



# **2020 Annual Report** on Advancing the United Nations Sustainable Development Goals



**Lakehead**  
UNIVERSITY



**Lakehead University’s 2018-2023 Strategic Plan and 2019-2024 Academic Plan both articulate the University’s longstanding commitments to advancing the United Nations Sustainable Development Goals.**

Specifically, Lakehead’s Academic Plan acknowledges that many social, economic, and environmental changes are magnified in the communities Lakehead serves, presenting real world challenges that Lakehead is well positioned to help address through innovative approaches to teaching, learning, research, and expanded community partnerships that are focused on developing the next generation of leaders equipped with the skills and experience required to address global challenges.

This presents an opportunity for Lakehead to develop regional education ecosystems in Northwestern Ontario and Simcoe County through expanded partnerships that align to these “grand” societal challenges, positioning Lakehead as a beacon, both locally and globally, as a leader in sustainability, social justice, and Indigenous education.

Lakehead’s locations in Northwestern Ontario and Simcoe County provide a unique and profound perspective on the multi-dimensional aspects of sustainability, including human and ecological health, culture and Indigenous rights, social justice, secure livelihoods, and workplace well-being. Lakehead’s Thunder Bay campus is situated beside one of the world’s largest freshwater lakes, Lake Superior, and next to the boreal forest, uniquely positioning it to contribute a northern voice to critical discussions on sustainability.

Lakehead University recognizes the achievement of the Sustainable Development Goals requires cross-sector collaboration. Success is dependent on a collective working together to advance solutions through sharing of resources, knowledge and expertise, and development of innovative partnerships to advance pioneering solutions to these global challenges.

Finally, recognizing the importance of knowledge exchange in support of advancing the goals, included in this report is an overview of how Lakehead is advancing each of the SDGs through data, measurement, partnerships, and operations.

# 1 NO POVERTY



Lakehead University's campuses are located in regions in which the median income is below the provincial and national average. As one of the largest employers, post-secondary institutions and economic hubs in Northwestern Ontario and Simcoe County, Lakehead University has a direct impact on the economic and social resiliency in the regions it serves.

## SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**54%**

of domestic undergraduate students at Lakehead receive financial aid (2019/20)

**\$11+ M**

in scholarships and bursaries are provided by Lakehead annually to support student access (2020/21)

**54%**

of domestic undergraduate students at Lakehead are from rural/northern communities (2019/20)

## RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**26**

publications related to this SDG were authored by members of the Lakehead community (2019)

**2**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**4**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

## PARTNERSHIPS / OUTREACH / STEWARDSHIP

**140+ people**

supported through Lakehead University Community Legal Services in Northwestern Ontario (2019/20), which provides free legal services to help provide access to justice to vulnerable and marginalized residents of the Thunder Bay and surrounding area.

**WUSC Student Refugee Program**

supported by Lakehead University and Lakehead University Student Union, to bring refugee students to study in Canada as permanent residents

**Chair of Truth and Reconciliation, Dr.**

Cynthia Wesley-Esquimaux, participates in policy making at all levels, contributing as a nationally recognized expert to discussions and program development focused on tackling social inequalities facing Canada's Indigenous population

## OPERATIONS

Plans & Commitments

- Lakehead University Strategic Plan
- Lakehead University Academic Plan
- Universities Canada Principles on Social Impact

Operations

- Lakehead University Student Central
- Lakehead University Indigenous Student Services Centre
- Lakehead International

## 2 ZERO HUNGER



Recognizing food is a key element of sustainable development, Lakehead University is actively contributing to end hunger, achieve food security and improved nutrition in rural and remote communities, and is promoting sustainable agricultural practices through partnerships with local farmers. Lakehead University has also joined forces with its student union and community partners to support the LUSU Food Bank to support food security on campus.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

~375

learners are studying agriculture programs at Lakehead University each year

~450

graduates of agriculture programs at Lakehead University over the past 5 years (2016-2020)

#### Lakehead University Agricultural Research Station

uses small-plot research to introduce and assess crop varieties and agricultural management practices

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

34

publications related to this SDG were authored by members of the Lakehead community (2019)

3

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

5

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### Food Security Committee

is a collaboration between Student Affairs, student groups and administration, offering support programs including a food bank, food pantry, and weekly free hot lunch program to students

