

2022 CLIMATE CHANGE REPORT

Action in the Face of a Climate Crisis



uOttawa

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Land acknowledgment

Ni manàdjiyànànig Màmìwininì Anishinàbeg, ogog kà nàgadawàbandadjig iyo akì eko weshkad. Ako nongom egawikàd kì mìgiwewàdj.

Ni manàdjiyànànig kakina Anishinàbeg ondaje kaye ogog kakina eniyagizidjig enigokamigàg Kanadàng eji ondàpinangig endàwàdjìn Odàwàng.

Ninisidawinawànànig kenawendamòdjig kije kikenindamàwin; weshkinìgidjig kaye kejeyàdizidjig.

Nigijeweninmànànig ogog kà nìgànì sòngideyedjig; weshkad, nongom; kaye àyànikàdj.

Nous rendons hommage au peuple algonquin, gardien traditionnel de cette terre. Nous reconnaissons le lien sacré de longue date l'unissant à ce territoire, qui demeure non cédé. Nous rendons également hommage à toutes les personnes autochtones qui habitent Ottawa, qu'elles soient de la région ou d'ailleurs au Canada. Nous reconnaissons les gardiennes et gardiens des savoirs traditionnels de tous âges. Nous honorons aussi leurs dirigeantes et dirigeants d'hier, d'aujourd'hui et de demain, au courage indéniable.

We pay respect to the Algonquin people, who are the traditional guardians of this land. We acknowledge their longstanding relationship with this territory, which remains unceded. We pay respect to all Indigenous people in this region, from all nations across Canada, who call Ottawa home. We acknowledge the traditional knowledge keepers, both young and old. And we honour their courageous leaders, past, present and future.



Message from the president

We are all aware that climate change is challenging the entire global community, causing more frequent extreme weather events, rising sea levels and risks to wildlife. Without action, our planet's climate will continue to fluctuate, with a devastating impact to which no one will be immune. There is substantial work to be done.

Institutions of higher learning have an active responsibility to prepare students and society to mitigate and adapt to climate change. From our teaching programs to our experiential learning opportunities, from the dissemination of our research to our interdisciplinary collaborations with NGOs and community groups, we must make every effort to educate, inform and engage.

At the University of Ottawa, we are focused on creative solutions. We are continuously taking inventory of what we offer, how we work and in what way we can better ourselves and elevate our contributions. Climate action and reducing our carbon footprint through sustainable actions remain top of mind. This is evident in our decision to divest from fossil fuels, in our vision to become a zero-waste campus and in the growth of our greenspaces — we are striving to rise to the occasion and persist in our efforts to support positive climate outcomes.



Jacques Frémont

Climate at the heart of learning

The University of Ottawa recognizes its role in advancing knowledge about climate change through its academic programs. Our holistic approach to addressing climate change means not only focusing on what is taught in the classroom, but also leveraging other learning and research vehicles available. By offering a variety of learning opportunities, we can broaden and strengthen knowledge about the changing climate and how it affects the people on our planet. We can equip our students with the knowledge and tools they need to find and implement solutions to the climate crisis.

In 2020, the COVID-19 pandemic brought most of the world to a standstill. Although some activities were severely reduced, the University of Ottawa continued its essential research in person, while courses were delivered online. The University was able to pivot and offer additional learning opportunities, which included sustainability- and climate-related themes.



Teaching program

Learning about climate change through course content is one of the most important ways we mobilize knowledge for the campus community. Every year, dozens of courses are offered that focus on climate change (as part of 627 sustainability focused or inclusive courses offered). These courses cut across all faculties and help our students understand and frame the context of climate change today. In 2021, 59 courses were identified as having a focus on climate change. (See “*Climate course inventory*” in the appendix)

In 2021, our Faculty of Arts introduced the first program in Canada on the Anthropocene, a special microprogram investigating the human impact on the environment, with a focus on biodiversity loss and climate change. This program is connected to the new University Research Chair on the Urban Anthropocene held jointly with the Université de Lyon’s École urbaine. This program is an example of how uOttawa is adapting its academic offerings to reflect the need to learn more about the climate crisis and help our students rethink our impact on the planet while searching for new solutions.

Climate course inventory

Science



16

Social Sciences



14

Arts



9

Institute of the Environment



7

Engineering



5

Law



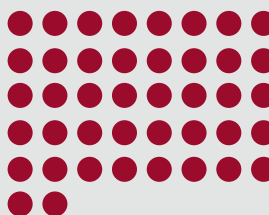
4

Health Sciences



4

Undergraduate



38

Graduate



20

Research activities

As one of Canada's most research-intensive campuses, the University of Ottawa is making efforts to understand the impact of the warming environment, moving beyond the classroom into the laboratory and out into the field. This continues our proud tradition of research founded on excellence, relevance and impact. University researchers are working to understand how to reduce our contribution to climate change and how our changing environment will affect the broader economy, the natural world and the places where we live.

Between 2020 and 2022, researchers at the University of Ottawa published 40 research papers relating to climate change. The topics covered range from the physical impact of climate change on the environment to the ways climate change is understood by Canadians. Members of the University of Ottawa's Positive Energy group (part of the Institute for Science, Society and Policy) authored the majority of this research. (See "*Climate published research*" in the appendix.)

Climate published research

Social Sciences



21

Science



6

Arts



5

Engineering



4

Health Sciences



2

In terms of active research, there are currently 138 projects related to climate change, totalling over \$16 million in funding from various granting agencies. This research runs the gamut from the evolution of Arctic governance, to studying tick population changes, to food security issues related to climate change. It is at the forefront of climate knowledge, both in the Ottawa region and elsewhere. It is helping researchers map the impact of this climate crisis, and helping the public better understand how to adapt. (See "*Active research projects*" in the appendix.)

Research activities

Social Sciences



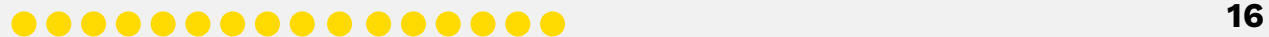
Engineering



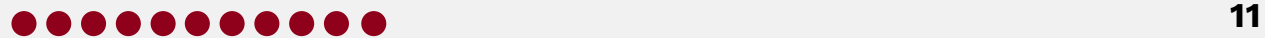
Arts



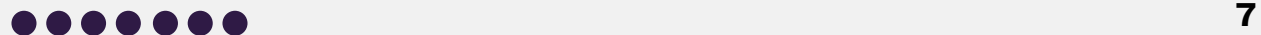
Science



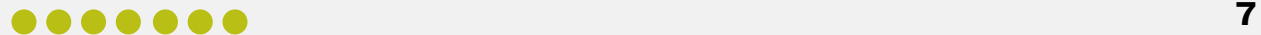
Telfer



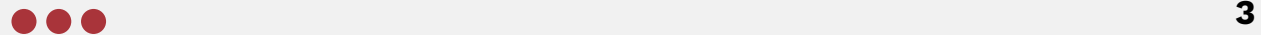
Medicine



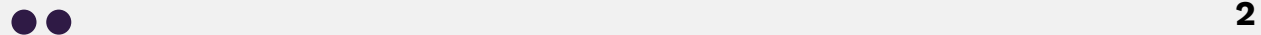
Health Sciences



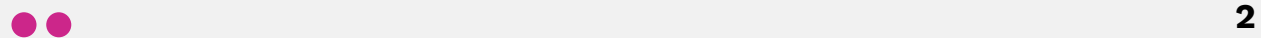
Law



Education



VP Research



Research chairs

University of Ottawa research chairs support research excellence and knowledge creation aligned with our strategic priorities. There are 13 research chairs at the University working on topics either directly or closely related to climate change. Their innovative research is helping to inform policymakers and improve society's understanding of the impact of the changing climate across many disciplines. (See “Climate-related research chairs” in the appendix.)



Tom Baker



Jeremy T. Kerr



Jackie Dawson



Vincent Mirza



Luke Copland



Ghassan Jabbour



Karin Hinzer

Benoit Hugo
Lessard

Trevor J. Hall



Carolynn Fischer



Kelly Bronson



Anthony Heyes

Support for research

The uOttawa Library supports research at all stages of the research cycle, including on climate change, through geographical information systems and data support, knowledge synthesis services and literature searching. The Library's collection includes many journals, films, databases and other resources that support climate change research. Some notable sources include the CABI Environmental Impact database, the Global Environmental Justice documentary and film collection, and journals like *Nature Climate Change*, *Science of the Total Environment* and *Climatic Change*.

Additionally, the Library provides access to innumerable interdisciplinary databases covering related topics such as earth sciences, geography and political science. Some examples of these resources include Web of Science, SCOPUS, the Environmental Studies and Policy collection, Geobase and GreenFILE.

Experiential learning

There are many forms of learning. The University of Ottawa embraces experiential learning, which offers students a unique opportunity to engage with subject matter and course work in a more hands-on way. The Community Engagement Group at the University of Ottawa offers a variety of community service learning placements and extracurricular volunteering opportunities. This benefits students, while allowing community members to benefit from students' involvement.

Between 2020 and 2022, there were 250 placements relating to sustainability and climate change. Students filled 1,396 separate positions supporting the work of 68 universities, NGOs and community groups. This offered students the opportunity to critically reflect on the impact of climate change. (See "*Climate-related Community Service Learning placements*" in the appendix.)



250

placements



1,396

participants



68

community
partners

Dr. Glen Kenny's research related to climate change for the Faculty of Health Sciences has been instrumental in creating new and advanced knowledge, monitoring technologies, policies, standards and guidelines for physical activity and work in hot environments, including exposure limits, hydration requirements, clothing systems, cooling interventions and heat management strategies. Over the past 10 years, Dr. Kenny has attracted a yearly average of \$780,000 in research funds.



One of the Faculty of Engineering's five pillars is sustainable, resilient infrastructure. Faculty researchers work with sustainability in mind. Their goal is to reduce our environmental footprint and be faithful stewards of our planet and its people.

Engineering researchers work with industry and other partners to find solutions in areas such as net zero buildings, sustainable materials, renewable energy, transportation systems, CO2 capture and storage, and communications networks. We estimate that half of the faculty's \$9.5 million in research funds is tied to climate change-related research.

In 2021, as part of its 2020–2025 Strategic Plan, “Leading Innovation for a Healthier World,” the Faculty of Medicine launched a planetary health initiative, appointing Dr. Husein Moloo as its director of planetary health. This was a first in North America for a medical school. It was received with great enthusiasm from internal and external stakeholders, with some media coverage.

Since then, numerous ongoing projects have emerged from a research, educational and advocacy perspective, including a Planetary Health Council involving all faculty departments, integrating planetary health longitudinally into the medical school curriculum and creating a Faculty of Medicine internal grant program for Green Ideas in Research.



The dean of the Faculty of Education helped co-author the Accord on Education for a Sustainable Future, a call to action for faculties of education around the country.

“We, Deans, Directors, and Chairs of Education from all regions of Canada are deeply concerned about the climate emergency and environmental crisis. Local, regional, and global air and water pollution; extractive technologies; accumulation and distribution of toxic wastes; destruction and depletion of forests, soil, and water threaten the survival of the planet, the integrity of the earth and its biodiversity, the security of nations, Indigenous peoples, and future generations.”

Mobilizing knowledge and inspiring the community

External Relations (Office of Communications and Government Relations — OCGR)

Through various fundraising communications and media relations initiatives, including research promotion, the Office of Communications and Government Relations is helping the University of Ottawa community in the fight against climate change by ensuring that the University's expertise on this matter is felt around the globe.

Although COVID-19 affected the ability of the University to provide in-person social programming, events were still held virtually to keep the community engaged, including a workshop offered during Wellness Week (and on other occasions) with alumna Valérie Leloup, founder of Nu Grocery, Ottawa's zero-waste grocery store, which helped the community learn how to live sustainably.

