ASSOCIATION OF UNIVERSITY RESEARCH PARKS
ASSOCIATION DES PARCS UNIVERSITAIRES DE RECHERCHE

August 2016

# THE INNOVATION AGENDA AND CANADA'S R&T PARKS

## Innovation Districts, Clusters and Commercialization: Let's Make Canada a World Leader in Innovation

Budget Submission 2017

Larry Shaw, President
Association of University Research Parks (AURP) Canada

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# EXECUTIVE SUMMARY

Innovation clusters increase a region's competitiveness – helping to **drive innovation, new business creation, and overall economic growth**. These geographic concentrations of interconnected players – including companies, program and service providers, educational institutions, and research organizations –build on regional niche sector strengths. Clusters **stimulate innovative activity** through the promotion of intensive interactions, infrastructure-sharing, and knowledge exchange.

Canada's research and technology (R&T) Parks are clusters of innovation, scientific research, and entrepreneurship where like-minded companies and organizations **build connections to drive competitive advantages, increase global exports, attract investments, commercialize ideas, and become leaders in niche priority sectors.** The parks are integrated into a comprehensive network of global research partnerships and can enhance Canada's innovation agenda.

We are well positioned to **build out a robust platform for growth.** We are a collaborative group of locally driven communities of innovation that link industry with government and academia and have joined together to develop a Pan-Canadian approach for cluster development and expansion in four key priority sectors: biotechnology, digital technology, natural resources and clean technology.

**Our parks currently house an estimated 1,400 companies, employ 65,000 knowledge-based workers and generate more than $4.3 billion in GDP annually. We can grow these figures by more than 50% over the next three-to-five years.**

In budget 2017, the R&T parks are seeking a **commitment from the federal government** to integrate the R&T parks into the new innovation agenda by improving and further growing the existing cluster, accelerator and incubator infrastructure to make Canada a global leader in innovation technology.

# 1. ABOUT AURP CANADA

The **Association of University Research Parks (AURP) Canada** is the national not-for-profit association that advocates on behalf of the 26 research and technology (R&T) parks and Innovation Districts across Canada. Our mission is simple – to support and drive the Canadian knowledge economy. We do this by focusing on three pillars:

1) Standardizing programs, services and amenities that are offered through the parks that support companies[1];
2) Building domestic and international networks that bridge Canada to companies interested in expansion, and serve as soft landing spots;
3) Cluster development within and between the park network to strengthen connections between industry, government and academia and focus on commercialization outcomes.

## A. THE R&T PARKS

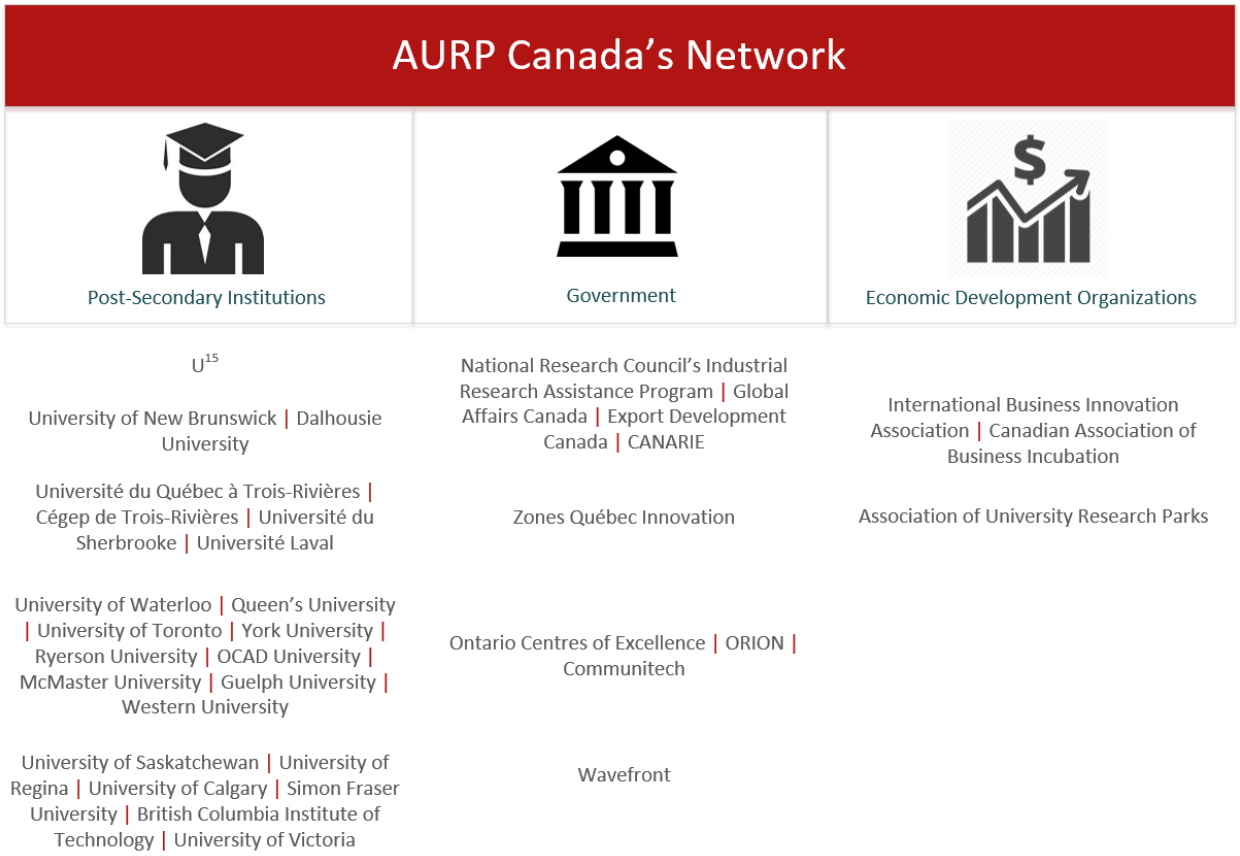
Canadian R&T parks are locally driven communities of innovation that link industry with government and academia. **Canada's 26 R&T parks house an estimated 1,400 companies and 65,000 knowledge-based workers**. Companies in the parks are among the most innovative and growth-oriented companies in Canada, with nearly 50% already exporting, 45% with expansion plans and over one-third of all employees with a masters or PhD level education.