#### LUSU Food Bank

provides assistance to students who need support through donations and through on-campus garden and greenhouse projects

#### Community Campus Garden

offers individuals and groups from the community an opportunity to grow their own food on the Lakehead Thunder Bay campus

### OPERATIONS

Plans & Commitments

- Lakehead University Strategic Plan
- Lakehead University Academic Plan
- Lakehead University Wellness Plan
- Lakehead University Sustainability Action Plan

Policies

- Lakehead University Supply Chain Code of Ethics

Operations

- Lakehead University Greenhouse
- Lakehead Community Gardens (located at Lakehead Thunder Bay and Lakehead Orillia campuses)
- Lakehead University Student Central
- Lakehead University Indigenous Student Services Centre
- Lakehead International

### 3 GOOD HEALTH AND WELL-BEING



Lakehead University recognizes that ensuring healthy lives and promoting well-being at all ages is essential to sustainable development. Lakehead supports advancement of SDG 3 through the development of health human resources, through extensive research and outreach related to health in the regions we serve, partnering with local, regional and national partners, and by reviewing and changing our own practices.

#### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~1,900**

learners are studying health programs at Lakehead University each year

**2,775+**

graduates of health programs at Lakehead University over the past 5 years (2016-2020)

**97%**

of learners in health programs at Lakehead faced at least one barrier to accessing university (2020)

#### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**467**

publications related to this SDG were authored by members of the Lakehead community (2019)

**7**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**7**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

#### PARTNERSHIPS / OUTREACH / STEWARDSHIP

##### Elder in Residence Program

provides culturally appropriate individual and group support, access to Sweat Lodge ceremonies and medicine garden, and the sharing of traditional language, knowledge, culture, and history to students and staff by Indigenous community Elders and traditional knowledge keepers

##### Active U

program provides opportunities for children to participate in recreational multi-sport and activity camps promoting an active lifestyle and unique learning experiences led by Lakehead University athletes and students

##### Dementia Café

Is an ongoing partnership between the Alzheimer Society of Thunder Bay, CERAH (Lakehead University) and Urban Abbey to provide a safe environment for people living with dementia and their care partners to socialize

#### OPERATIONS

Plans & Commitments	<ul style="list-style-type: none"> <li>• Signatory to the Okanagan Charter</li> <li>• Lakehead University Wellness Strategy</li> </ul>
Policies	<ul style="list-style-type: none"> <li>• Lakehead University Smoking on Premises Policy</li> <li>• Lakehead University Recreational Cannabis on Premises Policy</li> <li>• Lakehead University Indigenous and Aboriginal Cultural Ceremonies Policy</li> </ul>
Operations	<ul style="list-style-type: none"> <li>• Lakehead University Student Health and Wellness</li> <li>• Lakehead University Student Central</li> <li>• Lakehead University Indigenous Student Services Centre</li> </ul>

## 4 QUALITY EDUCATION



Lakehead's Academic Plan outlines the University's belief in the transformational power of education, not only for the individual, but because of the broader impact of education in shaping the world around us. Lakehead is committed to continuing to provide access, equity and supports necessary for diverse learners to realize their potential while developing leaders and changemakers who will inform solutions to challenging real world.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~870**

learners are studying education programs at Lakehead to gain the qualification to teach primary school each year

**1,950+**

graduates with a qualification to teach primary school from Lakehead University over the past 5 years (2016-2020)

**43%**

of domestic undergraduate students at Lakehead are first generation (first in their family to attend university, 2019/20)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**71**

publications related to this SDG were authored by members of the Lakehead community (2019)

**4**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**3**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### 156 participants in the Achievement Program

Students in grades 4-12 participated in academic and recreational programming, both at their school, the community and on campus at Lakehead University through the Lakehead Achievement Program (2019/20)

#### 700 participants in Third Age Learning

events hosted by the Lakehead University Office of Community Engagement and Lifelong Learning (CELL, 2019/20)

#### 100+ students in Lakehead University Humanities 101 and 201

a community-based outreach program, which ensures that community members, who have a love of learning, have access to a university-level educational experience despite financial or social barriers (2019/20)