In 2021, the University of Ottawa celebrated Earth Day in a big way, and External Relations helped take the lead by highlighting the work of four sustainable companies that have sprouted out of uOttawa. The fingerprints of the tremendous climate work of uOttawa alumni are visible all over Ottawa.

Read more: [4 Sustainable Companies That Have Sprouted at uOttawa](#)



Promoting uOttawa's climate researchers and experts

Throughout the year, the media team promotes our research and our experts able to comment on current events. Over the past two years, the pandemic took over the narrative, but the University still promoted its climate and environmental research and experts to media on occasions such as Earth Day, COP meetings, IPCC reports and elections (environmental issues, climate change and environmental strategy of political parties), for a total of over 50,000 media mentions.

In summer 2022, the uOttawa media relations team devised an aggressive media outreach strategy focused on the impact of climate change. A climate change special edition of the Gazette was created to position the University as a thought-leader and source of invaluable research on this matter. It was a mix of expert commentary and research promotion that looked at topics such as heat waves, droughts, climate anxiety, melting glaciers, sustainability and government policies on climate. It resulted in some nearly 9,000 mentions across the globe, including in the U.K. (The Guardian), France (Le Monde), and the U.S. (New York Times). This resulted in a 71% increase in mentions versus the same time the previous year.

Notably, the first major contribution to the uOttawa reIMAGINE campaign was a \$2 million donation from the Jarislowsky Foundation to create a new Jarislowsky Chair in Clean Economy and Innovation. The University matched the contribution, making for a total of \$4 million, surpassing the Clean Innovation Research Fund's goal. This research chair is an activist chair that will help the University influence economic policies that deliver real-world solutions to the challenge of transitioning to a low-carbon economy.

Read more: [Clean economy and innovation chair tackles sustainable economic solutions](#)

Another major donation was made by the Gauthier Family to create the Sustainable Cities Initiative. This \$1 million donation will fund a five-year research program focused on achieving sustainable cities. The program will encourage interdisciplinary research that not only addresses challenges associated with a warming climate, but also look towards a more environmentally and socially sustainable urban future.

Read more: [University of Ottawa Faculty of Arts launches sustainable cities initiative thanks to \\$1 million donation](#)

External Relations also leads fundraising efforts for climate-related initiatives, not only for large donors, but also to support the smaller, but no less critical, programs across the campus. These funds help pay for learning experiences, research chairs and sustainability projects. Between 2020 and 2022, \$1.2 million was collected and distributed to 13 funds on campus. This is in addition to the \$3 million from the Jarislowsky Foundation and the Gauthier Family.

Leading the way on these donations is the Positive Energy group, which is doing the important work of bringing dialogue to the climate discussion. The group uses the convening power of the University to bring together academic researchers and senior decision-makers from industry, government, Indigenous communities, local communities and environmental organizations to determine how to strengthen public confidence in energy decision-making.



Smart Prosperity Institute

The Smart Prosperity Institute is a national research network and policy think tank based at the University of Ottawa. It advances thinking on innovation in policy and markets in pursuit of a greener, more competitive Canadian economy. This work helps not only to raise awareness about the climate crisis, but also to engage the community in creating wide-ranging solutions.

Between 2020 and 2022, the institute published dozens of reports in the pursuit of its mission. This includes 25 reports focusing on climate, with another 23 strongly linked to climate. The institute also pursues a full suite of activities beyond research, including convening, government briefings, student training, funding research projects and more. (See “Smart Prosperity Reports 2020–22” in the appendix.)



SMART PROSPERITY
LEADERS' INITIATIVE



ACCELERATING
CLEAN INNOVATION
IN CANADA



SMART PROSPERITY
RESEARCH NETWORK



ECONOMIC TOOLS
FOR CITIES AND
COMMUNITIES



VALUING AND
PROTECTING NATURE



TRANSITION TO A LOW
CARBON ECONOMY



BUILDING THE
CIRCULAR ECONOMY



SUSTAINABLE
FINANCING



HEALTH, NATURE,
CONSERVATION AND
CLIMATE ACTION

Investing in our future

The uOttawa journey of responsible investing and climate change actions with regard to its long-term investment portfolios dates back to 2012, when we were Canada's first university to sign the United Nations Principles of Responsible Investing. In 2015, we were also the first Canadian university to sign the Montreal Carbon Pledge, committing to measuring and publishing the carbon footprint of our portfolios each year.

The following year, in 2016, a comprehensive and holistic climate change strategy was established and approved by uOttawa's Board of Governors. This strategy included steps to gradually tilt the portfolios away from fossil fuels and establish a framework to measure shifts in this direction.





In 2020, along with 14 other universities, uOttawa pledged support for a new responsible investing charter, Investing to Address Climate: A Charter for Canadian Universities, which is aligned with our current efforts in this regard.

In 2022, the University announced the following fossil fuel divestment and climate change targets for our long-term investment portfolio:

- Divestment of all direct fossil fuel holdings in the equity portfolios no later than 2023 and divestment of all such indirect holdings, typically held through pooled and commingled equity investment vehicles, no later than 2030
- Continued tilting of the investment portfolio towards commitments to climate change initiatives across various asset classes, with a 10% target for the overall portfolios by the end of 2025
- Publication of the related achievements on uOttawa's website starting in 2022

The Finance and Treasury Committee will review these targets from time to time, to ensure the adequacy and relevancy for the overall goals and objectives of the investment portfolio.

The momentum and energy created around climate change efforts and activities is expected to be sustained in the coming years as conversations around mitigating the impacts of climate change continue across the University.



Measurement

To measure and track shifts in the long-term portfolios over time, the following measurements were identified by the Finance and Treasury Committee as appropriate indicators. The committee monitors annual progress against these measurements and includes new ones as necessary.

University's PRI ranking versus median respondent

As a UN Principles for Responsible Investment (UN PRI) signatory, the University is required to publicly report on the scope and level of responsible investment activities within its portfolios.

The latest United Nations Principles for Responsible Investment (UN PRI) report available is the 2021 report (for the 2020 calendar year), the release of which was delayed to October 2022 due to reporting tool and other issues at UN PRI. Results were compiled and produced as part of a UN PRI pilot project whereby a different scoring method (star scoring vs. letter grade) was adopted. Note that the new 2021 scoring methodology prevents comparisons being made with prior years' results. The summary scorecard is available below; uOttawa's scores are in the median range of all respondents, with the exception of passive fixed income, based on additional information provided by UN PRI.

UN PRI Scorecard

Investment and Stewardship Policy	★ ★ ★ ★ ★
Indirect – Listed Equity – Passive	★ ★ ★ ★ ★
Indirect – Listed Equity – Active	★ ★ ★ ★ ★
Indirect – Fixed Income – Passive	★ ★ ★ ★ ★
Indirect – Fixed Income – Active	★ ★ ★ ★ ★

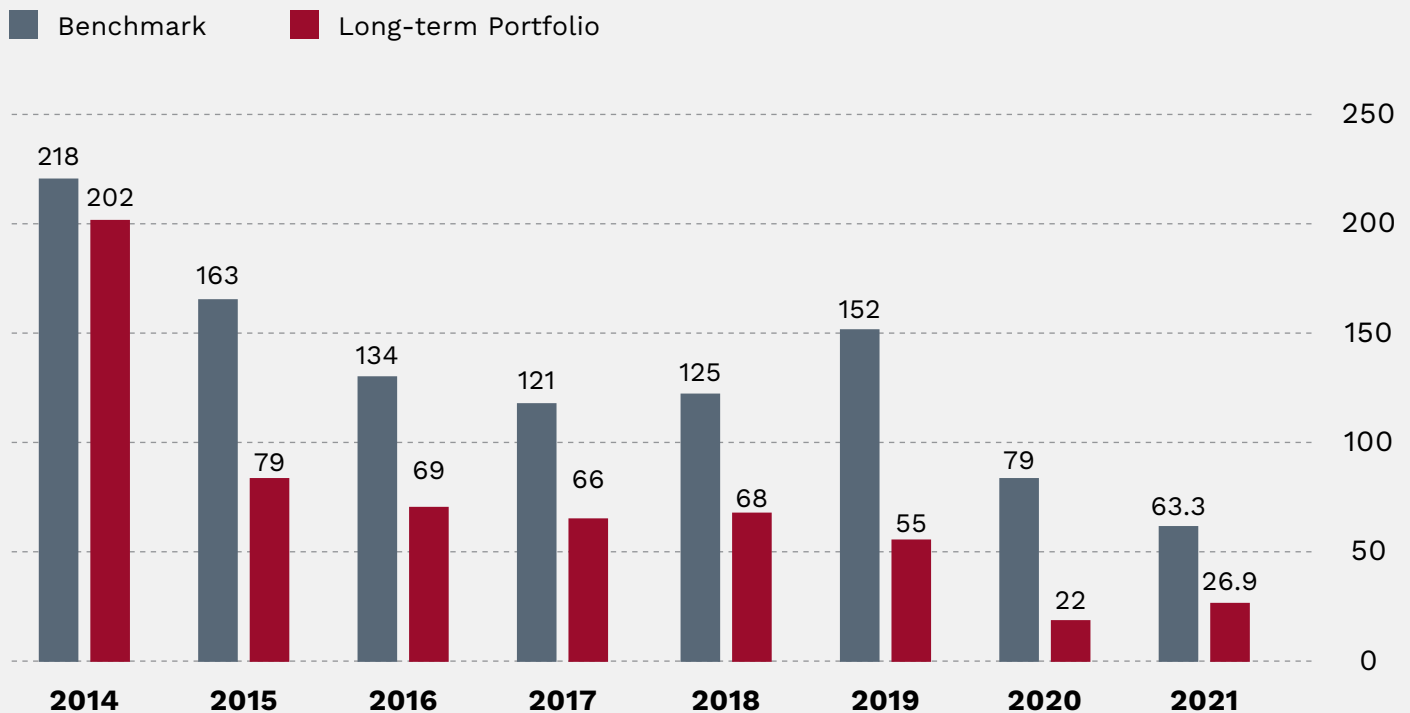
Montreal Carbon Pledge

As a Montreal Carbon Pledge signatory, the University submits carbon footprint data concerning its equity portfolio for an independent audit.

The following table reflects the reduction in uOttawa's carbon emissions since 2014 compared to a blended market benchmark. At the end of 2021, the carbon footprint for the long-term portfolios was 57.5% less than the market benchmark and had declined by 87% over the previous seven years.

Index data remains difficult to interpret because carbon footprint calculations are based on index composition and weighted by market pricing. Since the measurement is still in its early stages, there are currently no industry standards in carbon emission evaluation. Data volatility also suggests that caution should be exercised in interpreting these statistics over the short term. However, more insight on relative performance is expected over time as industry standards are set and long-term trends established.

