



CANADÁ

**Para sua empresa se
tornar global**

Canada 

PILARES DA INOVAÇÃO



BASE CIENTÍFICA

- Top 10% das publicações mais citadas entre os países da OECD.
- 3 Universidades entre as 50 melhores do mundo (Time 2020)



TALENTO

- Pool de talentos mais qualificado entre os países da OCDE.
- Formação e Subsídio

Mitacs



INVESTIMENTO P&D



INFRAESTRUTURA

- Clusters de Inovação Global
- Centros de Pesquisa Inteligência Artificial.
- Estratégia Nacional Tecnologia Quântica



Ecosistema Federal de Ciência, Tecnologia e Inovação do Canadá

Financiamento e Treinamento em Pesquisa Granting Councils:

- Natural Sciences & Engineering Research Council (NSERC)
- Social Sciences & Humanities Research Council (SSHRC)
- Canadian Institutes for Health Research (CIHR)

Foundations:

- Canada Foundation for Innovation (CFI)
- Genome Canada

Financiamento e Créditos de P&D

- Department of Finance Canada's Scientific Research & Experimental Development (SR&ED) Tax Credits
- National Research Council's Industrial Research Assistance Program (IRAP)
- ISED's Strategic Innovation Fund (SIF)
- Innovation Superclusters
- Sustainable Development Technologies Canada

Pesquisa Realizada em Laboratórios Federais

- National Research Council (NRC)
- Science-Based Departments & Agencies:
 - Agriculture & Agri-Food –
 - Canadian Space Agency
 - Fisheries & Oceans Canada
 - Health Canada
 - Natural Resources Canada
 - Polar Knowledge Canada

Pesquisa em universidades, faculdades e hospitais de ensino

Pesquisa Industrial



GLOBAL INNOVATION CLUSTERS



Innovation, Science and
Economic Development Canada

Innovation, Sciences et
Développement économique Canada

Canada's Five Superclusters



DIGITAL TECHNOLOGY BRITISH COLUMBIA

Participants: 500+

Focus: Virtual, mixed and augmented reality; data collection and analytics; quantum computing; and genomics and precision health



AI-POWERED SUPPLY CHAINS (SCALE.AI) QUEBEC

Participants: 110+

Focus: Artificial intelligence and supply chain technology



PROTEIN INDUSTRIES PRAIRIE PROVINCES

Participants: 100+

Focus: Agri-food enabling technologies, including genomics, processing, and IT



OCEAN ATLANTIC CANADA

Participants: 110+

Focus: Digital sensors and monitoring, autonomous marine vehicles, energy generation, automation, marine biotechnology and engineering technologies



ADVANCED MANUFACTURING ONTARIO

Participants: 130+

Focus: Internet of Things; machine learning; cybersecurity; additive manufacturing (3D printing)

Source: ISED - Canada

- **Colaboração para Criar Ecossistemas de Inovação de Referência Global** - mais de 500 projetos aprovados e 2.500 parceiros em todo o Canadá.
- **Capacitar Força de Trabalho Qualificada e Diversa** - criar 50 mil empregos até 2028.
- **Acelerar a Inovação da Indústria e a expansão das SMEs** - mais de 855 direitos de PI gerados.
- **Atrair Investimentos para Inovação e Comercialização** - \$ 2.29 bilhão co-investidos com a indústria e mais de \$ 867 milhões em fundos de pesquisa



SUPERCLUSTERS

- Objetivo dos superclusters: construir ecossistemas
- Se tornarem referencia de hubs de inovacao
- Ser referencia de P&D liderados pela industria
- Atrair talentos globais,
- Desenvolver talentos
- Fortalecer as cadeias de valores
- Desenvolver novas propriedades intelectuais
- Atrair investimentos
- Ajudar no crescimento das empresas





DIGITAL TECHNOLOGY SUPERCLUSTER

TALENT + CAPACITY BUILDING

Digital Horizons: Indigenous Technology Training for the New Economy

Equipping Indigenous peoples with the skills required to be leaders and entrepreneurs in B.C.'s tech and tech-enabled economy.

DIGITAL TWINS

Accelerating Cancer Trials with Digital Twins

Leveraging artificial intelligence to generate digital twins that accelerate cancer trials.

