

COVER PAGE

PROJECT INFORMATION

Please complete the fields below with information regarding your project.

Project Title Student Support for impact200 -The Bicentennial Student Sustainability Challenge

Brief Description impact200 is a student-focused challenge aimed at changing the sustainability of our campuses, Montreal, and the world. This project seeks to help support students in developing their proposals.

Total Estimated Project Budget \$450,000 **Estimated Amount Requested from SPF (\$100-\$400K)** \$250,000

Campus(es) Impacted Downtown Macdonald Gault Nature Reserve Other Bellairs and Outaouais

CONTACT INFORMATION

Project Leader

This person must be a current McGill University student, administrative staff, or academic staff.

Name	<u>Gérald Cadet</u>	Affiliation	<u>Administrative Staff</u>
Phone	<u>514-567-1512</u>	Faculty/Unit/Organization	<u>Comms & Ext.</u>
Email	<u>gerald.cadet@mcgill.ca</u>	Campus	<u>Downtown</u>

Project Team Members

The SPF encourages you to be inclusive, collaborative (especially between staff and students), diverse, and interdisciplinary when possible. To list more members, please complete a second cover page. You may e-mail it to SPF Staff to include with your application.

Name	<u>Ricarda Haeger</u>	Affiliation	<u>Postgraduate</u>
Email	<u>ricarda.haeger@mail.mcgill.ca</u>	Faculty/Unit/Organization	<u>Faculty of Education</u>
Name	<u>Heather McShane</u>	Affiliation	<u>Administrative Staff</u>
Email	<u>heather.mcshane@mcgill.ca</u>	Faculty/Unit/Organization	<u>MSSI</u>
Name	<u>Klara Winkler</u>	Affiliation	<u>Postgraduate</u>
Email	<u>klara.winkler@mcgill.ca</u>	Faculty/Unit/Organization	<u>FAES</u>
Name	<u>Penny Beames</u>	Affiliation	<u>Postgraduate</u>
Email	<u>penny.beames@mail.mcgill.ca</u>	Faculty/Unit/Organization	<u>Faculty of Science</u>
Name	<u>Michelle Pelletier</u>	Affiliation	<u>Undergraduate</u>
Email	<u>michelle.pelletier@mail.mcgill.ca</u>	Faculty/Unit/Organization	<u>Fac. of Engineering</u>

SUBMISSION INFORMATION

In line with the [SPF Eligibility Criteria](#), our team certifies that this project will take place at McGill University, is sustainability focused, is requesting seed funding, and is action oriented.

Yes No

Our team has read the [SPF Terms & Conditions](#) and agrees to respect them.

Yes No

Our team understands that this application is not confidential and consents to have its contents shared with relevant stakeholders during the review process if needed.

Yes No

BIG WAVE (\$100,000-\$400,000) PRE-APPLICATION FORM

Instructions: Please answer the questions below as clearly and concisely as possible. You will be able to detail your project further in an official application should your proposal be accepted. Once you have completed this form, save it and submit it online. SPF Staff will respond with feedback on your application within 2 weeks. Once the document is finalized, it will be provided to the SPF Governance Council for their review and decision. As a reminder, all SPF applications are assessed using the [SPF Eligibility & Evaluation Criteria](#):

ELIGIBILITY CRITERIA		EVALUATION CRITERIA		
AT MCGILL	SUSTAINABILITY FOCUSED	ANALYSIS	IMPACT	FEASIBILITY
SEED FUNDING	ACTION ORIENTED	COLLABORATION	SUPPORT	CAPACITY BUILDING

Before starting, you may find it helpful to consult the [SPF Sustainability Brief](#) and [Vision 2020 Climate & Sustainability Action Plan](#).