### OPERATIONS

#### Plans & Commitments

- Lakehead University Equity, Diversity and Inclusion Action Plan

#### Policies

- Lakehead University Harassment and Discrimination Policy and Procedures
- Lakehead University Accommodations and Access for Students with Disabilities/Medical Conditions Policy

#### Operations

- Lakehead University Student Central
- Lakehead University Indigenous Student Services Centre
- Lakehead International

## 5 GENDER EQUALITY



Recognizing gender equality is a fundamental human right, and a foundation for a peaceful, prosperous and sustainable world, Lakehead University is committed to providing women and girls with equal access to education and professional opportunities, while also supporting gender equality in the communities we serve.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**55%**

of students enrolled in undergraduate and graduate programs at Lakehead are female (2020/21)

**31%**

of students in undergraduate and graduate STEM programs are female (2020/21)

**6,600+**

credentials awarded to female students over the past five years (2016-2020)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**50**

publications related to this SDG were authored by members of the Lakehead community (2019)

**7**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**3**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### Superior Science

runs *Girls Club*, providing hands-on STEM activities and mentorship to girls in grade 2 to 7

**35%**

of full-time faculty at Lakehead are female (2020/21)

#### Nanabijou Child Care Centre

at Lakehead Thunder Bay provides childcare for children ranging from infancy to school age

### OPERATIONS

#### Plans & Commitments

- Lakehead University 2018-2023 Strategic Plan
- Lakehead University 2019-2024 Academic Plan
- Lakehead University Equity, Diversity and Inclusion Action Plan

#### Policies

- Employment Equity
- Sexual and Gender Based Violence Response Policy
- Name and Gender Identifier Change Policy and Procedures
- Workplace Leaves of Absences
- Employee Code of Conduct
- Harassment and Discrimination Policy and Procedures

#### Operations

- Office of Human Rights and Equity
- Gender Equality Centre

## 6 CLEAN WATER AND SANITATION



Clean water is vital to the health of agriculture, aquaculture and to society. Lakehead University is actively working, through teaching, learning and research partnerships, to ensure access to water and sanitation.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**1,400+**

learners are studying programs in fields related to clean water and sanitation at Lakehead University each year

**1,950+**

graduates of programs in fields related to clean water and sanitation at Lakehead University over the past 5 years (2016-2020)

**~150**

graduates of programs in fields related to clean water and sanitation at Lakehead University over the past 5 years (2016-2020) are from lower income countries

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**104**

publications related to this SDG were authored by members of the Lakehead community (2019)

**5**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**5**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### Braun Building Rain Garden

captures stormwater runoff from the Lakehead's Braun Building roof reducing urban water runoff and protecting water quality that enters the McIntyre River and Lake Superior

**15**

public-access filtered, chilled water bottle filling stations on Lakehead campuses

**23.96 m3**

of water usage per person at Lakehead University (2019)

### OPERATIONS

#### Plans & Commitments

- Lakehead University Sustainability Action Plan

#### Policies

- Lakehead University Orillia Bottled Water Policy
- Sustainable Building Policy

#### Facilities

- Water-conscious planting
- Braun Building Rain Garden



## 7 AFFORDABLE AND CLEAN ENERGY



Energy is central to nearly every major challenge and opportunity the world faces today and access to energy for all is essential. Lakehead University is actively promoting and supporting clean energy initiatives through research, outreach, and by changing our own behaviours and practices in areas including investments and usage.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~1,500**

learners are studying programs related to affordable and clean energy at Lakehead University each year

**2,325+**

graduates of programs in fields related to affordable and clean energy at Lakehead University over the past 5 years (2016-2020)

**~375**

graduates of programs in fields related to clean water and sanitation at Lakehead University over the past 5 years (2016-2020) are from lower income countries

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**160**

publications related to this SDG were authored by members of the Lakehead community (2019)

**4**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**6**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

**1.069 GJ/m2**

of Energy usage in 2019

**Commitment to Divest from Fossil Fuels by 2023**

made by Lakehead University's Board of Governors in 2020

**Leadership in Energy and Environmental Design (LEED)**

Platinum certified Lakehead Orillia campus; Gold certified CASES building at Lakehead Thunder Bay

### OPERATIONS

Plans & Commitments

- Responsible investment policy
- Lakehead University Sustainability Action Plan
- Conservation and Demand Management Plan

Policies

- Lakehead University Sustainable Building Policy
- Lakehead University Responsible Investment Policy

## 8 DECENT WORK AND ECONOMIC GROWTH



Decent work in safe and stable conditions is a vital component to a strong, healthy and resilient society. Lakehead University, as an employer, as a learning institution, and as a partner, is embracing its role in helping develop new and fairer ways of working, and in positively influencing economic development in local communities.