DIGITAL TWINS

AI-Enabled Metaverse Campus

Immersive training accessible from anywhere

NGen

Next Generation Manufacturing Canada

Commercialization of Quantum Technologies Program

SCALE AI



Adoption of AI in supply chains

Making AI adoption easier across industries to drive productivity and competitiveness of Canadian companies.

Electric Vehicle Manufacturing Program (EVMP)

Moonshot for Mining, Minerals, and Manufacturing

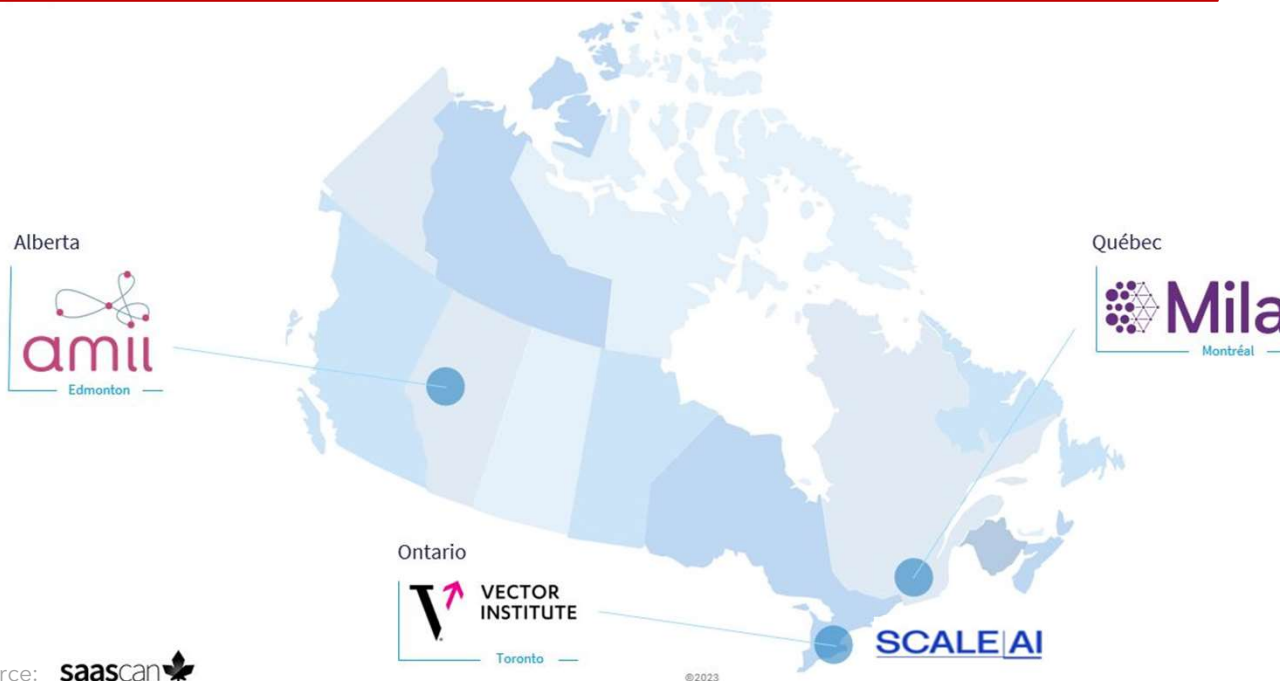


INTELIGÊNCIA ARTIFICIAL

O Canadá é Referência Global em IA

Estratégia Nacional de Inteligência Artificial

- Atrair e reter pesquisadores de excelência mundial
- Fomentar um ecossistema colaborativo de IA no país
- Capacitação de novos talentos
- Entender as implicações sociais da IA, ética, política, econômica



#1

Primeiro país no mundo a implementar sua Estratégia de Inteligência Artificial em 2017

Fonte: Canada.ca

#1

Líder entre países G7 em concentração de talentos AI

Fonte: Deloitte, Canada AI Report 2023

#2

Entre países G7 crescimento de IP. 57% aumento de patentes IA depositadas em 22-23

Fonte: Deloitte, Canada AI Report 2023

#5

Top 5 no Global AI Index 2023 em Inovação, Investimento e Implementação

Fonte: Tortoise Media, 2023

\$ 8,64 bilhões VC investido em IA em 2022

Fonte: Deloitte, Canada AI Report 2023



REVOLUÇÃO QUÂNTICA

Canadá lança sua nova Estratégia Nacional Quântica para acelerar o desenvolvimento, implementação e uso da tecnologia quântica

Estratégia Nacional Quantum lançada em Junho 2023 destina \$ 360 milhões em pesquisa, talento e comercialização:

- Avanço da computação quântica em **hardware e software**
- Garantir a privacidade e a **segurança cibernética**
- Desenvolvimento e adoção de tecnologias de **sensores quântico**.

