

In 2022-2023, SFU received **\$7,221,790** in RSF grants, **\$1,078,709** in IPG funds, and an additional **\$477,405** in Research Security funds.

RESEARCH SUPPORT FUND OUTCOMES:

| | OBJECTIVES | INDICATORS | TARGET OUTCOMES | REPORTED OUTCOMES |
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| FACILITIES | Maintain and create modern, safe, sustainable, and well-equipped research facilities to support knowledge and creation exchange | Number of facilities maintained, supported, and managed | - Provide effective support, management, and maintenance to facilities to ensure high-quality research spaces | Target met. RSF successfully contributed to providing SFU facilities with effective support, management and maintenance to ensure high-quality and quantity of research space and technical support. This included support of SFU core facilities, such as the BIO3 Lab , 4D LABS , and ImageTech Lab . |
| RESEARCH RESOURCES | Facilitate research at undergraduate, graduate, and faculty levels by ubiquitous access to research and tools | - Amount and utilization of shared Library facilities and other research resources | - Maintain and increase access to research and tools, including electronic information resources - Optimize resources and support structures to maximize impact | Target met. RSF successfully contributed to maintaining and increasing access to research and tools (such as electronic information resources) and optimizing resources to support structures to maximize impact. Example: |

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| | | | | <p>RSF funding enables SFU to provide researchers with the tools and informational resources necessary to carry out their research programs. One such tool is SFU's Research Expertise Engine (REE), which is a database that has over 46,000 titles authored by SFU researchers, searchable by keyword, author, department or faculty.</p> |
| <p>MANAGEMENT & ADMIN</p> | <p>Maintain the effective operation of SFU's research enterprise by providing a wide range of research administration support mechanisms accessible to all</p> | <ul style="list-style-type: none"> - Quantity of funded research - Quality of research support and promotion | <ul style="list-style-type: none"> - Increase quantity and quality of funded research and research support - Increase effectiveness of information systems | <p>Target met.</p> <p>RSF supported the quality and quantity of funded research and research support.</p> <p>Example:</p> <p>RSF provides funding for SFU's Institutional Strategic Awards (ISA) staff. These positions help SFU researchers increase success, reduce administrative burden, and to make it possible for the university and SFU faculty to successfully compete for the most significant and prestigious grants, prizes and awards available, such as the Royal Society of Canada (8 SFU researchers were awarded in 2022).</p> <p>Story.</p> |
| | <p>Maintain the highest level of ethical and</p> | <p>Quantity and quality of compliance with</p> | <p>- Maintain compliance with the Canadian Council on</p> | <p>Target met.</p> |

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| REGULATORY REQUIREMENTS | safe conduct for research | regulatory, financial, and funding agency requirements | Animal Care and the Tri-Council Policy Statement - On-going regulatory and technical support | <p>RSF successfully contributed to compliance with CCAC, Tri-Council Policy Statement, and the quality and quantity of regulatory and technical support. RSF continues to provide support of regulatory bodies.</p> <p>Example:</p> <p>RSF supports staff members who work to ensure SFU's continued compliance with regulatory requirements; such as staff within Animal Care Services and Research Ethics.</p> |
| INTELLECTUAL PROPERTY & KNOWLEDGE MOBILIZATION | Transfer the results of our research to the broader society, including policymakers, civil society leaders and the community, for social and economic benefit | Increase in intellectual property, technology transfer, and knowledge mobilization activity | <ul style="list-style-type: none"> - Quantity and quality of IT/tech transfer activity - Recognition and promotion of SFU research and scholarship | <p>Target met.</p> <p>RSF successfully contributed to SFU's quantity and quality of IT/tech transfer activity. This funding contributes to positions that help support faculty, graduate students and university researchers in the strategic management of the intellectual property they generate through their inventions.</p> <p>Example:</p> <p>RSF supports SFU's Technology Licensing Office (TLO). TLO helps SFU researchers build effective working relationships with communities, industry, governments, NGOs and non-profits</p> |

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| | | | | to increase the solution capability of SFU innovators. |
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INCREMENTAL PROJECT GRANT OUTCOMES (including Research Security funds):

| IPG PROJECT AREA | PROJECT TITLE | OUTPUT (INVESTMENT OF IPG GRANT FUNDS) | PERFORMANCE OBJECTIVE | PERFORMANCE INDICATORS | TARGET OUTCOME | REPORTED OUTCOME |
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| INFORMATION RESOURCES, INCLUDING DIGITAL RESOURCES, OPEN ACCESS AND DATABASES | Research Administration Information Utility Systems | \$400,000 invested to develop and implement new research administration utility systems | Develop and implement custom-designed software solutions, or utility systems, to improve administrative data, administrative training, statistics and record-keeping, introduce automation, and improve analytics and communication capabilities | <ul style="list-style-type: none"> - Number of new modules/systems designed - Number of new modules/systems implemented - Number of modules/systems refined <i>Indicators as deemed relevant for each system:</i> <ul style="list-style-type: none"> - Number of records processed per utility system - Number of research projects supported | <ul style="list-style-type: none"> - Design and implementation of additional systems, several new modules - Measured success of the implemented systems and refinement of the systems | IPG funds contributed to the development and implementation of custom-designed software solutions to improve administrative data, training, statistics, record-keeping, automation, analytics and communication capabilities. These custom-designed solutions were adapted to the needs of the system's goals and users, while collectively fitting together as pieces within a greater utility system. |