### SUPPORTING ECONOMIC GROWTH IN THE REGIONS WE SERVE

**\$1.61 B**

total economic impact of Lakehead University on Ontario's GDP (2019/20)

**\$1.42 B**

Total economic impact of Lakehead Thunder Bay on Ontario's GDP (2019/20)

**\$189.6 M**

Total economic impact of Lakehead Orillia on Ontario's GDP (2019/20)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**58**

publications related to this SDG were authored by members of the Lakehead community (2019)

**4**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**7**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

**48.1%**

of students participated in a professional practicum local industry partners (2019/20)

**66.3%**

of Lakehead's undergraduate students participated in Work Integrated Learning (2019/20)

**100%**

of undergraduate students have an experiential learning opportunity (2019/20)

### OPERATIONS

Plans & Commitments	<ul style="list-style-type: none"> <li>Lakehead University Equity, Diversity and Inclusion Action Plan</li> </ul>
Policies	<ul style="list-style-type: none"> <li>Harassment and Discrimination Policy and Procedures</li> <li>Diversity Awareness</li> <li>Employment Recruitment</li> <li>Supply Chain Code of Ethics</li> <li>Employment Equity</li> <li>Employee Code of Conduct</li> </ul>
Operations	<ul style="list-style-type: none"> <li><i>Lakehead Career Zone</i> offers resume building supports, job searching services, interview preparation and career exploration resources for students.</li> <li>The <i>Office of Innovation, Partnerships and Economic Development</i> promotes the establishment of industry-academic research partnerships and research agreements between with researchers, industry, government and non-profits organizations.</li> </ul>

## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



Lakehead University is facilitating entrepreneurship throughout Northwestern Ontario and Simcoe County in an innovative, sustainable and culturally appropriate way. This includes modeling behaviours that support innovation and working with local and global industry partners to advance teaching, learning and research partnerships and community development in support of culturally appropriate and environmentally sustainable social and economic objectives.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~675**

learners are studying business and entrepreneurship programs at Lakehead University each year

**1,000+**

graduates of business and entrepreneurship programs at Lakehead University over the past 5 years (2016-2020)

**52**

participants in Disrupt-it event (2019/20)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**52**

publications related to this SDG were authored by members of the Lakehead community (2019)

**5**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**15**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### President's Advisory Council on Economic Development

advises the President of Lakehead University of opportunities within the regional economic development ecosystem with a focus on strategic partnerships with local communities, municipalities, business, and industry in Simcoe County

**134**

research partnerships with municipalities, government, research institutes & industry (2019/20)

**\$21,314,690**

In total research income awarded to Lakehead University (2019)

### OPERATIONS

#### Plans & Commitments

- Lakehead University Strategic Plan
- Lakehead University Academic Plan
- President's Advisory Council on Economic Development

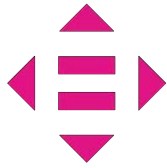
#### Policies

- Research Integrity Policy and Procedures
- Intellectual Property Policy

#### Operations

- Ingenuity (student incubator space)
- Teaching Innovation Award
- Research and Innovation Week

## 10 REDUCED INEQUALITIES



Recognizing equality needs to underpin every aspect of sustainability if the Sustainable Development Goals are to be successfully advanced, Lakehead University has a longstanding commitment to social justice, to access and equity to postsecondary education, and to supporting diverse learners achieve their potential. Lakehead University has made an explicit commitment to equity, diversity and inclusion in the interest of providing an inclusive, equitable and accessible environment in its University community, and is actively partnering to advance research and knowledge exchange in this area.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**95%**

of domestic undergraduate students at Lakehead face barriers to accessing university education (2019/20)

**56%**

of domestic undergraduate students at Lakehead are from rural/northern communities (2019/20)