#5

Index Global na Pesquisa e Tecnologia em Computação Quântica

D:wave
The Quantum Computing Company™

Primeira e única empresa no mundo a lançar no mercado um computador quântico que pode executar aplicações reais em escala

CREATIVE LAB
DESTRUCTION LAB

Única incubadora dedicada em empreendedorismo e start-ups early stage tecnologia quântica do país

WATERLOO'S QUANTUM VALLEY



QVI
Quantum Valley Investments

Quantum Valley Investments
A quantum technology investment fund established in 2013 by Mike Lazardis and Doug Frappin with a commitment of \$150 million in investment capital. QVI has developed as a quantum technology commercialization incubator with the necessary components to enable and accelerate the commercialization of new frontier native quantum technologies in the Quantum Valley.



RAC

RAC Complex
A community of academic, not-for-profit, commercial and startup researchers with access to collaboration and tools for developing and testing quantum devices. A collaborative experiment to speed the development and adoption of quantum technologies. RAC2 is home to QVI, Commercialization Labs including the Quiet Labs and will be the home of the Magnetic Field Lab once completed.



QVIL

Quantum Valley Ideas Lab
A dedicated application focused research lab that will help address the gap between foundational research done in academic research labs and commercialization. The idea is to connect with industry to identify strategic opportunities for new quantum technologies with practical applications based on existing foundational physics principles.



IQC
Institute for Quantum Computing at the University of Waterloo

Institute for Quantum Computing at the University of Waterloo
An internationally recognized scientific research institute at the University of Waterloo spanning the horizons of quantum information theory, precise and applications specific research focuses on harnessing the quantum laws of nature to develop powerful new technologies that will transform information technology and drive the 21st century economy. Home of a collaborative training program for areas of quantum science and engineering.



QNF
Quantum NanoFab

Quantum NanoFab
A fabrication facility of shared tools and expertise for quantum device fabrication. For example it is used for fabricating superconducting qubits and electronics, for deposition of thin film devices including spintronics, for patterning of semiconductor devices including quantum dot qubits. The facility is open to academic and industrial users across Canada.



LI
Lazardis Institute for the Management of Technology Enterprises

Lazardis Institute for the Management of Technology Enterprises
An institute for developing training and research programs, which will produce exceptional tech savvy business managers and leaders that Canadian technology companies need to grow and scale globally.



PI
The Perimeter Institute for Theoretical Physics

The Perimeter Institute for Theoretical Physics
A leading center for scientific research, training and educational courses in foundational theoretical physics. Founded in 1999 in Waterloo, Ontario, Canada, its mission is to advance our understanding of the universe at the most fundamental level, stimulating the breakthroughs that could transform our future. Perimeter also trains the next generation of physicists through innovative programs, and shares the excitement and wonder of science with students, teachers and the general public.



EMPRESAS GLOBAIS FAZEM R&D NO CANADÁ



Ericsson anuncia o Global Artificial Intelligence Accelerator (GAIA) innovation hub em Montreal.



Google AI Research Offices Toronto e Montreal



Microsoft Research Lab Montreal



Meta, Facebook expande Montreal AI lab, e anuncia seu novo hub engenharia em Toronto.



IBM Canada Lab, anuncia IBM AI Lab at Mila e IBM Q Space at the Quantum Institute (IQ)



Amazon Toronto tech hub para desenvolvimento de software, machine learning, cloud computing, digital advertising e artificial intelligence.



NVIDIA Toronto AI Lab



Samsung anuncia expansão do Samsung Advanced Institute of Technology (SAIT) AI Lab em Montreal.