Reduced carbon emissions (t CO₂e / \$M Invested) of the equities portfolio



ESG implementation in the portfolios

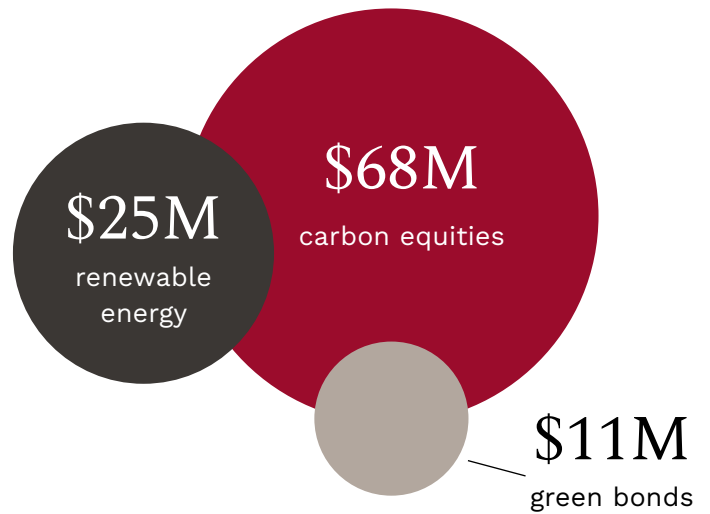
Another method of measuring progress is to assess the level of implementation of ESG (environmental, social and governance) factors throughout the portfolios on an annual basis. For 2021, the following observations can be made:

- On a dollar basis, approximately 98% of the portfolios is managed by investment managers who are PRI signatories (76% in 2019).
 - 100% of the equity portfolio (100% in 2019)
 - 100% of the fixed income portfolio (100% in 2019)
 - 84% of the real estate portfolio (63% in 2019)
 - 100% of the infrastructure portfolio (100% in 2019)
 - 97% of the absolute return portfolio (N/A in 2019)
- Approximately 81% of the portfolios (48% in 2019) is handled by managers who have formally integrated ESG into their investment management processes; when factoring in managers who have informally integrated ESG, the figure rises to 85%.

As of December 31, 2021	% of portfolio	Formal integration	Informal integration	N/A
Equities	46.2%	46.2%	0%	0%
Fixed Income	23.4%	14%	0%	9.4%
Absolute Return Assets	13.9%	8.9%	0%	5%
Real Estate	7.6%	4.1%	3.4%	0.1%
Infrastructure	8.9%	7.7%	1.1%	0.1%
Total	100%	80.9%	4.5%	14.6%

Portfolio tilting

A total of \$104 million (9.7%) of the portfolios was invested in climate change-related investments as of the end of 2021.



A carbon-conscious campus



Emissions inventory

Understanding the source of your emissions is critical in charting a path to carbon neutrality. Knowing which sources are the most carbon intensive will help the University make strategic decisions about how to reach our goals efficiently and effectively. The University has set a goal of becoming carbon neutral by 2040 with respect to direct emissions. This means that we will reduce as much of our direct emissions as possible and, as a last resort, offset the emissions we cannot eliminate.

This year's emissions inventory was on track to be the most comprehensive to date, but it was interrupted by the pandemic and is now incomplete. Scope 1 emissions (created directly on campus) and Scope 2

emissions (created indirectly by the purchase of energy) were recorded; however, Scope 3 emissions (all other indirect emissions that happen down the value chain) are much more difficult to calculate. Across the board, emissions numbers are down on campus because of the reduction in activities. The challenge will be in keeping those numbers low as the community returns to the campus.

In past reports, the University has highlighted the work undertaken by Facilities to reduce direct GHG emissions created by the operations and maintenance of campus physical spaces. This work continues, but as we develop a better understanding of our carbon inventory, we can see how carbon creeps into all the materials we use on

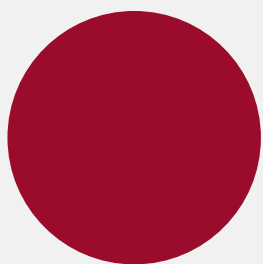
campus. Therefore, as a responsible institution, we are also addressing the carbon production beyond our direct emissions.

A reduction in both our electrical consumption and the intensity of carbon in the Ontario electrical grid helped lower our Scope 2 indirect emissions. Indirect emissions associated with Scope 3 activities are presumably lower due to fewer activities during the pandemic. This is evident when we look at activities such as business travel and waste generation, which were both down between 2020 and 2021.

The University is exploring green alternatives, which have become more accessible because of the pandemic. Teleconferencing, telework, telelearning and digital documentation are some alternatives that have had a positive impact on our emissions profile.

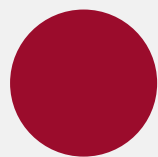
Scope 1

Fleet
15 tonnes



Natural gas
16,531 tonnes

Scope 2



Electricity
2,585 tonnes



Purchased steam
2,253 tonnes

Scope 3

UPSTREAM



Manufacturing
(unknown)



Transport and distribution
(unknown)



Capital goods
(unknown)



Commuting
(unknown)



Purchased goods
(unknown)

DOWNSTREAM



Business travel
5 tonnes



Waste
574 tonnes



Investments — equities
(unknown)



Investments — non-equities
(unknown)



Leased assets
(unknown)



Franchises
(unknown)



Transport
(unknown)



Shipping and distribution
(unknown)

Infrastructure

For decades, the University of Ottawa has been a keen steward of its energy consumption, diligently working to reduce the amount of energy used on campus. This has helped keep campus emissions related to heating buildings from the Power Plant very low. Campus direct emissions dropped by 17.4% between 2019 and 2021 (from 20,018 to 16,530 tonnes) during the pandemic, when the campus was not fully occupied. Emissions are expected to rise as the community returns to the campus and normal activities resume.

Regardless, uOttawa remains the lowest emitting campus in the U15 for direct emissions and will continue working on driving down its emissions. (See “U15 Scope 1 Emissions” in the appendix.)

To support this effort, the University has committed to building greener buildings that use less energy. Since 2012, every building the University of Ottawa has constructed has been LEED certified, and a new LEED-certified building is under construction at 200 Lees. Another building at the University of Ottawa’s medical campus is being designed with climate as a key planning consideration. These buildings use less energy and prioritize the health and comfort of building occupants while incorporating design elements that will help adapt to the changing climate.

With a grant from Natural Resources Canada’s Zero Emissions Vehicle Infrastructure Program, the University has installed 20 new Level 2 charging stations to offer campus

community members a low carbon option for their commute. These new chargers are available to the public and join the current chargers used for uOttawa fleet vehicles.

Commuting

Traditionally, the emissions from commuting nearly equalled those created by natural gas combustion on campus. However, travel to and from campus was greatly reduced during the pandemic, as classes and office work moved online. Some programs were also suspended for public health reasons (carpooling, shuttle bus, etc.). These programs were reinstated in 2022 and the University has allowed for shared parking passes as well.

Once the return to campus was approved, uOttawa’s Human Resources team implemented a telework pilot project, allowing employees to continue to work from home two days a week. This will continue to keep emissions low beyond the pandemic. The results of the pilot project will be reviewed in March 2024.

Human Resources is also playing a role in bringing more active transportation to the campus. Through the Healthy and Active Campus group, a University-wide pedometer challenge is organized twice a year to get everyone moving, promote physical activity and reduce our carbon footprint. This is supported by other monthly activities such as Bike to Work Month in May and Heart Month in February.

Waste management

Although waste management does not represent a large proportion of the University's emissions, it has an impact on downstream emissions. Many departments at the University have begun to dematerialize, which has the benefit of reducing emissions both up and downstream. Even before the pandemic, the Human Resources group had converted all its paper forms to online forms.

In 2022, the Office of Campus Sustainability revitalized the Furniture Reuse Program, recirculating surplus equipment and furniture on campus. Even though reuse does not reduce emissions like dematerialization, it does have a significant impact. Other programs such as the Free Store and incentives to bring reusable mugs on campus have been expanded for the return to campus.

During the pandemic, the University of Ottawa implemented a measure to install recycling bins for single-use masks in every building on campus, to respond to the dramatic increase in PPE use. Unfortunately, recycling is not as beneficial as reduction or reuse, though it is better than landfilling.

In general, waste production was down across the University because of the pandemic; nevertheless, there were many lessons learned about how the campus could function with fewer material inputs.

Food

Globally, the food system is responsible for over one third of GHG emissions, according to the United Nations. In 2022, the University of Ottawa's Food Services joined the Cool Food Pledge, a program designed to consider the climate impact of food by making meals more climate friendly. The goal is to reduce the greenhouse gas emissions associated with food by 25% by 2030 in a way that does not compromise the quality of meals.

This exciting program joins some of the great sustainability initiatives already undertaken by Food Services, including the zero-waste Dining Hall, Marine Stewardship Council certification, Green Dining certification and the acquisition of a Growcer unit.



Green space

Green space plays an important role in GHG emission sequestration, but also in adapting to climate change. The climate resiliency of the campus is strengthened when there is more green space to manage stormwater, reduce the urban heat island effect and offer habitat to animals and insects. To take advantage of these benefits, the University implemented design guidelines to build green roofs whenever possible, including the latest one, installed on Perez Hall in 2020.

Gardens are also taking a more prominent role in campus design. An Indigenous garden was inaugurated next to the Social Sciences Building, a three-season garden was constructed behind the University Centre and a pollinator garden was created in Marion Square thanks to a grant from the World Wildlife Federation.



Conclusion

We all have a vital role to play in the fight against the climate crisis and its devastating effects. As an institution empowered to educate future leaders, the University of Ottawa is helping prepare students for a rapidly changing climate. Moreover, as one of Canada's most research-intensive universities, we have many academics rigorously investigating the current and future effects of climate change and disseminating their findings.

The University of Ottawa will remain committed to leveraging its strengths to help reduce the widespread adverse impact of climate change with transformative, real-world climate solutions. I firmly believe in the leadership universities can demonstrate within our communities, and on the national and international stages. By sharing our knowledge and research, integrating sustainability into daily life on campus and nurturing the next generations of leaders, we can help to shape a sustainable society.

Jacques Frémont



Appendix

Liste des cours sur le climat / Climate course inventory

Cotes de cours / Course code	Nom du cours / Course name
API 6316	Environmental Policy
API 6716	Politiques environnementales
ANT 2128	Anthropology for the 21st Century
ANT 2528	Anthropologie pour le 21^e siècle
BIO 3115	Conservation Biology
BIO 3515	Biologie de la conservation des espèces
BIO 4550	Écologie spatiale
CHM 2313	Environmental Chemistry
CHM 2713	Chimie de l'environnement
CML 4521	Droit international de l'environnement
CML 3161	International Environmental Law
CML 4529	Droit de l'environnement approfondi
CVG 5212	Climate Change Impacts on Water Resources
CVG 5214	Sustainable and Resilient Infrastructure
CVG 5216	Sustainable and Resilient Infrastructure in Changing Climate
DCL 5206	Special Topics in Global Sustainability and Environmental Law
DVM 2106	Introduction to International Development Practices: Challenges and Innovations
DVM 2506	Introduction aux pratiques en développement international : défis et innovations
DVM 4153	International Development and Environmental Change
DVM 4553	Développement international et changements environnementaux
ECO 2118	Introduction to Environmental and Natural Resources Economics
ECO 2518	Introduction à l'économie de l'environnement et des ressources naturelles
ECO 3130	Economic Growth
ECO 3530	Croissance économique
ENV 1101	Global Environmental Challenges
ENV 1501	Les défis environnementaux globaux
ENV 2301	History of Environmental Thought
ENV 2701	Histoire de la pensée environnementale

Liste des cours sur le climat / Climate course inventory

ENV 3321	Human and Policy Dimensions of Environmental Change
ENV 3721	Dimensions humaines et politiques des changements environnementaux
ENV 5101	The Anthropocene
EVD 5100	Seminar in Environmental Sustainability
EVD 5101	Economics of Environmental Law and Policy
EVD 5109	Applied Environmental Sustainability
EVD 5122	Foundations of Environmental Economics
EVD 5500	Séminaire en durabilité de l'environnement
EVD 5501	Approche économique et le droit de l'environnement
EVD 5509	Développement durable appliqué
EVG 5182	Water Resources Management
EVG 5212	Climate Change Impacts on Water Resources
EVS 1101	Introduction to Environmental Science
EVS 1501	Introduction aux sciences environnementales
EVS 3101	Environmental Issues
EVS 3501	Problèmes environnementaux I
FEM 6104	Intersectional Perspectives on Environmental Change
FEM 6504	Perspectives intersectionnelles sur les changements environnementaux
GEG 4101	Permafrost Environments
GEG 5311	Environmental Change in Cold Regions
GEO 2316	Introduction to Climate Science
GEO 2334	Quaternary Geology and Climate Change
GEO 2716	Introduction à la science du climat
GEO 2734	Géologie quaternaire et changement climatique
GEO 4309	Climate Change
GEO 4709	Changements climatiques
GEO 5155	Climate Change
HSS 3105	Global Citizenship and Health
HSS 3303	Environment and Health
HSS 3505	Citoyenneté mondiale et santé
HSS 3703	Environnement et santé