[1] See the attached Schedule A for more information

## B. OUR NETWORKS

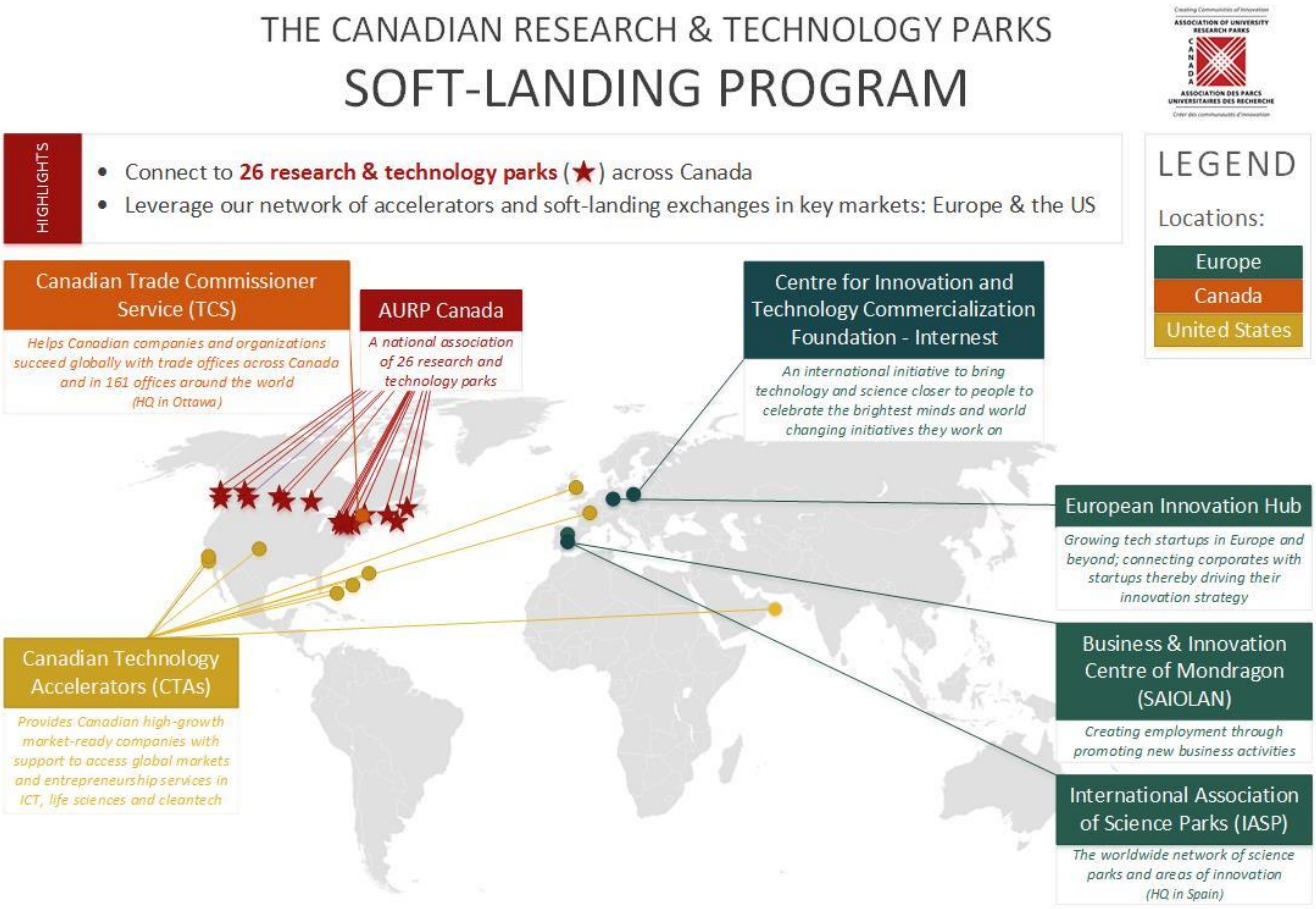
In the **domestic market**, AURP Canada has been developing partnerships between universities, governments and private entities in an effort to share ideas and resources leading to growth, development and internationalization of Canadian small and medium-sized enterprises (SMEs) located within the parks across Canada.