EMPRESAS BRASILEIRAS COM R&D NO CANADÁ

PT/EN A+ A- Contrast f
Home Suzano Brands and Products

Our innovation in numbers

11	years of research together with the consumer goods industry to create Eucalufluff	10	years of research and innovation to create Ecolig, sustainable solution to replace fossil materials
5	research centers in Brazil	2	research centers abroad (Canada and Israel)
24	ongoing lines of research	400	patents and patent applications

BANCO DO BRASIL | Mila

JUL 8, 2022

Mila signs AI partnership with Banco do Brasil

Mila, Quebec AI Institute signed a partnership with Banco do Brasil (BB). The partnership is aimed at BB's digital acceleration and is part of the organization's initiative to implement Applied Research Centers and develop cutting-edge technologies.

Mila x LINDA

NOV 13, 2023

Canadian Healthtech Linda Lifetech Announces Partnership with Mila to Advance AI in Breast Cancer Prevention and Diagnosis

MONTREAL, November 14, 2023 – Linda Lifetech, an artificial-intelligence (AI) driven healthtech company specializing in women's health, is thrilled to announce its strategic partnership with Mila – Quebec AI Institute, to advance the development of their cutting-edge breast cancer detection solution. This collaboration aims to accelerate breast cancer prevention and diagnosis.

Headquartered in Toronto with a presence in Brazil, Linda Lifetech has developed non-invasive technology and software, designed to assist in the early detection of suspicious breast lesions.

VALE

Vale now Press

3/7/23 • Base Metals, Bus

BIOLAB OPENS R&D SITE AND PLANS TO OPEN A MANUFACTURING PLANT IN CANADA

JORNAL VALOR ECONÔMICO IMPRESSO E ONLINE | 10/31/2017

Biolab Farmacêutica is speeding up its internationalization project. The laboratory opens today the doors of the first research and development site (R&D) outside Brazil, in the province of Ontario, Canada, and in the next two or three years, it intends to open a drug manufacturing plant in that country. A result from investments of 56 million Canadian dollars (around US\$ 45 million), the site will work as a technological platform for laboratory advance, the first one with 100% national capital to set up a R&D site in other country, in international markets.

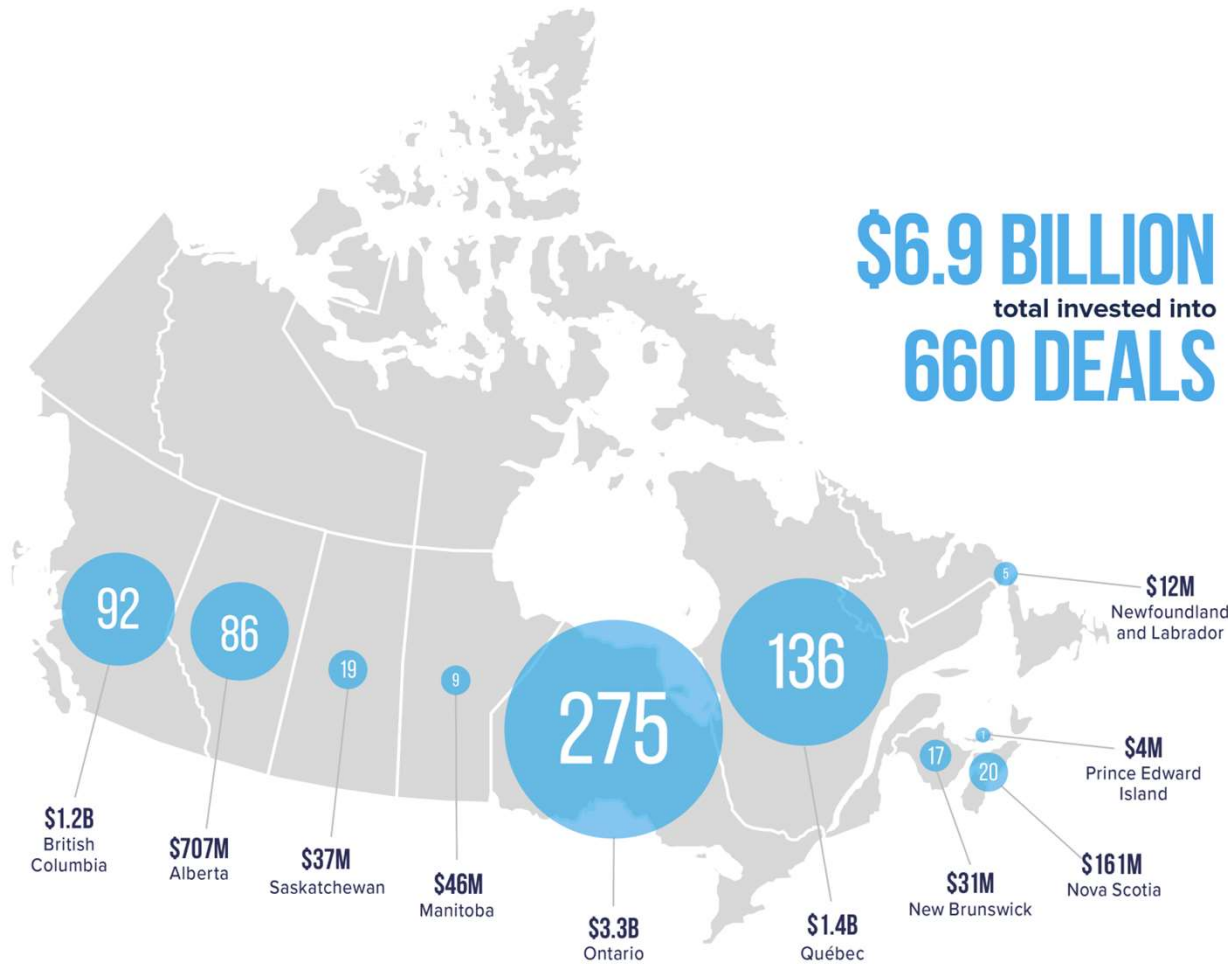
Vale Partners with University of Toronto to Accelerate Sustainable Mining Solutions