**14%**

of Lakehead's domestic student population self identifies as Indigenous (2019/20)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**56**

publications related to this SDG were authored by members of the Lakehead community (2019)

**8**

Lakehead Research Chairs are conducting focused research related to this SDG (2020)

**7**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

**17.2%**

of Lakehead's student body are international students from ~70 countries (2019/20)

**4,550+**

students participated in the Aboriginal Mentorship Program (2019/20)

**96.7%**

of graduates are employed within 2 years of graduation from baccalaureate program (2019/20)

### OPERATIONS

#### Plans & Commitments

- Lakehead University Equity, Diversity and Inclusion Action Plan
- Lakehead University Strategic Plan
- Lakehead University Multi-Year Accessibility Plan
- Accessibility @ Lakehead University

#### Policies

- Harassment and Discrimination Policy and Procedures
- Accommodations and Access for Students with Disabilities/Medical Conditions Policy
- Provision of University Goods and Services to Persons with Disabilities
- Accommodation for Employees with Disabilities Policy (temporary and permanent, work/non-work related)

#### Operations

- Office of Human Rights and Equity
- Student Central
- Indigenous Student Services Centre
- Lakehead International

## 11 SUSTAINABLE CITIES AND COMMUNITIES



As a comprehensive regional university, Lakehead recognizes its role in supporting positive interactions and supporting learning, knowledge creations knowledge exchange and collaboration in support of strong, resilient, and sustainable communities. This includes Lakehead University's continued efforts to address the Truth and Reconciliation Commission Calls for Action through education and dialogue inside and outside the classroom, creating opportunities to maintain and showcase music, art, artifacts, culture, language, and Indigenous knowledge on behalf of the community, and contributions to the ongoing development of community-engaged scholarship.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~4,500**

learners are studying programs in fields such as engineering, science, health and social sciences at Lakehead University each year

**5,650+**

graduates of programs in fields such as engineering, science, health and social sciences at Lakehead University over the past 5 years (2016-2020)

**78.3%**

of Lakehead's undergraduate students participated in Community Service Learning (2019/20)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**44**

publications related to this SDG were authored by members of the Lakehead community (2019)

**7**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**10**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

**\$2+ M**

arts and heritage expenditure (2019/20)

**6,629 km**

travelled during the Commuter Challenge using sustainable modes of transportation during, a week long national competition (2019)

**Lakehead Arts Integrated Research (LAIR) Galleries**

include 7 gallery spaces on the Thunder Bay campus that are open to the public to promote exemplars of inquiry, research, teaching, and learning through various art forms.

### OPERATIONS

Plans & Commitments

- Lakehead University Equity, Diversity and Inclusion Action Plan
- Lakehead University Sustainability Action Plan

Policies

- Lakehead University Moving/Travel Allowances
- Lakehead University Sustainable Building Policy

## 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



Lakehead University recognizes that for the world to develop sustainably and responsibly, we need to be more responsible about not only how we consume goods, but also how we produce goods. Through dedicated programming in areas such as Engineering, Sustainability and Social Justice, and through operationalization of commitments in the University's Sustainability Action Plan, Lakehead is developing a community focused on efficient use of resources and the minimization of waste.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~350**

learners are studying programs related to responsible consumption and production at Lakehead University each year

**525+**

graduates of programs in fields related to responsible consumption and production at Lakehead University over the past 5 years (2016-2020)

#### Lakehead University Agricultural Research Station

conducts research on a number of crops and crop varieties and beneficial management practices in its operational areas

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**60**

publications related to this SDG were authored by members of the Lakehead community (2019)

**4**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**5**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

**30 mt**

of waste was recycled (2019)

**438 mt**

of waste was sent to landfill (2019)

#### Green Thread

is an environmental sustainability strategy used by Lakehead University campus food services provider focusing on reducing the environmental impact by responsible sourcing, waste minimization, and operational efficiency

### OPERATIONS

#### Plans & Commitments

- Lakehead University Sustainability Action Plan
- Lakehead University Sustainability Plan Progress Report
- Aramark Green Thread

#### Policies

- Lakehead University Procurement Policy
- Lakehead University Hazardous Waste Disposal Standard
- Lakehead University Waste Disposal
- Lakehead University Orillia Bottled Water Policy
- Lakehead University Supply Chain Code of Ethics