PROJECT IDEA

Criteria assessed

in this section: **ALL ELIGIBILITY & EVALUATION CRITERIA**

- 1. What is your project idea? In your response, please describe how the idea will help contribute to sustainability at McGill. Describe the idea thoroughly and concisely, outlining the key activities and anticipated timeline. Limit ~600 Words**

We are seeking SPF Big Wave funding to provide support to the students and young alumni who have presented the best projects at impact200, the Bicentennial Student Sustainability Challenge, to sustainably transform all McGill campuses, Montreal, Canada, and the world over the next 50 years.

The Bicentennial Office, in partnership with the McGill Sustainability Systems Initiative, the Office of Sustainability, the Dobson Centre for Entrepreneurship and representatives of the Faculty of Agriculture and Environmental Sciences, is organizing impact200, the Bicentennial Student Sustainability Challenge. impact200 is a sustainability-centred initiative which offers McGill students and alumni who've graduated since 2018 the opportunity to engage in innovative projects pertaining to the sustainability of our campuses, Montreal, Quebec, Canada, and the world. Participants are invited to form teams of three to six people and submit ideas or projects based on the UN's seventeen Sustainable Development Goals.

An online platform is made available to participants in order to facilitate team formation, communication, planning, idea sharing, and collaboration. Teams have until December 1st, 2020, to submit an initial proposal. Following these submissions, thirty teams will be selected as semi-finalists in mid-December 2020. Semi-finalists will have until February 26th, 2021 to submit a more indepth proposal, which will also include a brief video and poster presenting their project. They will be invited to present their project to a jury composed of experts from various fields in early March 2021. In late March 2021, ten teams will be selected. From May to August 2021, the finalists will work on their projects by developing a proof of concept. In early November 2021, teams will make a final presentation of their project. In late November 2021, a gala will crown the winning teams. Following the challenge, finalist teams will be offered the opportunity to strengthen their project through a special training program provided by the Dobson Centre, in order to bring their proof of concept to reality.

Projects will range from creating green spaces on certain McGill rooftops to creating biodegradable gloves for students and technicians working in our labs. The Bicentennial team will act as an institutional liaison between teams and key University stakeholders in order to ensure that teams receive the administrative support they need to further their project and to succeed. impact200 projects are expected to bring education, conversations, and engagement around sustainability to the forefront of McGill's Bicentennial, building in turn towards transformative

student involvement on campus. Our goal is that many of the impact200 projects go on to become Bright Spots, sustainability-related projects that are scaled up and lead to significant changes on campus and across communities.

In designing impact200, we are seeking to prioritize student equity, accessibility, and interdisciplinarity. Students from the entire McGill student body have the ability to register completely online, and work with students who are from outside of their own faculty. The goal of our Big Wave application is to better financially empower students and young alumni who have presented the top projects, such that students from all backgrounds can participate.

More specifically, we want to use the funding to provide a \$ 5,000 stipend to each of the 40 possible finalist team members, and to provide \$5,000 to each team to help them develop their proof of concept over the summer of 2021. In the current context of a global pandemic, we realize how difficult it is for students to find good paying jobs. Through the financial support the finalists will receive, we want to ensure that they can devote their full attention to their project during the Summer of 2021.

- 2. What will be the impact of your project? If applicable, have you considered scaling the project to create impact at the university level?** *Note: Big Wave projects should have a significant impact on the McGill community and/or operations. Limit ~200 Words*

The main impact of the Challenge is to engage the University's whole student body and encourage it to think more broadly about sustainability. We are asking students to think long term (up to 50 years into the future). Among the other impacts of the Challenge, we note the following: encourage McGill students and young alumni to conceive innovative solutions to real world problems; support student-employability and future-readiness by building the skills to adapt to a changing world; create active learning opportunities for students and offer participants an opportunity to make a concrete difference; finally, offering participants meaningful mentoring and enduring engagement opportunities with internal and external stakeholders.

While the Challenge is only open to students and young alumni, it will also have a major impact on the McGill community as a whole. Hundreds of faculty, alumni, and staff can serve as mentors throughout the Challenge.