March 7, 2023, Toronto, Ontario – Vale Energy Transition Metals, a leading global supplier of nickel, copper, cobalt and platinum group metals, announced today it is teaming up with the University of Toronto in a first-of-its-kind partnership to power sustainable mining solutions and foster Canadian skills and talent.

The partnership, announced during the Prospectors & Developers Association of Canada 2023 Convention, brings together two Canadian leaders to drive innovation, build resilient communities and accelerate the next generation of sustainable critical mineral projects.



VENTURE CAPITAL MAP 2023



TOP SECTORS PER PROVINCE BY NUMBER OF DEALS

BRITISH COLUMBIA



ALBERTA



SASKATCHEWAN



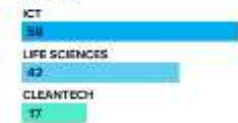
MANITOBA



ONTARIO



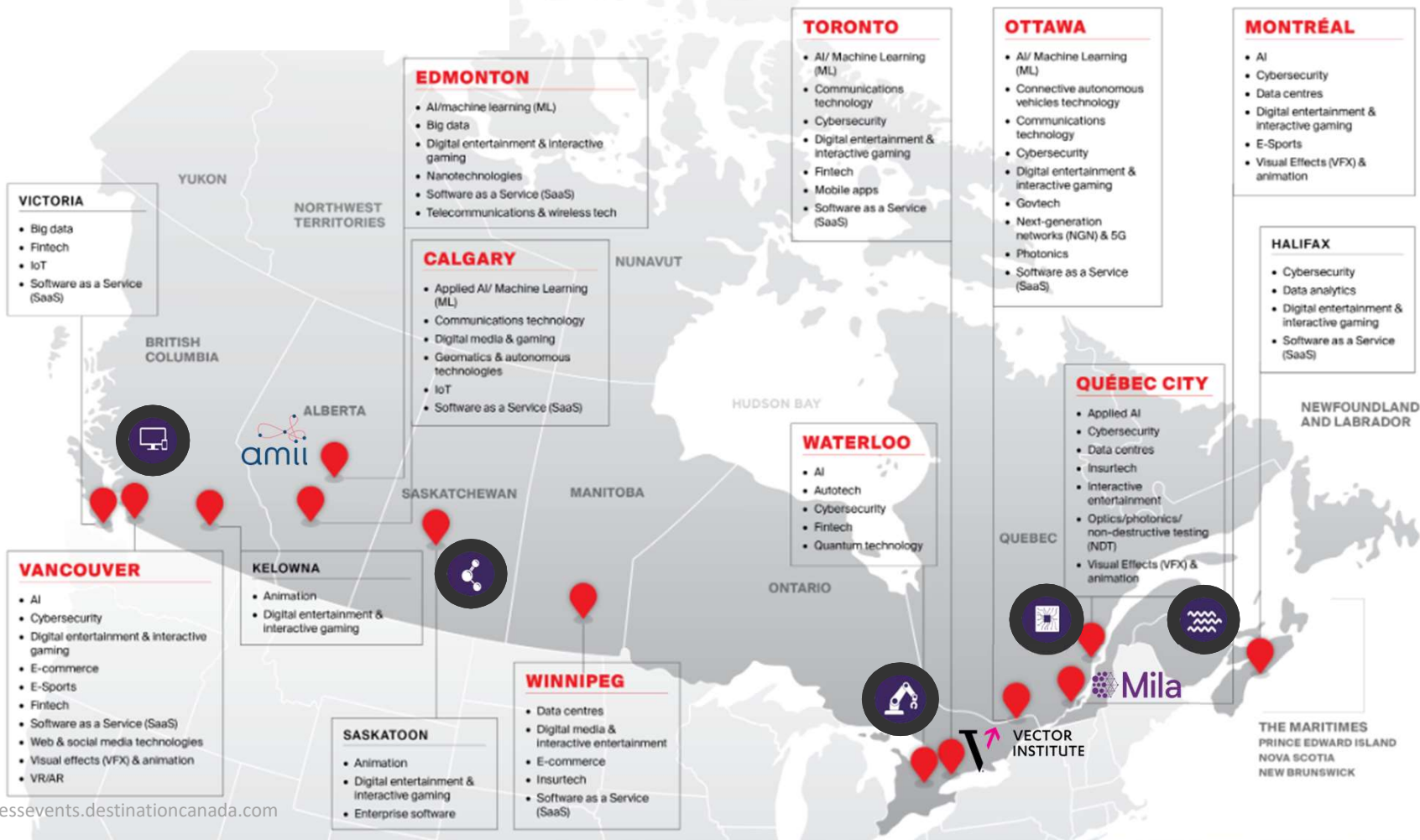