Recherches sur le climat publiées / Climate-related published research

Date	Titre / Title	Personnes contributrices / Contributor(s)
2022-11-01	The Role and Regulation of Heat Shock Proteins in the Antarctic Alga <i>Chlamydomonas priscuii</i>	Vakulenko, Galyna ; Cvetkovska, Marina
2022-09-28	Green Global Policy Assemblages: The Evolution of Community-Based Natural Resource Management in Response to Climate Change in Namibia	Heffernan, Andrew ; Abrahamsen, Rita
2022-08-24	The Unquantified Mass Loss and Changes of Northern Hemisphere Marine-Terminating Glaciers	Kochtitzky, William ; Copland, Luke
2022-08-23	The Timing of Reproduction is Responding Plastically, not Genetically, to Climate Change in Yellow-Bellied Marmots (<i>Marmota flaviventer</i>)	St Lawrence, Sophia Helen ; Martin, Julien
2022-07-18	Essays in Environmental and Health Economics	Alishahi, Modjgan ; Heyes, Anthony
2022-04-29	Using Sediment DNA Archives for Interpreting Long-term Cyanobacterial Dynamics in the Anthropocene	Mejbel, Hebah Shaker ; Pick, Frances
2022-03-21	Environmental Sustainability as Leverage to Increase the Prominence, Legitimacy, and Funding of Global Reproductive Rights	Delacroix, Celine ; Foster, Angel
2022-02-18	Assessing Moisture Resilience of Wall Assemblies to Wind-Driven Rain Loads Arising from Climate Change	Xiao, Zhe ; Dragomirescu, Elena ; Lacasse, Michael
2022-01-17	Essays in Environmental and Labour Economics	Kabore, Philippe ; Rivers, Nicholas ; Deri Armstrong, Catherine
2022-01-10	Climate Change and Land-use Change Impacts on Bumblebees	Soroye, Peter ; Kerr, Jeremy Thomas
2021-08-13	Numerical Modeling of Thermal and Geotechnical Response of Soils in Canadian No-Permafrost Regions to Climate Warming	Marrah, Mohammed Yassir ; Fall, Mamadou ; Almansour, Husham Khazal Hammadi
2021-05-12	Toward a Better Understanding of the Thermal and Cardiovascular Strain Experienced by Older Adults During Extreme Heat Events	Meade, Robert ; Kenny, Glen
2021-05-11	Assessment of Impacts of Upstream Developments and Climate Change on Carp River Watershed	Zango, Baba-Serges ; Seidou, Ousmane ; Sartaj, Majid
2021-03-30	Essays on Environmental NGOs and Clean Technologies Adoption	Urban, Ionut Bogdan ; Heyes, Anthony
2021-02-17	Controls of Lithium and Strontium Isotopes Spatial Variability Across the Yukon River Basin: Implications for Weathering in a Warming Basin	Kang, Myunghak ; Bataille, Clément
2021	Last chance tourism: a decade review of a case study on Churchill, Manitoba's polar bear viewing industry	D'Souza, Jamie ; Dawson, Jackie ; Groulx, Mark
2021	Timing Matters: Prenatal Climate Shocks, Sex Ratio, and Human Capital	Kuate, Landry ; Pongou, Roland ; Rivers, Nicholas

Recherches sur le climat publiées / Climate-related published research

2021	Ship-Source Noise Modeling from 2015-2018 in the Kitikmeot Region and Lancaster Sound (Northwest Passage), Nunavut	Halliday, William D. ; Dawson, Jackie
2021	Energy-Environment Federalism in Canada: Finding a Path for the Future	Bratt, Duane
2021	Public trust in the courts	Positive Energy ; Nanos Research
2021	Climate ambition steady: Urgency to act now trending up	Positive Energy ; Nanos Research
2021	Polarization over Energy and Climate in Canada: Canada's Climate Performance, Renewables, Nuclear, Community Roles	Aguirre, Rafael ; Frank, Brendan ; Gattinger, Monica
2021	Climate change aggravates non-target effects of pesticides on dragonflies at macroecological scales	Sirois-Delisle, Catherine ; Kerr, Jeremy T.
2021	Gap Analysis: Shipping and Coastal Management in Inuit Nunangat	van Luijk, Nicolien ; Holloway, Jean ; Carter, Natalie ; Dawson, Jackie ; Orawiec, Andrew
2020-12-18	Essays in Environmental and Applied Economics	Forge, Fabien ; Brodeur, Abel
2020-12-11	The International Political Economy of Transnational Climate Governance in Latin America. Urban Policies Related to Low Carbon Emissions Public Transportation in Lima - Peru and Mexico City - Mexico	Leal Garcia, Jose Manuel ; Paterson, Matthew
2020-12-11	Cuida Nuestra Tierra': Understanding Locally Specific Forms of Environmentalism in Lima, Peru	Wilkinson, Alisha Megan ; Stalcup, Mary Margaret ; Hewage, Thushara
2020-11-20	Quantifying the Vulnerability of Arctic Water Supply Lakes to Environmental Change Through Paleolimnological Assessment	Cincio, Paige ; Wesche, Sonia Darianne
2020-10-06	Impacts of Forest Fire on Permafrost in the Discontinuous Zones of Northwestern Canada	Holloway, Jean ; Lewkowicz, Antoni G.
2020-09-18	Climate Change Impact on Rainfall-Induced Landslides in Ottawa Sensitive Marine Clays	Panikom, Nattawadee ; Fall, Mamadou
2020-01-03	Paleodemography of the North American Arctic, Subarctic, and Greenland in Relation to Holocene Climate and Environmental Change	Briere, Michelle ; Gajewski, Konrad
2020	Climate Change and the Distribution of Agricultural Output	Costa, Francisco ; Forge, Fabien ; Garred, Jason ; Pessoa, João Paulo
2020	Manufacturing Output and Extreme Temperature: Evidence from Canada	Kabore, Philippe ; Rivers, Nicholas
2020	Addressing Polarization: What Works? Case Study: The Alberta Climate Leadership Plan	Bratt, Duane
2020	Addressing Polarization: What Works? The Just Transition Task Force	Frank, Brendan ; Girard Lindsay, Sébastien

Recherches sur le climat publiées / Climate-related published research

2020	What Works? Identifying and scaling up successful innovations in Canadian energy regulatory decision making (survey results)	Larkin, Patricia
2020	Climate ambition on the rise	Positive Energy ; Nanos Research
2020	Polarization, oil and gas	Aguirre, Rafael ; Bird, Stephen ; Frank, Brendan ; Gattinger, Monica
2020	Climate ambition and COVID-19	Positive Energy ; Nanos Research
2020	Addressing Polarization: What Works? Case Study: The Alberta Climate Leadership Plan	Bratt, Duane

Projets de recherche en cours / Active research projects

Chercheuse ou chercheur / Researcher	Titre du projet / Title of project	Faculté responsable / Managing faculty
Abrahamsen, Rita	The Evolution of Arctic Governance	Faculty of Social Sciences
Abrahamsen, Rita	The African Union at 20: Pan-African Pasts and Futures	Faculty of Social Sciences
Ben Amar, Walid	Trouver réponse à un défi planétaire : gouvernance d'entreprise, motivations et pressions pour réduire les émissions de gaz à effet de serre	Telfer School of Management
Ben Amar, Walid	Telfer Research Fellow in Sustainability Accounting	Telfer School of Management
Bernier, Luc	À quoi servent les États infranationaux : l'expérience du Québec dans une perspective comparée	Faculty of Social Sciences
Blais, Jules	Enhancing Climate Literacy: Collective Climate Accountability and Adaptation Project (CCAAP)	Faculty of Science
Blais, Jules	Collective Climate Accountability & Adaptation Project with Clearwater River Dënë School	Faculty of Science
Bouffanais, Roland	Adaptive Tuning of Multi-Robot Systems for the Effective Mapping and Tracking of Dynamic Environments	Faculty of Engineering
Bronson, Kelly	Digital Agriculture for a Sustainable Food System? A meta-review of the evidence	Faculty of Social Sciences
Camiré, Martin	Reimagining High School Sport Coaching through a Social Justice Lens	Faculty of Health Sciences
Cao, Huhua	4th International Conference on Canadian, Chinese and African Sustainable Urbanization: Density, Diversity and Mobility: the City in an Era of Cascading Risks	Faculty of Arts

Projets de recherche en cours / Active research projects

Chomienne, Marie-Hélène	Bien-être psychologique du personnel de l'entretien ménager des hôpitaux canadiens, facteurs déterminants et conditions d'influence en temps de pandémie (COVID-19)	Faculty of Medicine
Copland, Luke	Glacier ice volume, iceberg discharge and shipping risk in the Canadian Arctic and beyond	Faculty of Arts
Copland, Luke	Analysis of vessel ice strengthening relative to Arctic ice navigational conditions	Faculty of Arts
Cornut St-Pierre, Pascale	La titrisation verte entre transition écologique et financiarisation de l'économie : Enquête sociojuridique sur une technique émergente de la finance durable	Civil Law Section
Cotnam-Kappel, Megan	Projet d'un continuum en lien avec Équité, droit de la personne et inclusion pour l'école de langue française de l'Ontario avec le CFORP	Faculty of Education
Craft, Aimée	Decolonizing Water Governance - Sustainable Water Governance	Common Law Section
Cvetkovska, Marina	Controlled Environment Chambers for Plant and Algal Research	Faculty of Science
Dalley, Phyllis	Équité, droit de la personne et inclusion pour l'école de langue française de l'Ontario	Faculty of Education
Dawson, Jackie	Inuit Qaujisarnirmut Pilirijjutit on Arctic Shipping Risks in Inuit Nunangat	Faculty of Arts
Dawson, Jackie	Residual Risk and Adaptation Database (RRAD): advancing climate risk assessment approaches for IPCC working group II in preparation for the AR7	Faculty of Arts
Dawson, Jackie	Canada Research Chair in the Human and Policy Dimensions of Climate Change	Faculty of Arts
Dawson, Jackie	SSRHC Insight Award – Connection 2020	Faculty of Arts
Dawson, Jackie	Future Arctic Mobilities: Informing transportation adaptation through climate observations and model projections of changing snow and ice	Faculty of Arts
Dawson, Jackie	Postdoctoral Fellowship Award for Dr. Jean Holloway	Faculty of Arts
Dawson, Jackie	Arctic Corridors and Northern Voices: governance of low impact shipping corridors	Faculty of Arts
Dawson, Jackie	Mobilizing Arctic Corridors and Northern Voices Research: enhancing Inuit self-determination in marine policy development	Faculty of Arts
Deng, Jacky	A multilingual investigation of students' abilities to make evidence-based decisions about climate change issues	Faculty of Science
Dimoff, Jennifer	Mental illness in the workplace: Understanding the impact of mental health climate on employees	Telfer School of Management
Dragomirescu, Elena	Test residential roof mock-up using the Wind Damage Simulator	Faculty of Engineering
Elgie, Stewart	Ontario Land Use Policy and the Implications for Nature-Based Climate Solutions	Faculty of Social Sciences