- Numbers of administrative offices impacted
- Number of training courses completed

Metrics outcomes for this project include:

- 5 total systems/modules designed
- 4 total systems/modules implemented

For example, SFU's Research Expertise Engine began work on integrating Google Scholar research outputs into researchers' profiles, along with other backend enhancements to ensure that the system operated in a secure, efficient manner. An addition to our Canada Research Chair (CRC) system allows us to better track

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| | | | | | | information for our CRCs to ensure they are all treated equitably. Our Commitments system saw a few iterations which provides our finance and ISA teams a more reliable way to store and track data over time. The Centres and Institutes system had some changes to its business logic to better keep track of annual reporting to align with our policies. |
| INNOVATION AND COMMERCIALIZATION ACTIVITIES | Strategic Development of Innovation and Commercialization Partnership Support | \$678,709 invested to support development and growth of SFU VPRI's innovation and commercialization-focused units | Increasing SFU's capacity to develop key strategic partnerships, collaborations, and commercialization activities with community stakeholders to maximize innovation and community impact | <ul style="list-style-type: none"> - Development of an overall plan and structure to guide commercialization and innovation partnerships - Number of: leads generated; industry partners; government partners; IP policies created and/or revised; new positions hired and stakeholders actively | <ul style="list-style-type: none"> - Implementation of overall plan and structure - Percentage increase per year for performance indicators | 2022 - 2023 was an impressive year for SFU in terms of increasing engagement of university stakeholders around innovation activities; increasing SFU's reputation and credibility as a global innovation leader; developing and implementing |

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| | | | <p>engaged; amount of external funding to SFU facilitated; translational grants submitted/supported; and successful commercialization and innovation grant funding</p> <ul style="list-style-type: none"> - Targeted matchmaking events for industry and academics - Thought leadership and/or program leadership events supported, hosted or delivered by SFU Innovates, SFU VentureLabs, Chang Institute for Entrepreneurship, 4D LABS, the Technology Licensing Office and/or SFU's Partnerships Hub - Website development/inclusion to showcase research commercialization at SFU | <p>innovation engagement events and communications; developing internal and external partnerships; and securing outside funds towards advancing our research mobilization and innovation activities. We also made significant progress at growing internal units that provide formal support and resources to researchers for their commercialization activities and industry partnerships and at communicating our innovation. For instance, we expanded service offerings by our Technology Licensing Office to SFU members and created key new spinouts with licensing agreements. We received significant</p> |
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funding for the BC Centre for Agritech Innovation and SFU's Hydrogen Hub. In addition, SFU's Associate Vice-President, Knowledge Mobilization and Innovation, Dr. Elicia, Mane, received the 2022 Canadian Science Policy Centre Innovation Policy Trailblazer Award, and SFU was ranked as Canada's number one university for innovation and for industrial applications, and was ranked number one in the world for entrepreneurial spirit according to the 2022 World University Rankings for Innovation (formerly known as the World's Universities with Real Impact rankings).

Metrics outcomes for this project include:

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| | | | | | <ul style="list-style-type: none">- Development of an overall plan and structure to guide commercialization and innovation partnerships (strategy overview was developed)- Number of: leads generated (several hundred); industry partners (131); government partners (34); IP policies created and/or revised (IP policy revised and endorsed by IP Strategy Advisory Committee; awaiting SFU collective bargaining process); new positions hired (7) and stakeholders actively engaged (1,500+ audiences engaged at outreach events); amount of external funding to SFU facilitated (>\$10 million); translational grants submitted/supported |
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| | | | | | | <p>(5); and successful commercialization and innovation grant funding (3)</p> <p>- Targeted matchmaking events for industry and academics (10)</p> <p>- Thought leadership and/or program leadership events supported, hosted or delivered by SFU Innovates, SFU VentureLabs, Chang Institute for Entrepreneurship, 4D LABS, the TLO and/or the SPH (~40)</p> <p>- Website development/inclusion to showcase research commercialization at SFU (under development)</p> |
| Research Security | Research Security Capacity and Structure Development | \$477,405.06 invested for research security staff and | Start developing staff capacity, internal structure and tools to identify research | Create an information security office | Information security office established | Information security staff hired within IT services. |

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| | | cybersecurity tools | security needs and mitigate risks | Number of significant research security tools rolled out | and populated with staff | <p>Roll out at least two substantial tools that benefit research security efforts</p> <p>Rolled out two research security tools: 1) a Cybersecurity Awareness Training program to help SFU researchers better understand how to protect research and private information at SFU; and 2) An Endpoint Detection & Response system to help SFU more quickly identify and mitigate potential security breaches, including those that could impact SFU research.</p> |
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