QUÉBEC



Sources: CVCA Canada Report 2023



MAPA PRINCIPAIS PÓLOS DE TECNOLOGIA



Source: businessevents.destinationcanada.com



EMPREENDEDORISMO

Canadá é uma força empreendedora
As PMEs tem um papel importante para a economia do país.

#1

ranking OCDE destino preferido para fundadores de start-ups internacionais

- Uma em cada quatro novas empresas é fundada por imigrantes no Canadá.
- Mais millennials e pessoas com mais de 55 anos estão escolhendo o empreendedorismo. 42% dos millennials querem ter o seu próprio negócio.
- 90% dos empreendedores canadenses afirmam estar satisfeitos profissionalmente.

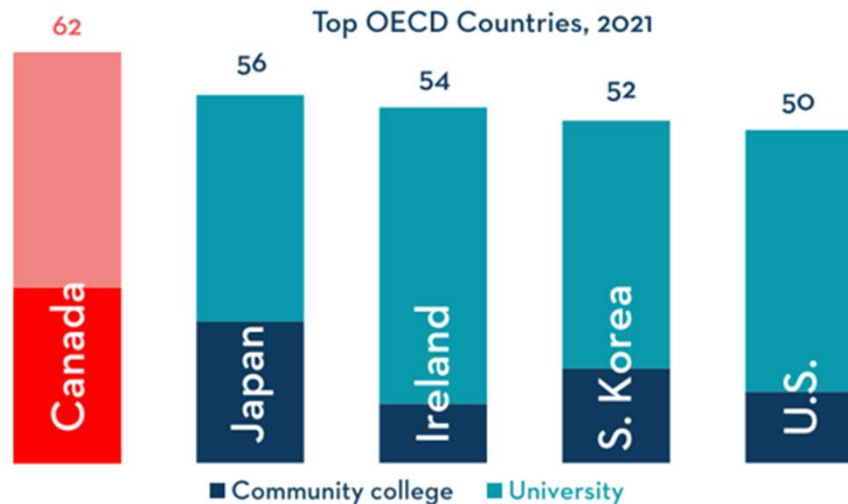
70% de todas as empresas no Canadá são PMEs e mais de 50% de todos os novos empregos são gerados por estas empresas.