Projets de recherche en cours / Active research projects

Elgie, Stewart	Increasing the Efficacy of Green Public Procurement and Engaging Conservative Voices in Clean Growth Policy	Faculty of Social Sciences
Elgie, Stewart	Creating a classification of climate adaptation jobs in Canada and estimating the impact of investment in adaptation on sectoral employment	Faculty of Social Sciences
Elgie, Stewart	Smart Prosperity Institute - Canada CleanTech Alliance project	Faculty of Social Sciences
Elgie, Stewart	Agriculture Alliance of New Brunswick Agricultural Climate Solutions Project	Faculty of Social Sciences
Elgie, Stewart	Building resilience in long-term investment strategies – what has the Covid-19 pandemic taught us about climate risks?	Faculty of Social Sciences
Elgie, Stewart	International Boreal Conservation Campaign #32840	Faculty of Social Sciences
Elgie, Stewart	Agricultural Climate Solutions Project	Faculty of Social Sciences
Elgie, Stewart	Closing Canada's green skills gap: Identifying Canada's green skilled workforce needs to reach our national 2030 climate target	Faculty of Social Sciences
Elgie, Stewart	FCS Taskforce for BRM Programming in Canada	Faculty of Social Sciences
Fall, Mamadou	Safety aspects in the near-field of a deep geological repository for used fuel – gas migration in buffer and shaft seals	Faculty of Engineering
Fall, Mamadou	Impact of climate change on the load-carrying capacity of existing highway bridge substructures	Faculty of Engineering
Fortin, Marie-France	L'après-crise : catalyseur d'avancées dans le domaine de la responsabilité étatique	Civil Law Section
Fraser, Maia	Interdisciplinary Math and Artificial Intelligence Program (INTER-MATH-AI)	Faculty of Science
Gajewski, Konrad	Holocene climate change, ecosystem response and human impacts	Faculty of Arts
Gattinger, Monica	Positive Energy: Strengthening Public Confidence in Energy Decision-Making	Faculty of Social Sciences
Ge, Wenxia	I am doing research on environmental, social and governance issues, banking, the economic consequences of financial and non-financial reporting and disclosures on the capital markets, and international business. The startup fund will cover the purchase of computers and other expenses to support my work.	Telfer School of Management
Ge, Wenxia	Are climate risk disclosures in earnings conference calls relevant to analysts?	Telfer School of Management
Guilherme, Stephanie	Report for Makivik Corporation — Freshwater in Nunavik: Quality, Quantity and Accessibility Recommendations for the implementation of the Canadian Water Agency	Faculty of Engineering
Guilherme, Stephanie	Sustainable water treatment strategies for northern communities	Faculty of Engineering
Hajmohammad, Sara	Enhancing Supply Chain Resilience to Extreme Weather Events	Telfer School of Management

Projets de recherche en cours / Active research projects

Harper, Mary-Ellen	Novel thermoregulatory mechanisms in brown adipose tissue	Faculty of Medicine
Heyes, Anthony	Heat and the Indian Economy: A Study with Three Components	Faculty of Social Sciences
Hinzer, Karin	Photovoltaics for Emerging Energy Systems	Faculty of Engineering
Huggins, Christopher	How can Canada's Feminist International Assistance Policy better support Women's Rights to Land in sub-Saharan Africa?	Faculty of Social Sciences
Jaclin, David	L'espace vécu de la rivière Gatineau. Une expédition postnaturelle.	Faculty of Social Sciences
Jeffery, Celina	Curating Ecological Futures	Faculty of Arts
Jones, Peter	Conflict Resolution in Canada/Turtle Island	Faculty of Social Sciences
Katz-Rosene, Ryan	Proposal for New KMB Activities: Future of Sustainable Protein	Faculty of Social Sciences
Kavcic, Miroslava	Startup grant: Sustainable, affordable, and comfortable buildings for Canadian climates	Faculty of Engineering
Kenny, Glen	Human and Environmental Physiology Research Unit - User Fees	Faculty of Health Sciences
Kenny, Glen	Heat stress solutions alliance	Faculty of Health Sciences
Kenny, Glen	Intelligent physiological monitoring platform to safeguard the health of vulnerable adults during hot weather	Faculty of Health Sciences
Kharouba, Heather	Science to inform climate-smart conservation: Integrating climate microrefugia into networks of protected and conservation areas	Faculty of Science
Kharouba, Heather	Evaluating the responses of vascular plant phenology to climate change in the Canadian Arctic from an evolutionary perspective	Faculty of Science
Knudby, Anders Jensen	Partnership for understanding environmental change impacts on water security and water quality in Iqaluit, NU	Faculty of Arts
Kogan, Cary	Combatting Antisemitism and the Delegitimization of Israel on Canadian Campuses: A Convening to Develop a Plan for the Expansion of the Academic Engagement Network to Canada	Faculty of Social Sciences
Kulkarni, Manisha	Identifying research priorities to assess climate change impacts on malaria and arboviruses in Sub-Saharan Africa: An International Planning Meeting	Faculty of Medicine
Kulkarni, Manisha	The Greenbelt Tick Project	Faculty of Medicine
Lacelle, Denis	Permafrost in a changing climate: geohazard risk assessment and biogeochemical impacts on the environment.	Faculty of Arts
Lan, Christopher	High cell density low maintenance cultivation of algae for sustainable development	Faculty of Engineering
Lazar, Nomi Claire	A Theory of Apocalyptic Politics	Faculty of Social Sciences
Lazar, Nomi Claire	This Movement Will Self-Destruct: A Theory of Apocalyptic Politics	Faculty of Social Sciences

Projets de recherche en cours / Active research projects

Lemyre, Louise	Intégration de la gestion psycho-sociale du risque dans la communication	Faculty of Social Sciences
Lewkowicz, Antoni	PermafrostNet	Faculty of Arts
Lewkowicz, Antoni	Archiving of Northern climate data	Faculty of Arts
Little, Julian	Folate and vitamin B12 and global health - evaluation of policies informed by integrated assessment of health effects	Faculty of Medicine
Martin, Julien	Effects of climate change on adult body size: Towards an integrative approach to understand the underlying mechanisms, the consequences across the lifespan, and improve our predictive ability	Faculty of Science
Martin-Perez, Beatriz	Impact of Climate Change on Carbonation Resistance of Eco-Friendly Concretes	Faculty of Engineering
Mazutis, Daina	The Business of Accelerating Sustainable Urban Transformations in Canada	Telfer School of Management
Mazutis, Daina	Getting to One Planet Living: How construction and development leaders are tackling climate change	Telfer School of Management
McCarney, Geoff	Mining for Circularity Q1 2021 Stakeholder Engagement and Online Forum	Faculty of Social Sciences
McCarney, Geoff	Gendered Dimensions of Climate Change in Canada: An Intersectional perspective	Faculty of Social Sciences
McCarney, Geoff	Economics and Environmental Policy Research Network	Faculty of Social Sciences
McCarney, Geoff	Report on Equity, Diversity and Inclusion in the Clean Fuels Market for NRCan-DOE Energy MOU Action Plan	Faculty of Social Sciences
McCarney, Geoff	Report and Presentation on Canadian Circular Economy Capabilities, Trends and Opportunities	Faculty of Social Sciences
McKee, Susan	Climate and Permafrost in Northern Communities	Faculty of Science
Meade, Robert	Evaluating the efficacy of commonly recommended cooling strategies for protecting elderly people during extreme heat events	Faculty of Health Sciences
Meerzon, Yana	Crisis and Recovery: Theatre and Performance Before and After the Global Pandemic	Faculty of Arts
Meerzon, Yana	Crisis and Recovery: Theatre and Performance in the Context of the Global Pandemic (conference)	Faculty of Arts
Millar, Jason	The Ethics and Art of AI-based Climate Change Mitigation Technologies	Faculty of Engineering
Mirza, Vincent	Centre de recherche sur le futur des villes	Faculty of Social Sciences
Mohammadian, Abdolmajid	Time-resolved tomographic particle image velocimetry (PIV) system	Faculty of Engineering
Mohammadian, Abdolmajid	Mesh Optimization of the Two-Dimensional Hydrodynamic Model for the Ottawa River to Support ECCC's Spill Modelling Operational Program	Faculty of Engineering

Projets de recherche en cours / Active research projects

Mohammadian, Abdolmajid	Optimization of the Two-Dimensional Hydrodynamic Model for the Ottawa River	Faculty of Engineering
Moneta, Fabio	Responsible Wealth Creation and Management Cluster	Telfer School of Management
Munro, Lauchlan Thomas	Public Policy Advocacy for Global Sustainable Development in Canada	Faculty of Social Sciences
Nistor, Ioan	Prevention and Mitigation of Natural Disasters under Climate Change – Research Visit of Professor Tomoya Shibayama from Waseda University, Tokyo, Japan	Faculty of Engineering
Nistor, Ioan	Nature-Based Infrastructure for Coastal Resilience and Risk Reduction	Faculty of Engineering
Nistor, Ioan	Intercomparison of scale and Dimensionality of prediction tools for multi-risk assessment: erosion, coastal flooding, ice jamming (INEDINE)	Faculty of Engineering
Nistor, Ioan	INTEGRATION OF ECO-FRIENDLY HABITATS INTO COASTAL STRUCTURES	Faculty of Engineering
Noël, Martin	Development of carbon neutral concrete structures with FRP reinforcement	Faculty of Engineering
Orsini, Michael	Disability in Movement: Tracing the Ableist Histories of Social Movement Activism in Canada	Faculty of Social Sciences
Ost, Katarina	Assessing strategies for the prevention and control of emerging tick-borne diseases in urban and peri-urban settings	Faculty of Medicine
Pamenter, Matthew	The Impact of climate change on immunity in hypoxia-tolerant reef fish	Faculty of Science
Patrick, Jonathan	Resilience and Adaptation to Climatic Extreme Wildfires	Telfer School of Management
Radulescu, Matei	Review of potential risks associated hydrogen storage at high pressure	Faculty of Engineering
Rajaiya, Harshit	Corporate Social Responsibilities (CSR) activities and Seasoned Equity Offerings	Telfer School of Management
Rennie, Colin	Scour, debris impact, and stability of overpasses during urban flash floods: Literature review	Faculty of Engineering
Rennie, Colin	Towards river ice jam release flood modelling in TELEMAC: Testing of KHIONE and further module development	Faculty of Engineering
Rivers, Nicholas	Estimating the economic impact of climate change on Canadians	Faculty of Social Sciences
Rivers, Nicholas	Harvesting optimal societal health benefits from climate policies	Faculty of Social Sciences
Rivers, Nicholas	Harvesting optimal societal health benefits from climate policies	Office of the Vice-President, Research
Sanchez, Leandro	Designing and assessing the next generation of eco-efficient concrete towards net zero carbon emissions by 2050	Faculty of Engineering