## 13 CLIMATE ACTION



Science demands a dramatic reduction in greenhouse gas emissions in each year of this decade to avoid the worst of human-caused climate change and to reduce the impact of climate change among the world's poorest populations. Lakehead University recognizes its role in acting to address climate issues through research, partnerships, stewardship in its own behaviours such as reducing carbon use, knowledge creation and exchange, and through education.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**2,700+**

learners are studying programs in fields related to climate action at Lakehead University each year

**3,850+**

graduates of programs in fields related to climate action at Lakehead University over the past 5 years (2016-2020)

**400+**

graduates of programs in fields related to climate action at Lakehead University over the past 5 years (2016-2020) self-identify as Indigenous

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**66**

publications related to this SDG were authored by members of the Lakehead community (2019)

**9**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**9**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

**~216,323 GJ**

of energy was used from low-carbon sources (2019)

**Commitment to Divest from Fossil Fuels by 2023**

made by Lakehead University's Board of Governors in 2020

**Memorandum of Understanding with Forest Science Research and Education,**

Lakehead University and Confederation College to advance opportunities in forest science research and education that may exceed what the organizations could do separately

### OPERATIONS

Plans & Commitments

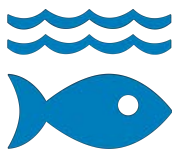
- Lakehead University Sustainability Action Plan
- Lakehead University Conservation and Demand Management Plan

Policies

- Lakehead University Sustainable Building Policy



## 14 LIFE BELOW WATER



Lakehead University, located on the north shore of Lake Superior and in the midst of the boreal forest, has a unique role to play in contributing to the advancement of SDG 14, Life Below Water. Through dedicated programming focused on developing future leaders in areas such as water resource management, collaborative local and international research partnerships, and ongoing community education, Lakehead University is supporting the protection and enhancement of aquatic ecosystems.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~1,600**

learners are studying programs in fields related to life below water at Lakehead University each year

**2,150+**

graduates of programs in fields related to life below water at Lakehead University over the past 5 years (2016-2020)

**130+**

graduates of programs in fields related to life below water at Lakehead University over the past 5 years (2016-2020) self-identify as Indigenous

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**28**

publications related to this SDG were authored by members of the Lakehead community (2019)

**2**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**6**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### Thunder Bay Remedial Action Plan (RAP)

is facilitated by Lakehead, in partnership with Environment & Climate Change Canada, Ontario's Ministry of the Environment, Conservation and Parks and the Ministry of Northern Development, Mines, Natural Resources and Forestry. Through the RAP, Lakehead builds awareness of restrictions on fish consumption, negative pressures on fish populations and loss of species diversity.

#### International Institute for Sustainable Development-Experimental Lakes Area

is an exceptional natural laboratory comprised of 58 small lakes and their watersheds located in a remote region of Northwestern Ontario. Lakehead and the IISD-ELA have a collaborative partnership that facilitates research collaboration on whole ecosystems.

#### Lake Superior Living Labs Network

supports programs on an on-going basis to bring sustainability solutions to life through community-engaged teaching, research, and action across the Lake Superior watershed.

### OPERATIONS

#### Plans & Commitments

- Lakehead University Sustainability Action Plan

#### Policies

- Lakehead University Sustainable Building Policy
- Lakehead University Hazardous Waste Disposal Standard
- Lakehead University Orillia Bottled Water Policy



## 15 LIFE ON LAND



Lakehead University, located on the north shore of Lake Superior and in the midst of the boreal forest, has a unique role to play in contributing to the advancement of SDG 15, Life on Land. Through dedicated programming focused on developing future leaders in areas including natural resources management, and environmental studies, and through collaborative local and international research partnerships, and ongoing community education, Lakehead University is actively contributing to sustainably manage forests, halt and reverse land degradation, and halt biodiversity loss.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~1,700**

learners are studying programs in fields related to life on land at Lakehead University each year

**2,175+**

graduates of programs in fields related to life on land at Lakehead University over the past 5 years (2016-2020)

**100**

students participated in the Ontario Master Naturalist program offered by Lakehead University

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**94**

publications related to this SDG were authored by members of the Lakehead community (2019)

**3**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**12**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / PROGRAMS

#### Office of Sustainability

offers free educational programs including sustainability and foraging walks that educate students and the public on Lakehead's commitment to a sustainable campus and protecting local ecosystems

#### M'wade Gaazhi Namaadibinaanowin Outdoor Classroom

was constructed as a space where students and the community can learn more about local boreal ecosystems and local native plant species.