EDUCAÇÃO / TALENTOS

O Canadá é uma Potência Global do Ensino Superior

O Canadá tem 60% da sua população entre 25 e 64 anos com nível superior.



Sources: Quacquarelli Symonds World University Rankings, 2021 and OECD, Education at a Glance, October 2022

#1

líder entre os países do G7 em investimento para P&D no ensino superior

Fonte: OECD, Education at a Glance, October 2022

#1

líder entre os países do G7 com população que possui educação em nível superior.

Fonte: OECD, Education at a Glance, October 2022

#1

líder na educação co-op na parceria universidade e indústria

Fonte: Statistics Canada, Census 2021

#6

Top 6 no ranking QS World University das melhores universidades para engenharia e tecnologia

Fonte: QS World University Rankings 2023



CONEXÃO GLOBAL

CANADA CONNECTS

GLOBAL MARKET ACCESS

14 Trade Agreements
 51 Countries
 1.5 Billion Consumers
 USD \$52 Trillion Combined GDP
 Source: Global Affairs Canada, Trade and Investment Update 2018

200+ SPOKEN LANGUAGES

Source: Statistics Canada, 2016



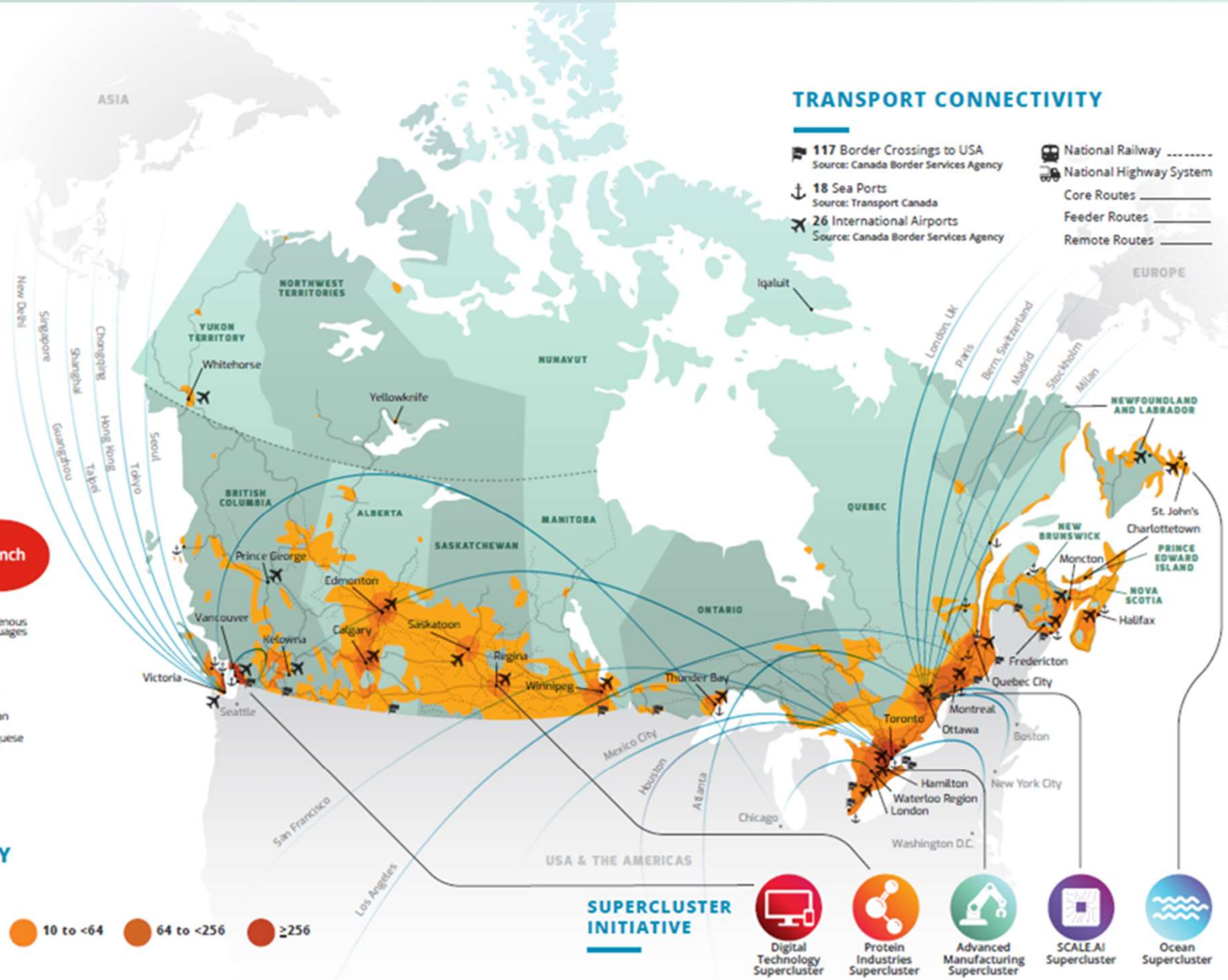
POPULATION DENSITY

Statistics Canada, 2006 (persons per km2)



TRANSPORT CONNECTIVITY

- 117 Border Crossings to USA
Source: Canada Border Services Agency
- 18 Sea Ports
Source: Transport Canada
- 26 International Airports
Source: Canada Border Services Agency
- National Railway
- National Highway System
- Core Routes
- Feeder Routes
- Remote Routes



SUPERCLUSTER INITIATIVE



PARCERIA INCUBADORAS BRASIL - CANADÁ

ACATE Institucional ▾ Associadas ▾ Programas ▾ Benefícios Polos Regionais Eventos e Notícias ▾ Vagas ▾ Login Associe-se

27/JUN/2022

ACATE firma parceria inédita com hub canadense, promovendo conexão entre empresas dos dois países

Iniciativa anunciada pela embaixada do Canadá visa abrir portas para empresas que desenvolvem produtos e serviços inovadores em escala global