Projets de recherche en cours / Active research projects

Sartaj, Majid	Assessment and enhancement of biogas production from high nitrogen content organic waste (Poultry Manure (PM)) through ammonia stripping	Faculty of Engineering
Sartaj, Majid	Application of renewable natural gas for ammonia stripping from anaerobic digestate to enhance biogas production	Faculty of Engineering
Sartaj, Majid	Application - Discovery Grants Program - Individual - Enhancing Renewable Energy (biogas/biohydrogen) Production from Organic Wastes - Towards a more Sustainable and Climate neutral Approach	Faculty of Engineering
Sayari, Abdelhamid	iMACCS: Innovative Materials for Carbon Capture and Sequestration	Faculty of Science
St-Gelais, Raphael	Portable infrasound microphones for early warning of extreme climatic events	Faculty of Engineering
St-Gelais, Raphael	Portable infrasound microphones for early warning of extreme climatic events (Alliance - industry partner contribution)	Faculty of Engineering
Standen, Emily	Understanding adaptive mechanisms in locomotion by integrating motor control, tissue performance and mechanical constraint	Faculty of Science
Talbot, Benoit	Approche multisectorielle de recherche convergente pour l'évaluation exhaustive du risque posé par les arbovirus émergents sur les populations vulnérables du Canada – application aux maladies transmises par les moustiques dans le centre du Canada	Faculty of Medicine
Tellis, Cecilia	Applying a critical theory and anti-oppression framework to EDI work in libraries: a toolkit	Office of the Vice-President, Research
Tetzlaff, Emily	Translating the physiology of the human heat stress response into heat-actionable guidance and messaging	Faculty of Health Sciences
Turcotte, Pier-Luc	Fonds de démarrage	Faculty of Health Sciences
Vanapalli, Sai	Towards a Unified Unsaturated Soil Mechanics Framework for Interpretation of Frozen and Unfrozen Soils of Frozen and Unfrozen Soils	Faculty of Engineering
Walker, Brett	Advanced Radiocarbon Dating and Molecular-Level Tools for Evaluating Marine Carbon Cycling in the Canadian Arctic	Faculty of Science
Walker, Brett	Resolving microbial carbon transformations in a warming world	Faculty of Science
Walker, Brett	Advanced Radiocarbon Dating and Molecular-Level Tools for Evaluating Marine Carbon Cycling in the Canadian Arctic	Faculty of Science
Wesche, Sonia	Salary Conversion for Yukon field visit: Bringing Research Home project with Kluane First Nation and Yukon University	Faculty of Arts
Wesche, Sonia	Nipaturuq Inuvialuit Youth Magazine: Food Security Issue	Faculty of Arts

Chaires de recherche sur le climat / Climate related research chairs

Chercheuse ou chercheur / Researcher	Chaires de recherche / Research chairs
Tom Baker	Canada Research Chair
Kelly Bronson	Canada Research Chair
Jackie Dawson	Canada Research Chair
Anthony Heyes	Canada Research Chair
Ghassan Jabbour	Canada Research Chair
Benoît Hugo Lessard	Canada Research Chair
Carolyn Fischer	Canada 150 Research Chair
Luke Copland	University Research Chair
Mamadou Fall	University Research Chair
Trevor J. Hall	University Research Chair
Karin Hinzer	University Research Chair
Jeremy T. Kerr	University Research Chair
Vincent Mirza	Fonds de démarrage

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Hiver 2020 / Winter 2020)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
Reassessing the Social Enterprises Landscape	Amano Group	4
Business Development Volunteer	ASHYA Tech Inc.	2
Mobile Application Developer Volunteer	ASHYA Tech Inc.	1
Seminar Assistant	Canadian Organic Growers-Ottawa St Lawrence Outaouais Chapter	6
Conservation Research Assistant: Protected Areas and Biodiversity	Canadian Parks and Wilderness Society (CPAWS)	1
Community Outreach Volunteer (local and international)	Carp Ridge Learning Centre	6
Research Volunteer: Creating an organic healing garden	Carp Ridge Learning Centre	2
Web development volunteer	Carp Ridge Learning Centre	4
TD Environmental Leaders Program - Volunteer: Growing food and friendships at a Gatineau Housing Cooperative	Coopérative d'habitation l'Alternative	4
TD Environmental Leaders Program - Team Leader: Growing food and friendships at a Gatineau Housing Cooperative	Coopérative d'habitation l'Alternative	1
Volunteer Research Assistant	CPAWS Ottawa Valley	1
Researcher for Jamaica Source Farm Community Development Institute	Cuso International	2
Tree Event Volunteer	Ecology Ottawa	1
Tree Map Officer	Ecology Ottawa	1
Data Screening Volunteer	Ecology Ottawa	1
Social Media Content Coordinator	Ecology Ottawa	1
Volunteer: Business Development Sustainability Researcher	EnviroCentre	1
Volunteer - Communications Assistant	EnviroCentre	1
The Most Livable Ottawa: Developing strategies for 15 Minute Neighbourhoods	Federation of Citizens' Associations of Ottawa (FCA)	6
Impact investment study for Indigenous Clean Energy	Indigenous Clean Energy Social Enterprise	2
Researcher - Food Gardening on municipally-owned land	Just Food	2
Researcher - Indigenous trapping on National Capital Commission Lands	Just Food	2

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements

(Hiver 2020 / Winter 2020)

TD Environmental Leaders Program - Volunteer: Lowertown Community Gardens Network	Lowertown Community Resource Centre (LCRC)	5
TD Environmental Leaders Program - Team Leader: Lowertown Community Gardens Network	Lowertown Community Resource Centre (LCRC)	1
Student Biologist, Gatineau Park	National Capital Commission (NCC)	4
Waste Management Research Volunteer	Ottawa Eco-Talent Network	1
Community Compost Project - Research Volunteer	Ottawa Eco-Talent Network	5
Feasibility study volunteer : selling food waste from a shelter kitchen	Shepherds of Good Hope	2
Alternative Student Break Project Participants - Towards a zero-waste campus - February 2020	uOttawa Office of Campus Sustainability	15
Alternative Student Break Project Team Leader - Towards a zero-waste campus - February 2020	uOttawa Office of Campus Sustainability	2
Carbon Mitigation Strategy	uOttawa Office of Campus Sustainability	6
Zero Waste uOttawa Project (GEG ENV3702)	uOttawa Office of Campus Sustainability	30
Climate resilience and adaptation (ENV4520)	uOttawa Office of Campus Sustainability	7
Post-Conference Team: International Conference on Canadian, Chinese and African Sustainable Urbanization (ICCCASU) (GEG4702)	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	7

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Été 2020 / Summer 2020)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
TD Environmental Leaders Program - Volunteer: Growing food and friendships at a Gatineau Housing Cooperative	Coopérative d'habitation l'Alternative	2
TD Environmental Leaders Program - Team Leader: Growing food and friendships at a Gatineau Housing Cooperative	Coopérative d'habitation l'Alternative	1
Ecology Ottawa Ambassador	Ecology Ottawa	50
NatureHood Communications Volunteer	Nature Canada	1
NatureHood: Administrative Support Volunteer	Nature Canada	1
Pre-Conference Team: International Conference on Canadian, Chinese and African Sustainable Urbanization	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	8

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Automne 2020 / Fall 2020)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
Business Development Volunteer	ASHYA Tech Inc.	3
Software Development Volunteer	ASHYA Tech Inc.	3
Pinhey Sand Dune Restoration Assistant	Biodiversity Conservancy International (BCI)	4
Sand Dune Restoration	Biodiversity Conservancy International (BCI)	15
Project Consultant - From Greenwashing to Green Practices in the Canadian Horticultural Industry	Canadian Society for Organic Urban Land Care (SOUL)	5
Welcome Superteam Community Organizer	David Suzuki Foundation	1
Ecology Ottawa Ambassador	Ecology Ottawa	20
Volunteer Content Creator - Écoles écocitoyennes de l'Outaouais	Enviro Educ Action	2
Research Volunteer - Collection of Compostable Materials	Enviro Educ Action	1
Volunteer Animator - Programme C-Vert	Enviro Educ Action	1

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Automne 2020 / Fall 2020)

Volunteer Translator	Enviro Educ Action	1
Volunteer Assistant - EnviroCentre	EnviroCentre	1
Project Consultant - 15 minute neighbourhood liveability audit and gap analysis	Federation of Citizens' Associations of Ottawa (FCA)	5
Project Consultant - Strategies for 15 minute neighbourhood in Orleans	Federation of Citizens' Associations of Ottawa (FCA)	8
Communications Advisor	Gentle Ways for Our Planet	1
App. Developer	Gentle Ways for Our Planet	1
Virtual group moderator	Gentle Ways for Our Planet	1
Outreach and Event Coordinator	Gentle Ways for Our Planet	1
Environmental Accomplishment Publisher	Gentle Ways for Our Planet	1
Project Consultant - Nature Connection Evaluation	Nature Canada	5
Research Assistant	Northern Council for Global Cooperation (NCGC)	2
Project Consultant - Sustainable Funding Strategy	Ottawa Biosphere Eco City (OBEC)	5
Research Assistant - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	4
Building Patroller - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	3
PPBS_Youth Water Leader (2020-2021)	Ottawa Riverkeeper	1
Social Media Coordinator	Ottawa Water Study Action Group (OWSAG)	1
Research Assistant	Population Institute (FPESA)	6
PPBS_Assistant for Morningside Heights Urban Farm development	PPBS_Malvern Family Resource Centre	1
Project Consultant - Shelter Food Waste Feasibility Study	Shepherds of Good Hope	5
Vice-President of Equity and Sustainability	UOCA_uOttawa Economics Students' Association (ESA)	1
Director of Sustainability	UOCA_uOttawa International Development and Globalisation Student Association (DSA)	1
Sustainability Research assistant	UOSU_Sustainability Centre	1
Green IT Project Consultant	uOttawa_ Information Technology	5
International Conference on Canadian, Chinese and African Sustainable Urbanization IV (ICCCASU IV) Assistant	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	17

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Hiver 2021 / Winter 2021)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
Ottawa Sand Dune - Volunteer Assistant	Biodiversity Conservancy International (BCI)	4
English to French Translator	CPAWS Ottawa Valley	2
Volunteer Content Creator - Écoles écocitoyennes de l'Outaouais	Enviro Educ Action	1
Volunteer Animator - Programme C-Vert	Enviro Educ Action	1
Volunteer Translator	Enviro Educ Action	1
Project Consultant: Unbuilders – the path to green, zero-waste demolition	EnviroCentre	5
Project Consultant: Garbage to Gold: innovative end uses for organic waste in social housing	EnviroCentre	6
Digital Communication Advisor	Gentle Ways for Our Planet	3
Outreach and Event Coordinator	Gentle Ways for Our Planet	2
Student Biologist, Gatineau Park	National Capital Commission (NCC)	4
Content Reviewer - Cartoons and Comics for Climate Change	Ottawa Eco-Talent Network	2
Municipal Waste Management Analysis	Ottawa Eco-Talent Network	1
TD Environmental Leaders Program - Researcher Volunteer: Bird Safe Campus	Ottawa Field-Naturalists' Club (The) (OFNC)	5
TD Environmental Leaders Program - Team Leader: Bird Safe Campus	Ottawa Field-Naturalists' Club (The) (OFNC)	1
Building Patroller - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	2
Riverkeeper volunteer	Ottawa Riverkeeper	1
VP Volunteering and Sustainability	UOCA_uOttawa EVSA (Environmental Science Association)	1
Fossil Fuel Divestment Research Student	UOSU_Sustainability Centre	1
Project Consultant: uOttawa Carbon Sequestration Strategy	uOttawa Office of Campus Sustainability	6

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Hiver 2021 / Winter 2021)

Research Assistant: Regenerative Parks (ENV 4120)	uOttawa Office of Campus Sustainability	12
TD Environmental Leaders Program: Research Volunteer – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	5
TD Environmental Leaders Program: Team Leader – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	1
International Conference on Canadian, Chinese and African Sustainable Urbanization IV (ICCCASU IV) Assistant	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	20
PPBS_Research lab volunteer	uOttawa_Faculty of Science - Department of Biology	1

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Été 2021 / Summer 2021)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
TD Environmental Leaders Program: Study of the Behaviour of Sand Wasps (<i>Bicyrtes quadrifasciatus</i>) in the Pinhey Sand Dunes	Biodiversity Conservancy International (BCI)	9
TD Environmental Leaders Program - Team Leader volunteer for the Study of the Behaviour of Sand Wasps (<i>Bicyrtes quadrifasciatus</i>) in the Pinhey Sand Dunes	Biodiversity Conservancy International (BCI)	1
Pinhey Sand Dune Restoration Assistant	Biodiversity Conservancy International (BCI)	6
Communications Volunteer	Canadian Society for Organic Urban Land Care (SOUL)	1
Researcher in International Development	Co-operative Development Foundation of Canada (CDF)	3
English to French Translator	CPAWS Ottawa Valley	1
Canadian Wilderness Stewardship Program Volunteer	CPAWS Ottawa Valley	3
Public Education Tools Developer	Development and Peace-Caritas Canada	2
Tree Giveaway Volunteer	Ecology Ottawa	10
Living City Volunteer	Ecology Ottawa	50