#### Claude Garton Herbarium

located at Lakehead University's Thunder Bay campus monitors and collects information on over 100,000 species in Northwestern Ontario, and in national and global boreal ecosystems

### OPERATIONS

#### Plans & Commitments

- Lakehead University Sustainability Action Plan

#### Policies

- Lakehead University Procurement Policy
- Lakehead University Sustainable Building Policy
- Lakehead University Orillia Bottled Water Policy
- Lakehead University Hazardous Waste Disposal Standard
- Lakehead University Biosafety Committee Terms of Reference

## 16 PEACE, JUSTICE AND STRONG INSTITUTIONS



To advance the United Nations Sustainable Development Goals, institutions must be positioned to focus on delivering on the SDGs. Lakehead University is actively contributing to the advancement of SDG 16, Peace, Justice and Strong Institutions, through dedicated programming in fields such as Law and Social Justice, while also leading knowledge exchange, dialogues and teaching and research partnerships with members of the community, government agencies and non-government organizations to advance policies that support the realization of the Sustainable Development Goals.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**~575**

learners are studying law and enforcement related programs at Lakehead University each year

**~725**

students have graduated from law and enforcement related programs over the past five years (2016-2020)

**100%**

of undergraduate programs at Lakehead University include Indigenous content and learning (2019/20)

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**82**

publications related to this SDG were authored by members of the Lakehead community (2019)

**6**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**6**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

#### Chair on Truth and Reconciliation

is an ambassador for Truth and Reconciliation initiatives at Lakehead University, engaging communities in Northwestern Ontario, Simcoe County and at provincial and national levels.

#### Ojimaawin Indigenous Education Council

is an advisory council to the President, providing a channel for communications between Indigenous peoples and the University

#### Global Indigenous Speaker Series

highlights the theory, research and practice of international Indigenous scholars providing outreach, general education and capacity building related to culture, society, climate change, law and health from an Indigenous knowledge holder perspective

### OPERATIONS

Plans & Commitments	<ul style="list-style-type: none"> <li>Lakehead University Board of Governors By-Laws</li> <li>Ojimaawin-Aboriginal Governance Council By-Laws</li> <li>Lakehead University Aboriginal Management Council</li> </ul>
Policies	<ul style="list-style-type: none"> <li>Lakehead University Free Expression Policy</li> <li>Lakehead University Supply Chain Code of Ethics</li> <li>Lakehead University Employee Code of Conduct</li> <li>Lakehead University Student Code of Conduct – Non-Academic</li> </ul>
Operations	<ul style="list-style-type: none"> <li>Lakehead University Student Union (LUSU)</li> <li>Lakehead University Faculty Association (LUFA)</li> </ul>

## 17 PARTNERSHIPS FOR THE GOALS



Lakehead University recognizes the achievement of the Sustainable Development Goals requires cross-sector collaboration. Success is dependent on a collective working together to advance solutions through sharing of resources, knowledge and expertise, and development of innovative partnerships to advance pioneering solutions to these global challenges. Lakehead University supports the realization of the Sustainable Development Goals through collaboration and partnership between institutions, government, industry, community and Indigenous partners, through stewardship, and ongoing publication of data and evidence.

### SUPPORTING ACCESS TO POST SECONDARY EDUCATION

**50%**

of domestic undergraduate students have transferred from another institution to study at Lakehead (2019/20)

#### **Lakehead Georgian Partnership**

offers students the opportunity to graduate with both a college diploma and a university degree in a four-year period

#### **All Nations Nurses Entry Program,**

delivered with Seven Generations Education Institute, encourages learners to pursue careers as Registered Nurses while remaining in their communities

### RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES

**1,095**

publications related to this SDG were authored by members of the Lakehead community (2019)

**4**

Lakehead University Research Chairs are conducting focused research related to this SDG (2020)

**9**

Research Centres at Lakehead are doing focused work related to this SDG (2020)

### PARTNERSHIPS / OUTREACH / STEWARDSHIP

Lakehead is a member of the **Sustainable Development Solutions Network (SDSN) Canada**, a collective of universities, colleges, research centres, and knowledge institutions to promote practical solutions for sustainable development.