A Associação Catarinense de Tecnologia (ACATE) acaba de firmar uma parceria inédita com o **The Accelerator Centre of Waterloo**, hub canadense de inovação em Waterloo. O acordo foi anunciado durante a Collision Conference, uma das maiores e mais prestigiadas feiras de inovação, tecnologia e empreendedorismo das Américas, que ocorreu entre os dias 20 e 23 de junho no país norte-americano. A partir do anúncio da parceria, **associados da ACATE** terão espaços para trabalhar em Waterloo.



Bridging Brazilian and Canadian Technology Ecosystems

📍 Spark Centre Marketing Team
📅 December 6, 2018 ⌚ 11:23 am
💬 No Comments



RECADOS

Em Toronto, Caldeira firma acordo com incubadora PYCAP e acelera conexão Brasil-Canadá

27 JUN 2022

Com mais de US\$ 20 milhões de ativos sob gerenciamento, 192 membros e 12 equities de empresas no portfólio, a incubadora canadense PYCAP e a nova parceria do Instituto Caldeira. O Memorando de Intenções (MOI) foi assinado na noite de segunda-feira (27) em Toronto, pelo CEO do Instituto Caldeira, Pedro Valério, e pelo CEO da instituição canadense, Stuart Browne.



Discover ▾ Sectors ▾ Invest ▾ Trade ▾

MEDIA RELEASE: New Brazil Hub making home in Edmonton

December 9, 2022

December 9, 2022 (Edmonton Metropolitan Region)— Today in a joint announcement, the **Chamber of Commerce Brazil-Canada** (CCBC), alongside **Concordia University of Edmonton** (CUE) announced that it will be establishing a Western Canada Brazil Hub at (CUE). The hub will provide a place for Brazilian companies and entrepreneurs to connect with potential business partners and infrastructure as well as research and development to integrate more efficiently into Alberta's innovation ecosystem.



COLLISION

ENERCARE CENTRE, TORONTO
JUNE 17-20, 2024

"THE OLYMPICS OF TECH"

Collision brings together the people and companies redefining the global tech industry.



40,000 pessoas, 130 países, + 1,000 investidores, + 2,000 startups em 2024

CANADÁ

- Sede de quase 48.000 empresas de TIC e a maior concentração de startups de IA do mundo
- O Corredor Toronto-Waterloo é o segundo maior cluster tecnológico da América do Norte, depois do Vale do Silício





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