Furthermore, in the wake of McGill's 200-year anniversary, impact200 will help promote and incorporate more students into on-campus conversations and activities involving the sustainable future of the University. The legacies of projects whose focus could range from physical or operational changes to the McGill campus spaces, to community change in Montreal, or even to policy proposals with global ramifications, will foster engagement with sustainability for years to come.

- 3. Identify 3 key stakeholders that will be involved in or impacted by the project. Please attach a letter from these stakeholders indicating that they support your work towards developing the project. These stakeholders must be diverse and should include at least one student group and one university staff/faculty group.** *Note: Projects involving modifying a campus space, making an installation, hiring a full-time staff member, etc. must seek permission from the appropriate stakeholder(s) in advance. (e.g. Building director, Campus Planning and Development Office, supervisor, etc.)*

Stakeholder's Name	Title	Role in the Project
Bruce Lennox	Dean, Faculty of Science	Ambassador and mentor to students
Michelle Pelletier	Student, 2 nd year Engineering	VP logistics, impact200 Student Advisory team
Heather McShane	Program Director & Catalyst-in-Chief,	Member of the Project's steering committee

- 4. What is your estimated total project budget? Briefly list the main categories of expenditure and the corresponding funding amounts.** *Limit ~200 Words*

The total budget for impact 200 is estimated at about \$450,000

Main expenditures:

- 1) Student/young alumni support and team funding: \$250,000;
- 2) Poster exhibition: 35,000\$;
- 3) Online platform and communications: 83,000\$;
- 5) Semi-finals and finals pitches \$15,000
- 6) Finals Gala: \$15,000;
- 7) Finals' Prizes: \$30,000
- 8) Marketing: \$10,000
- 9) Contingency: \$10,000
- 10) Carbon offset and insurance: \$2,000

5. **Why is funding needed from the SPF? Have you requested or do you anticipate requesting funding from other sources? If applicable, please list the sources and the estimated amounts in your response.** *Note: if your project involves cost savings or reductions for future years, a financial model will be required in the full application. Limit ~200 Words*

Funding is being requested from the SPF Big Wave for the following purpose(s):

- 1) Finalists stipends - \$ 200,000 (40 people @ \$5,000/person) *
- 2) Finalist teams funding for proof of concept - \$ 50,000 (10 teams @ \$5,000/team)

*Please note that while the presence of a stipend has been announced on the Bicentennial website, this exact amount has not yet been published or promised, in order to provide flexibility throughout this application process.

We have requested funding from other sources. Funding sources:

- 1) Bicentennial Office: \$24,000
- 2) Private sponsorships: \$120,000
- 2) Dean of Science: \$36,000
- 3) Dean of Arts Development Fund: \$20,000
- 4) Principal's Office: \$10,000

PROJECT PLANNING

Criteria assessed

in this section: **ALL ELIGIBILITY & EVALUATION CRITERIA**

While most projects do not need financial support for the planning phase, as part of the Big Wave funding stream, you may request funding for project planning in addition to implementation. Please note an approval of planning funding does not guarantee funding for project implementation. After your planning is complete, you will either be required to complete a report or submit a full application, which is required to access implementation funding. Additionally, planning funding is considered part of the total project funding; therefore, the total combined funding requested should be less than or equal to \$400,000.

6. **Is your project ready to be reviewed in a full application by the SPF Governance Council if requested? You will have a maximum of one year to complete a full application after receiving a request.**

- Yes, we have already assessed the project thoroughly and would like to submit a full application at this time.
- No, we haven't yet fully designed the project and need to further plan the project (e.g. through a community consultation process, design phase, feasibility study, or other project planning activities.) before submitting a full application.

7. If you answered no to question 6 and need support to complete the planning process, please detail the following:

- a brief explanation of the need for project planning funding,
- a plan for this phase with key activities and timeline,
- the main expenditures for this phase along with their corresponding amounts, and
- the expected outcome from this phase of the project.