Lakehead is a member of the **Inter-American Organization for Higher Education (IOHE)**, contributing to the transformation of Higher Education Institutions, while building and creating common spaces of Inter-American collaboration.

Lakehead is a member of **Universities Canada**, which fosters collaboration among universities and governments, the private sector, communities and international partners to help build a better world

### OPERATIONS

#### Plans & Commitments

- Lakehead University 2018-2023 Strategic Plan
- Lakehead University 2019-2024 Academic Plan
- Lakehead University Sustainability Action Plan
- Lakehead University Equity, Diversity and Inclusion Action Plan
- Lakehead University Wellness Plan

# RESEARCH INSTITUTES & RESEARCH LABS

	Sustainable Development Goal																
Research Institutes and Research Labs	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Indigenous Law and Justice Institute																	
Enhancing the Prevention of Injury & Disability @ Work (EPID @ Work) Research Institute																	
Green Processes Research Centre (GPRC)																	
Centre for Innovation and Entrepreneurship Research (CIER)																	
Centre of Excellence for Sustainable Mining & Exploration (CESME)																	
Research Centre for Sustainable Communities (RCSC)																	
Biorefining Research Institute (BRI)																	
Centre for Analytical Services (LUCAS)																	
Centre for Education and Research on Aging & Health (CERAH)																	
Centre for Health Care Ethics (CHCE)																	
Centre for Northern Studies (CNS)																	
Centre for Research on Safe Driving (CRSD)																	
Centre for Rural & Northern Health Research (CRaNHR)																	
Centre of Education and Research on Positive Youth Development (CERPYD)																	
Lakehead Social History Institute (LSHI)																	
Lakehead University Agricultural Research Station (LUARS)																	
Lakehead University Agricultural Research Station																	
Lakehead University Aquatic Toxicology Research Centre																	
Lakehead University Biomass Utilization Research Laboratory																	
Biotechnology Laboratory for Enzymes and Bioproducts																	
Lakehead University Environmental Laboratory																	
Lakehead University Geospatial Data Centre																	
Lakehead University Instrumentation Laboratory																	
Lakehead University Material Characterization Services																	
Lakehead University Molecular Archaeochemistry and Residue Services																	
Lakehead University Fire Testing and Research Laboratory (LUFTRL)																	
Lakehead University Mineralogical & Experimental Laboratory																	
Lakehead University Paleo-DNA Laboratory																	
Lakehead University Wood Science Testing Facility																	

# CANADA RESEARCH CHAIRS (CRCs)

Researcher	Department	Area of Focus	Sustainable Development Goal																
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Dr. Maryam Ebrahimi	Chemistry	Low-dimensional Nanomaterials																	
Dr. Pedram Fatehi	Chemical Engineering	Green Chemicals and Processes																	
Dr. Lindsay Galway	Health Sciences	Social-Ecological Health																	
Dr. Max Haiven	English	Culture, Media and Social Justice																	
Dr. Charles Levkoe	Health Sciences	Sustainable Food Systems																	
Dr. Christopher Mushquash	Psychology	Indigenous Mental Health and Addiction																	
Dr. Sudip Rakshit	Chemical Engineering	Bioenergy and Biorefining Processes																	
Dr. Michael D. Rennie	Biology	Freshwater Ecology and Fisheries																	
Dr. Alla Reznik	Physics	Physics of Radiation Medical Imaging																	
Dr. Pauline Sameshima	Education	Arts Integrated Studies																	
Dr. Matthew W. Tocheri	Anthropology	Human Origins																	
Dr. Lana Ray	Indigenous Learning	Decolonial Futures																	
Dr. Connie Russell	Education	Environmental Education																	
Dr. Salama Ikki	Electrical Engineering	Wireless Communications																	
Dr. Cheryl Lousley	English	Environmental Humanities																	
Dr. Wilson Wang	Mechanical Engineering	Intelligent Systems																	



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