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Été 2021 / Summer 2021)

Research Volunteer	Ecology Ottawa	1
Marketing Volunteer	Gentle Ways for Our Planet	1
Volunteer: Video Project GottaGo! - My Ottawa Needs Public Toilets (PTs)	GottaGo Campaign	4
Parks and recreation Needs Assessment Volunteer (Greater Avalon/Orleans region)	Greater Avalon Community Association (GACA)	5
Learning garden assistant	OPIRG (Ontario Public Interest Research Group)	4
Wildlife Surveys Volunteer (Campus Green Space)	OPIRG (Ontario Public Interest Research Group)	2
Campus Green Spaces Volunteer	OPIRG (Ontario Public Interest Research Group)	10
PPBS_Pollinator and Learning Garden Assistant	OPIRG (Ontario Public Interest Research Group)	1
Building Patroller - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	2
TD Environmental Leaders Program: Mural Installation Volunteer - Bird Safe Campus	Ottawa Field-Naturalists' Club (The) (OFNC)	3
Research Assistant - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	2
PPBS_Youth Water Leader	Ottawa Riverkeeper	1
Translator (English to French)	Population Institute (FPESA)	2
Fundraising Assistant	Population Institute (FPESA)	2
CLF Ottawa Hub Co-Leader	The Carbon Leadership Forum	3
VP Equity and Sustainability (2021-2022)	UOCA_uOttawa Economics Students' Association (ESA)	1
TD Environmental Leaders Program: Research Volunteer – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	5
TD Environmental Leaders Program: Team Leader – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	1
International Conference on Canadian, Chinese and African Sustainable Urbanization IV (ICCCASU IV) Assistant	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	10
Learning garden assistant	OPIRG (Ontario Public Interest Research Group)	4

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Été 2021 / Summer 2021)

Wildlife Surveys Volunteer (Campus Green Space)	OPIRG (Ontario Public Interest Research Group)	2
Campus Green Spaces Volunteer	OPIRG (Ontario Public Interest Research Group)	10
PPBS_Pollinator and Learning Garden Assistant	OPIRG (Ontario Public Interest Research Group)	1
Building Patroller - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	2
TD Environmental Leaders Program: Mural Installation Volunteer - Bird Safe Campus	Ottawa Field-Naturalists' Club (The) (OFNC)	3
Research Assistant - Safe Wings	Ottawa Field-Naturalists' Club (The) (OFNC)	2
PPBS_Youth Water Leader	Ottawa Riverkeeper	1
Translator (English to French)	Population Institute (FPESA)	2
Fundraising Assistant	Population Institute (FPESA)	2
CLF Ottawa Hub Co-Leader	The Carbon Leadership Forum	3
VP Equity and Sustainability (2021-2022)	UOCA_uOttawa Economics Students' Association (ESA)	1
TD Environmental Leaders Program: Research Volunteer – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	5
TD Environmental Leaders Program: Team Leader – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	1
International Conference on Canadian, Chinese and African Sustainable Urbanization IV (ICCCASU IV) Assistant	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	10

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Automne 2021 / Fall 2021)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
Programming Assistant: Agricultural Greenhouse Gas Emissions Research Project	Agriculture and Agri-Food Canada	1
A New Green Strategy for AF Ottawa	Alliance Francaise Ottawa	7
Urban planing researcher	Association des résidents du Plateau	1
Member of the Urban Planning Committee	Association des résidents du Plateau	2
Environement comittee member	Association des résidents du Plateau	1
Pinhey Sand Dune Restoration Assistant	Biodiversity Conservancy International (BCI)	4
Thanks to Nature Activity Animator (In Person)	CPAWS Ottawa Valley	40
Project Consultant: Britannia Village Neighbourhood Study	Federation of Citizens' Associations of Ottawa (FCA)	4
Website Content Developer & Publisher Volunteer	Gentle Ways for Our Planet	2
Primary/Junior Educator/Program Assistant	Genvironment	3
Intermediate/Senior Educator/Program Assistant	Genvironment	4
Video project assistant	GottaGo Campaign	3
Project Consultant: GottaGo! A Strategy to Prevent Vandalism	GottaGo Campaign	5
Project Consultant: Sustainable development in Orleans-South	Greater Avalon Community Association (GACA)	7
Project Consultant: Community Composting	Just Food	5
Healthy Streets: Researching researching transportation equity and mobility justice policies and funding commitments worldwide	OPIRG (Ontario Public Interest Research Group)	5
Building Patroller - Safe Wings	Ottawa Field-Naturalists' Club (OFNC)	4
TD Environmental Leaders Program - Bird Safe Campus Volunteer Coordinator	Ottawa Field-Naturalists' Club (OFNC)	3
Global Bird Rescue Patrollers	Ottawa Field-Naturalists' Club (OFNC)	10
Communications Volunteer - Safe Wings	Ottawa Field-Naturalists' Club (OFNC)	1

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Automne 2021 / Fall 2021)

River Science Education	Ottawa Riverkeeper	3
Research Assistant	Population Institute (FPESA)	2
Bilingual Research Assistant	Population Institute (FPESA)	1
Volunteer in support of a Gender Equality and Inclusion Strategy for SeedChange	SeedChange	1
Project Consultant: Strategy to Support Canadian Food Processors	Small Scale Food Processor Association	5
Project Consultant: Feasibility study to measure our carbon footprint	Social Harvest Ottawa - Rideau-Rockcliffe Community Resource Centre	6
Climate Justice Ottawa member (2021-2022)	UOCA_Climate Justice uOttawa	20
PPBS_Volunteer - Poly Sustainability Education Program	UOCA_uOttawa Enactus Club	1
VP Volunteering & Sustainability (2021-2022)	UOCA_uOttawa EVSA (Environmental Science Association)	1
Faculty Sustainability Analyst	UOSU_Sustainability Centre	5
Climate News Reporter	UOSU_Sustainability Centre	2
Project Consultant : Free City	uOttawa Office of Campus Sustainability	6
TD Environmental Leaders Program: Research Volunteer – Strathcona Heights Gathering Garden	uOttawa Office of Campus Sustainability	5
International Conference on Canadian, Chinese and African Sustainable Urbanization IV (ICCCASU IV) Assistant	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	20
Consultant: A circular economy plan for a municipality in Gatineau	Villes et régions innovantes, Réseau de l'économie circulaire (VRIC)	7

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Hiver 2022 / Winter 2022)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
Naturehood at BWCH: working with youth to learn about nature outdoors and via the arts	Britannia Woods Community House	1
Naturehood at BWCH: working with youth to learn about nature outdoors and via the arts	Britannia Woods Community House	3
Project Consultant: Empowering Youth and Families to Create Positive Mental Health and Prevent Addiction & Self-Harm	Carp Ridge Learning Centre	7
Project Consultant for City View Community Association: A Healthy Community"	Federation of Citizens' Associations of Ottawa (FCA)	6
Project Consultant for Tanglewood-Hillsdale Community Association Inc: Integrating Sustainable Services for Neighbourhood Use	Federation of Citizens' Associations of Ottawa (FCA)	7
Research Volunteer: At risk songbirds species	Nature Canada	1
Photo Analysis Volunteer	Nature Conservancy of Canada	3
Research Assistant- Environmental Change from a Northern perspective	Northern Council for Global Cooperation (NCGC)	1
Youth Sustainability Hub Volunteer	Ottawa Biosphere Eco City (OBEC)	4
Project Consultant: Business Model Evaluation	Ottawa Eco-Talent Network	7
Composting Project Volunteer	Ottawa Eco-Talent Network	5
Environmental Outreach	Ottawa Field-Naturalists' Club (OFNC)	3
TD Environmental Leaders Program - Bird Safe Campus Project Leader	Ottawa Field-Naturalists' Club (OFNC)	1
Researcher - climate change resources	RÉSULTATS Canada / RESULTS Canada	1
Environmental Assessment collaborator	Run Ottawa	1
Research Volunteer	Sierra Club Canada Foundation	1
Growing Structures for Greens Assistant	Social Harvest Ottawa - Rideau-Rockcliffe Community Resource Centre	6
Research and Event Planning Volunteer	UOCA_Climate Justice uOttawa	2
Climate Justice Ottawa member (2021-2022)	UOCA_Climate Justice uOttawa	20

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Hiver 2022 / Winter 2022)

VP Volunteering and Sustainability	UOCA_uOttawa EVSA (Environmental Science Association)	1
Sustainability Assessment Volunteer	UOSU_Sustainability Centre	1
Faculty Sustainability Analyst	UOSU_Sustainability Centre	1
Sustainability Centre volunteer	UOSU_Sustainability Centre	4
Sustainability Centre volunteer 2	UOSU_Sustainability Centre	2
Green Reps - Residence	uOttawa Office of Campus Sustainability	30
Free Store Volunteer	uOttawa Office of Campus Sustainability	43
Alternative Student Break Project Participants - Towards a zero-waste campus – February 2022	uOttawa Office of Campus Sustainability	20
Applied Sustainability Research Project Volunteer (ENV4520)	uOttawa Office of Campus Sustainability	15
Project Consultant: Digital Marketing Plan to Grow the Free Store	uOttawa Office of Campus Sustainability	40
Applied Sustainability Research Project Volunteer (ENV4120)	uOttawa Office of Campus Sustainability	15
PBBS_Period Project Awareness and Communications Assistant	uOttawa Office of Campus Sustainability	1
Sustainability Communications Assistant	uOttawa Office of Campus Sustainability	1
Free Store Volunteer	uOttawa Office of Campus Sustainability	1
Researcher - Planetary Health	uOttawa Faculty of Medicine Direction of Planetary Health	1
Program Development Team Member - Planetary Health	uOttawa Faculty of Medicine Direction of Planetary Health	4

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Été 2022 / Summer 2022)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
TD Environmental Leaders Program: Sandy Hill Riparian Forest Biodiversity Project	Action Sandy Hill	6
Research Volunteer: Best Practices for Sustainable Transportation	Algonquin College	2
TD Environmental Leaders Program: Study of the Behaviours of the Dune Dwelling Tiger Beetles	Biodiversity Conservancy International (BCI)	12
Restoration Assistant	Biodiversity Conservancy International (BCI)	7
TD Environmental Leaders Program: We'll go far with a bike repair station: Promoting active transportation at a Housing Cooperative in Gatineau	Coopérative d'habitation l'Alternative	8
TD Environmental Leaders Program: Project Officer	Forêt Capitale Forest	9
TD Environmental Leaders Program: Community Garden Assistant	Goldenrod Community Garden	6
Learning garden assistant	OPIRG (Ontario Public Interest Research Group)	10
Campus Green Spaces Volunteer	OPIRG (Ontario Public Interest Research Group)	4
TD Environmental Leaders Program: Ecological Researcher	Ottawa Biosphere Eco City (OBEC)	6
Building Patroller - Safe Wings	Ottawa Field-Naturalists' Club (OFNC)	7
Mural Installation Volunteer - Bird Safe Campus	Ottawa Field-Naturalists' Club (OFNC)	7
TD Environmental Leaders Program Team Leader Volunteer: Richcraft Hope Green Revitalization Project	Shepherds of Good Hope	1
TD Environmental Leaders Program : Richcraft Hope Green Revitalization Project	Shepherds of Good Hope	6
Research Volunteer	Sierra Club Canada Foundation	4
Community Outreach Volunteer	Sierra Club Canada Foundation	3
Research Volunteer	Sierra Club Canada Foundation	1
Community Gardens Volunteer	uOttawa Office of Campus Sustainability	8
Free Store - Summer Volunteer	uOttawa Office of Campus Sustainability	30