Limit ~600 Words

APPENDIX

Relevant Support Documents

List any appendix documents in order in the table below.

Please keep the total number of pages as low as possible (recommended max 10). Please include any relevant support letters.

Doc #	Appendix Document Title	# of Pages
1	Presentation of impact 200	7
2	Letter of support - Dean of Science	1
3	Letter of support - Dean of	1
4	Letter of support - Student advisory committee member	1
5		



impact **200**

**Bicentennial
Student
Sustainability
Challenge**
06/2020-11/2021



McGill

What is **impact 200**?

Through **impact 200**, McGill is inviting its current **students and recent alumni** (graduated since Spring 2018) from all faculties to **propose sustainability related ideas or projects** that could be **transformative of our university, Montreal, Quebec, Canada, or internationally**. These ideas or projects will potentially become **Bright Spots**.



impact 200 goals



- Encourage our students to conceive **innovative solutions** to real world challenges

- **Foster engagement and participation** of students and young alumni in the celebrations



- Create **active learning opportunities** for students
- Offer students meaningful **mentoring** and **engagement** opportunities with various stakeholder groups (government, industry, alumni, faculty, staff, etc.)

Team structure



Eligibility

- Be a current student (including post-docs) or graduated since Spring 2018
- Ideas or projects that have been submitted to other McGill competition or funding opportunities are eligible
- McGill Staff, Faculty, **impact 200** steering committee members, and student advisory committee members are not eligible.



Team size

Minimum number of team members is three (3), and a maximum of six (6) people.

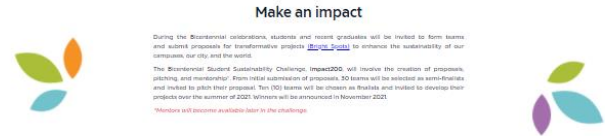


Interdisciplinarity

Recommended that teams be composed of students from multiple faculties, as interdisciplinarity increases likelihood of stronger proposals.

How to enter impact200

1. Registration and creation of participant profile on impact200's website:
www.impact200.agorize-platform.com
2. Participants create or join a team
3. Submission of a sustainability-related proposal addressing one or multiple **United Nations' Sustainable Development Goals**



Choose your goal(s)



Challenge Timeline

Round
1

Participants submit their **initial sustainability project proposal by November 17th** and a maximum of **thirty semi-finalists are announced in mid-December 2020**.

Round
2

These 30 teams further develop their proposal, including a **one-minute video presentation, and a poster to be displayed as part of the exhibition component of the challenge during the summer of 2021**. In March 2021, McGill's Anniversary month, the teams will be invited to a **10-minute presentation to a panel of judges**. **Ten teams** are selected to move to the **final round**.

Round
3

The **teams are invited to develop their final proposal** and final presentation over the **summer of 2021**. Team members may be **eligible for a stipend to cover living expenses**. **Additionally, each team will receive up to 5,000\$ to cover costs to develop final proposal** (ex.: proof of concept) and presentation. The **finalist presentations take place in November 2021** and **winners are announced during a closing gala ceremony**.

Governance structure

Administrative Representatives, Faculty, Students, & Other Partners:

STEERING COMMITTEE

STUDENTS

Ten students recruited (Student Advisory Committee)

MSSI

McGill Sustainability Systems Initiative

MOOS

Office of Sustainability

Dobson Centre for Entrepreneurship

Dobson Cup

Faculty of Agricultural and Environmental Sciences

INTERNAL PARTNERS

Deputy Provost

Student Life & Learning

Associate Provosts Teaching & Academic Programs

Undergraduate Student societies

Faculties

SSMU & PGSS

Thank you!

1827
MADE
2021



McGill



Faculty of
Science

Faculté des
sciences

Sept. 30, 2020

Dear SPF Governance Council,

On behalf of the Faculty of Science, I am writing to express my very strong support for the Bicentennial's Student Sustainability Challenge (BSSC) – **impact200**.

