developed between the RMS system and some of the other existing University systems which will facilitate the user experience. ➤ Continued development of the RMS system's required fields towards an integrated system for award management that integrates real time financial management. ➤ Data migration and reclassification (where necessary) of all of Carleton's current research partner organizations and funders, as well as any previous partnering organizations within the past 8 years.
Intellectual Property and Commercialization Education	Innovation and Commercialization activities	25% of funds invested	Sensitizing researchers to IP and Commercialization processes and available support	<ul style="list-style-type: none"> ➤ Number of research security plans completed with administrative staff ➤ Number and impact of tools developed to guide researchers in conceptualizing and implementing their research programs and projects ➤ Faculty participation in research security risk knowledge mobilization ➤ Number of researchers supported 	<ul style="list-style-type: none"> ➤ Eligible grant applications submitted ➤ Specific risks identified and mitigated ➤ Strengthened expertise and knowledge related to research security risk management across the units that comprise the Office of the Vice-President, Research and International ➤ Coordinated development of tools to guide researchers in identifying and navigating emerging and on-going research security threats in planning and carrying out their research projects and programs ➤ Sensitization of faculty members through knowledge mobilization regarding research security risks 	<ul style="list-style-type: none"> ➤ IP education was provided to research facilitators as well as faculty, with a focus on supporting of provincial funding initiatives such as the ECR award. ➤ 2 IP presentations were provided by the IP Advisor from CIPO to classes of undergraduate and graduate students. ➤ 10 Technology Portfolios were supported; 4 new patent applications (2 provisional and 2 formal) were made and 3 patents were issued. ➤ 7 new IP disclosures were received and reviewed; 3 are moving ahead to new patent applications. ➤ Successful LOI (\$200k awarded) to support full application by a network of Ottawa-area PSI's for large NSERC-Lab to Market funding to create and deliver curricula to equip researchers with skills required to bring innovations to market.

				<ul style="list-style-type: none"> ➤ Number of rejected applications on security grounds 	<ul style="list-style-type: none"> ➤ Heightened security of research teams in the conceptualization and execution of research programs and projects ➤ Strengthened research security at our institution, thereby ensuring the safety of the researchers and the campus community 	<ul style="list-style-type: none"> ➤ 70 partnered research projects were submitted to NSERC which included 43 where risk assessment forms were completed and reviewed. ➤ 3 NSERC I2I applications were submitted, 2 of which were awarded (total value \$145,000); ➤ Agreements with partners for supported technologies: 2 license, 2 non-disclosure, 3 research agreements
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Research Security 2023-2024 Outcomes

Project Title	Output (investment of IPG grant funds)	Performance objective	Performance indicator	Target outcome	Reported Outcomes
Risk Assessment and Mitigation Support in VPRI	100% of funds invested	Support Risk Assessment for forging and nurturing domestic and international research partnerships	<ul style="list-style-type: none"> ➤ # of research security plans completed with administrative staff ➤ # and impact of tools developed to guide researchers in conceptualizing and implementing their research programs and projects ➤ Faculty participation in research security risk knowledge mobilization ➤ # of researchers supported ➤ # of rejected applications on security grounds 	<ul style="list-style-type: none"> ➤ Eligible grant applications submitted ➤ Specific risks identified and mitigated ➤ Strengthened expertise and knowledge related to research security risk management across the units that comprise the Office of the Vice-President, Research and International ➤ Coordinated development of tools to guide researchers in identifying and navigating emerging and on-going research security threats in planning and carrying out their research projects and programs ➤ Sensitization of faculty members through knowledge mobilization regarding research security risks ➤ Heightened security of research teams in the conceptualization and execution of research programs and projects ➤ Strengthened research security at our institution, thereby ensuring the safety of the researchers and the campus community 	<p>In 2023, Carleton hired a Director of Research Security who moved swiftly to support researchers in navigating, understanding and complying with the new mandatory federal and provincial research security policies and guidelines.</p> <p>The Director has engaged the Carleton community through briefings, presentations and tailored meetings, including with union representatives, researchers, faculties and staff at all levels of leadership.</p> <p>Carleton University has also presented several invitational events, such as the Research Security Town Halls hosted in February 2024 with presentations by three government agencies and the attendance of nearly 110 researchers and staff.</p> <p>A research security Community of Practice has been established for approximately 30 research support staff and stewards the body of knowledge, experience and expertise developed through both faculty and institutional-based research facilitations.</p> <p>By providing these supports and services, Carleton University has successfully guided researchers to conceptualize and implement research security conscientious programs and projects. For example, 42 of the 43 research security plans completed with administrative staff were successfully funded.</p>