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Été 2022 / Summer 2022)

Day of Service May 1 - Dump and Run Volunteer	uOttawa Office of Campus Sustainability	15
Day of Service April 30 - Dump and Run Volunteer	uOttawa Office of Campus Sustainability	15
Period Project Pilot Volunteer	uOttawa Office of Campus Sustainability	3
GEG3322 - Employee U-Pass CSL Project	uOttawa Office of Campus Sustainability	4
GEG3322 - Improving End-Facilities on Campus CSL Project	uOttawa Office of Campus Sustainability	3
GEG3322 - Bike-Friendly Certification CSL Project	uOttawa Office of Campus Sustainability	2
GEG3322 - Micro-mobility on Campus CSL Project	uOttawa Office of Campus Sustainability	5

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service Learning placements (Automne 2022 / Fall 2022)

Placement	Partenaire communautaire / Community partner	Personnes participantes / Participants
Ecology Researchers	Algonquin to Adirondacks Collaborative	4
Ecology and Environment Volunteer	Alliance Française Ottawa	1
Design of an environmental awareness campaign for high schools	Enviro Educ Action	1
Project Consultant: Review of value proposition and strategy	EnviroCentre	6
Environmental Communications volunteer	Farm Radio International	1
Research Assistant	Friends of the Gatineau River (FOG)	1
TD Environmental Leaders Program: Youth Program Facilitator	Genvironment	3
Permaculture Garden Assistant	Genvironment	2
TD Environmental Leaders Program: Program Facilitator	Genvironment	1

Placements d'apprentissage par l'engagement communautaire liés au climat / Climate-related Community Service

Learning placements (Automne 2022 / Fall 2022)

Environmental Outreach	Ottawa Field-Naturalists' Club (The) (OFNC)	6
Arctic Plant Research Assistant	University of Ottawa	2
VP-Volunteering & Sustainability	UOCA_uOttawa EVSA (Environmental Science Association)	1
VP Bilingual Affairs	UOCA_uOttawa EVSA (Environmental Science Association)	1
Media and Communications Assistant	UOSU_Sustainability Centre	1
Good News Reporter	UOSU_Sustainability Centre	1
UOSU Sustainability Training Project	UOSU_Sustainability Centre	15
Consultant: Pivik Sustainability Consultation Project	UOSU_Sustainability Centre	6
Free Store Volunteer	uOttawa Office of Campus Sustainability	30
Day of Service - Free Store Assistant August 31, 2022	uOttawa Office of Campus Sustainability	20
Green Reps	uOttawa Office of Campus Sustainability	30
Period Project Pilot Volunteer	uOttawa Office of Campus Sustainability	10
Edible Landscapes Volunteer	uOttawa Office of Campus Sustainability	10
Project Consultant: Sustainability Outpost	uOttawa Office of Campus Sustainability	6
International Conference on Canadian, Chinese and African Sustainable Urbanization IV (ICCCASU IV) Assistant	uOttawa_Faculty of Arts - Department of Geography, Environment and Geomatics	10
Consultant-e : Solutions de l'économie circulaire - Axe milieux humides (Équipe 1)	Villes et régions innovantes, Réseau de l'économie circulaire (VRIC)	6
Consultant-e : Solutions de l'économie circulaire - Axe agroalimentaire (Équipe 2)	Villes et régions innovantes, Réseau de l'économie circulaire (VRIC)	7
Consultant-e : Solutions de l'économie circulaire - Axe forêt et arbres (Équipe 3)	Villes et régions innovantes, Réseau de l'économie circulaire (VRIC)	6

Rapports de l'Institut pour l'IntelliProspérité 2020-2022 / Smart Prosperity Reports 2020-2022 (Lien direct avec le changement climatique / Direct link to climate change)

Titre / Title	Année / Year	Rapport / Report
Insurance in a changing climate: Clarifying the sector's role in supporting sustainable behaviour	2020	<u>Halo Effect</u>
Municipal Natural Assets Initiative Results from the Second National Cohort	2020	<u>Municipal Assessment</u>
The Resilient Recovery Framework	2020	<u>Resilient Framework</u>
The Low Carbon Policy Ecosystem	2020	<u>Carbon Pricing</u>
The stories that bind us: electromobility transition storylines in Québec, Ontario, and Alberta	2020	<u>Electromobility</u>
Wetlands can be Infrastructure too	2021	<u>Wetlands</u>
Growing Forests in a City	2021	<u>Carbon Pricing</u>
Can Green Roofs Help Cities Respond to Climate Change?	2021	<u>Urban Trees</u>
Circular Economy Global Sector Best Practices Series - Part six: Bioeconomy	2021	<u>Green Roof</u>
Circular Economy Global Sector Best Practices Series - Part seven: Automotive Manufacturing	2021	<u>Bioeconomy</u>
Clean Growth in Canada's Agriculture and Agri-food Sector	2021	<u>Manufacturing</u>
A green and healthy recovery	2021	<u>Agri-Food</u>
Solar and Wind Energy in Canada	2021	<u>Health & Green</u>
Agile Regulation for Clean Energy Innovation	2021	<u>Energy</u>
The Health Co-Benefits of a Clean Growth Future	2021	<u>Agile Regulation</u>
The Benefits of Cleaner Air	2021	Clean Growth Future
Protecting Northern Peatlands: A vital cost-effective approach to curbing Canada's climate impact	2021	<u>Clean Air</u>
A Circular Agriculture and Agri-food Economy for Canada	2021	<u>PeatLands</u>
Canada's Future in a Net-Zero World	2022	<u>Canada's Future</u>
Efficient Nitrogen Fertilizer Management	2022	<u>Nitrogen Fertilizer</u>
Tracking Progress to the Future	2022	<u>Hydrocarbons</u>
Same Game, New Rules	2022	<u>Same Game New Rules</u>
Jobs and skills in the transition to a net-zero economy: A foresight exercise	2022	<u>Jobs and Skills</u>
Building Climate Resilience in Canada's Pension Funds	2022	<u>Climate Resilience</u>

Rapports de l'Institut pour l'IntelliProspérité 2020-2022 / Smart Prosperity Reports 2020-2022 (Lien direct avec le changement climatique / Direct link to climate change)

Exploring Canada's Circular Export Potential	2022	Circular Export
Strategies and Policies for Integrating the Canadian Financial Sector into Financing the Transition to a Low-Carbon Economy	2020	<u>Financial Sector Integration</u>
Green stimulus in a post-pandemic recovery: the role of skills for a resilient recovery	2020	<u>Green Stimulus</u>
A Systematic Review of the Key Elements of a Just Transition For Fossil Fuel Workers	2020	<u>Sustainable transition for fossil fuel workers</u>
Nature-Based Solutions: Policy Options for Climate & Biodiversity	2020	<u>Nature based solution</u>
Environmental Taxes and Productivity: Lessons from Canadian Manufacturing	2020	<u>Canadian Manufacturing</u>
The Employment Impact of Green Fiscal Push	2020	<u>Green fiscal employment impact</u>
The Resilient Recovery Framework	2020	<u>How Canada can be competitive in the clean economy</u>
Manufacturing Output and Extreme Temperature	2020	<u>Relationship between manufacturing output and extreme temperatures</u>
Evaluating Future Fitness	2021	<u>Energy sector future fitness</u>
Made in Ontario: A Provincial Manufacturing Strategy	2021	<u>Provincial manufacturing transition</u>
Ontarians on the Move - Local Intelligence Report - Hamilton	2021	<u>City emigration effect on local emssion</u>
Fast Fashion: Why Firms Incinerate Deadstock, and Public Policies	2021	<u>Policy overview of incineration of dead-stock</u>
Circular Food Solutions in Canada: A Coast to Coast Landscape Scan	2021	<u>Food solution to achieving net zero</u>
Multi-Level Governance and Climate Change Adaptation Planning	2021	<u>Climate change adaptation</u>
Canadian Pensions Dashboard for Responsible Investing	2021	<u>Financial sustainability towards net zero</u>
Rooted in place: Regional innovation, natural assets, and the politics of electric vehicle leadership in California, Norway, and Québec	2021	Regional transportation impact

**Rapports de l'Institut pour l'IntelliProsperité 2020-2022 /
Smart Prosperity Reports 2020-2022
(Lien direct avec le changement climatique / Direct link to climate change)**

Taking the tax system to task	2021	<u>Utilizing tax as reduce emission</u>
Renewal and Reinvention of Alberta's Hydrocarbon Cluster	2021	<u>Energy sector transformation to achieving net zero</u>
Buying Better	2022	<u>Pushing cleaner consumption</u>
Extending the Funding Canopy	2022	<u>Economically valued nature based solution to tackling climate change</u>
Governing through electric vehicle uncertainty	2022	<u>Transportation cleanup</u>
Forecast for Failure	2022	<u>How housing shortage might affect climate change</u>
Shed Light, Build Resilience Series - Part 1	2022	Climate change effect on livelihood

Émissions de type 1 du groupe U15 / U15 Scope 1 Emissions

Campus	Émissions / Emissions	Année de référence / Reporting year	Source
uAlberta	139,643	2018-19	https://reports.aashe.org/institutions/university-of-alberta-ab/report/2020-06-24/OP/air-climate/OP-1/
University of Toronto	92,750	2020	https://climatepositive.utoronto.ca/
uCalgary	86,931	2017-18	https://storage.googleapis.com/stars-static/secure/302/7/650/4844/University%20of%20Calgary%20GHG%20Inventory%20-%20Report%202017-2018_1.pdf
uSaskatchewan	64,681	2020	https://sustainability.usask.ca/documents/2020-greenhouse-gas-inventory-report.pdf
Western	54,163	2019	https://storage.googleapis.com/stars-static/secure/258/8/751/6805/Western_University_2019_GHG_Reporting.pdf
UBC	40,514	2020	https://sustain.ubc.ca/sites/default/files/UBC_GHG_Inventory_2020.pdf
MacMaster	38,380	2019	https://facilities.mcmaster.ca/app/uploads/2021/05/Net-Zero-Carbon-Roadmap-Report-ver-5.pdf
Queen's	37,429	2020	https://www.queensu.ca/facilities/sites/facilwww/files/uploaded_files/Reports/Energy/Annual%20Energy%20and%20GHG%20Report%202020.pdf
McGill	35,700	2018	https://storage.googleapis.com/stars-static/secure/117/8/751/6805/McGill_GHG_Inventory_Report_-_CY2018_4Q06jll.pdf
uWaterloo	33,970	2020	https://uwaterloo.ca/sustainability/our-progress/climate-and-energy-data
uMontréal	30,816	2021	storage.googleapis.com/stars-static/secure/899/8/751/6805/Universite_de_Montreal_GHG_emissions.pdf
Dalhousie	27,819	2019-20	https://reports.aashe.org/institutions/university-of-calgary-ab/report/2018-12-13/OP/air-climate/OP-1/
uManitoba	26,804	2016-17	https://storage.googleapis.com/stars-static/secure/542/7/650/4844/UM%20GHG%20Inventory%20v2.pdf
uLaval	21,743	2020-21	https://www.ulaval.ca/sites/default/files/DD/PDF/Bilans_GES/BilanGES-2020-2021.pdf
uOttawa	20,018	2019	https://www.uOttawa.ca/sites/g/files/bhrsksd336/files/2021-11/sipr-20-dwm-1348-climatechangereport2020_eng_v5_web.pdf