The Faculty of Science strives to offer its students and, peripherally, the larger McGill community new streams of opportunity to develop skills and project development experience. Beyond their formal studies, extracurricular development is highly encouraged by the Faculty. My personal commitment to the the Bicentennial Sustainability Challenge is high as I have offered to serve as an Ambassador and Mentor to the Challenge. The Faculty parallel commitment is similarly significant, with a pledge of \$36,000 toward support of student stipends and awards from our SURA and related programs.

It is my belief that the wide-scale sustainability challenge, as led by the Bicentennial Planning Office, and organized by the BSSC Committee has the ability to make significant changes through student engagement, skill development, talent readiness etc. as well as to lead to wide-reaching changes on higher level. In addition to initiating new interdisciplinary connections, the project has the potential to substantially change McGill's student involvement in the University's sustainability goals and initiatives.

A key factor to the success of this challenge is ensuring that each contending finalist team has a fair chance at developing their project idea throughout Summer 2021. This is why Science has committed to providing six internships to finalists. However, additional financial support is still needed, and therefore, I fully encourage the Committee's request for funding support from the Sustainability Projects Fund.

Regards,

A handwritten signature in black ink that reads "R. Bruce Lennox".

R. Bruce Lennox

Dean of Science

Office of the Dean

McGill University
853 Sherbrooke Street West
Montreal, Quebec, Canada H3A 0G5

Bureau du Doyen

Université McGill
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T: 514 398-4211
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<http://www.mcgill.ca/science>

Dear SPF Governing Council,

As the Program Director and Catalyst-in-Chief of the McGill Sustainability Systems Initiative (MSSI), I wish to voice my support for the Bicentennial Student Sustainability Challenge: **impact200**.

The MSSI brings together experts from across McGill's faculties, and provides support and seed funding for transdisciplinary teams to tackle some of the most complex and challenging issues in sustainability. This is exactly what **impact200** aims to do for our students, while encouraging a multi-disciplinary, multi-sector approach to sustainability.

It is in my opinion that to ensure the success of this challenge, in addition to mentorship and workshops, proper funding must be provided to our students. This will in turn allow them to access the resources needed to develop their projects and increase the likeliness of these projects to have a meaningful and long-lasting impact. I therefore strongly encourage and support the committee's request for funding from the Sustainability Projects Fund.

Kind regards,

Heather McShane

Heather McShane Ph.D.

Program Director & Catalyst-in-Chief, McGill Sustainability Systems Initiative (MSSI)
McGill University, Adams Building #23, 3450 University Street, Montreal, Quebec, Canada H3A 0E8
Tel: +1 514 398 ,6522 | Website: <https://www.mcgill.ca/mssi/>



McGill
Sustainability
Systems
Initiative

Initiative
Systémique de
McGill sur la
Durabilité

September 29th, 2020

Dear SPF Governing Council,

In my capacity as VP Logistics for **impact200** and McGill student in the Faculty of Engineering, I wish to express my support for the Bicentennial Student Sustainability Challenge.

I joined the Student Advisory Team in Fall 2019 as I saw a unique opportunity to promote both sustainability and creativity among McGill's diverse community. Through this challenge, I am hoping to see students from different backgrounds and faculties come together to tackle our world's most pressing issues, while also gaining experience in building a project from the ground up.

An important factor to the success of **impact200** is to ensure that each finalist team has access to resources to develop their project idea—this would require financial support. As a student struggling to find employment opportunities, I can truly appreciate how impactful your funding would be for the Challenge's finalists. I fully encourage the committee's request for funding support from the Sustainability Projects Fund.

Kind regards,

A handwritten signature in black ink that reads "Michelle Pelletier". The signature is written in a cursive, flowing style.

Michelle Pelletier (260927819)
VP Logistics, **impact200**