**Figure 1: Domestic Partnerships for National Knowledge Economy Growth**




In 2015, AURP Canada introduced its **Soft Landing** program that integrates a collaborative approach with international accelerators and parks (in Europe, USA, and Brazil). AURP Canada has also been building its **international network** that includes businesses, community groups, sister park partnerships and associations around the world.

**Figure 2: Examples of International Partnerships for Soft Landing Exchange**



# 2. OPPORTUNITIES IN CLUSTERS

## A. HISTORY OF CLUSTERS IN CANADA

Since the early 90s, clusters are a development area for governments in Canada, though their development in the business community is longstanding and increasingly global. As just one example, Silicon Valley's emergence has its origins in the 1960s and it has developed multinational companies such as Cisco, Apple, Google and others. In 1991, a report by Michael Porter[2] from Harvard University commissioned by the Canadian government, led to the introduction of cluster-program funding by the Chretien government. Since then, clusters have been successfully evolving.

## B. INNOVATION DISTRICTS AND SUPER CLUSTERS

**Innovation districts** are a relatively new direction for R&T Parks. According to the Brookings Institute, innovation districts "constitute the ultimate mash up of entrepreneurs and educational institutions, start-ups and schools, mixed-use development and medical innovations, bike-sharing and bankable investments—all connected by transit, powered by clean energy, wired for digital technology, and fueled by caffeine." In Canada, as an example, Toronto's MaRS Discovery District (@MaRSDD) is one of the world's largest urban innovation hubs.

[2] Titled "Canada at the Crossroads"

# 3. OUR PROPOSED PAN-CANADIAN CLUSTER NETWORK STRATEGY

The Canadian R&T parks ecosystem is comprised of a number of high-functioning clusters but four main interconnected sectoral clusters have been identified for the purpose of this discussion paper and budget 2017:

1. Biotechnology;
2. Clean technology;
3. Digital technology;
4. Natural resources.

First, **biotechnology**, defined as any technological application that uses biological systems, living organisms or derivatives thereof, to make or modify products or processes for specific use.[3] Second, **clean technology** involving business sectors that use technology to produce clean energy, environmental, and sustainable products and services.[4] Third, **digital technology** which describes the use of digital resources to effectively find, analyse, create, communicate, and use information and services in a digital context.[5] Lastly, **natural resources** referring to the commercial utilization of resources that naturally occur on earth. Those include sunlight, atmosphere, water, land, air, minerals, vegetation and animal life.[6] Cumulatively, these four broad sectors currently represent over 1 million jobs and a staggering $39 billion in revenues in Canada.

As evident by their definitions, the four sectors are in a cyclical co-dependence, co-influence, and co-production chain. This synergistic relationship heavily relies on – and continuously drives – sustainable progress and innovation.

[3] UN Convention on Biological Diversity, Art. 2 (https://www.cbd.int/convention/text/)
[4] Information and communication technology council (ICTC) publication (DIGITAL TALENT: ROAD TO 2020 AND BEYOND)
[5] Adapted from a definition by the New Zealand Commerce and Economics Teachers Association
[6] Adapted from Wikipedia

The four clusters converge in **four main sub-sectors**: **healthcare**, **agri-technolgy**, **industrials**, and **energy**. An example of the cyclical relationship is as follows: *Biotechnological* processes are improving natural resources by enhancing crop resistance to insects – thereby increasing yield and reducing the need for chemical pesticides that cause environmental harm. These *natural resources* can, in turn, be used to produce *clean technology*. As an example, Agrisoma Biosciences Inc. (from Innovation Place research park in Saskatoon) has commercialized Carinata – a nonedible industrial oilseed mustard genetically engineered to produce high-quality oil for biojet and biodiesel fuel.[7] The reduction in energy cost and power can enable the utilization of *digital technologies* for healthcare. For example, Sunnybrook Hospital (Toronto) is using the Honeywell Energy & Facility Renewal Program which includes the use of solar photovoltaic panels to convert solar energy into electricity. These energy improvements save $2.6M and reduce $CO_2$ emissions by 8,965 tonnes annually.[8] These savings can be used to towards *biotechnological* advancements such as the digitization of the medicine. For example, Agfa HealthCare (operating out of the David Johnston Research + Technology Park in Waterloo) has developed an online tool called Portal,[9] where hospitals can offer care providers, referring physicians and patients "anywhere, anytime" access to the patient's health information from different sources.

[7] Agrisoma company website (http://agrisoma.com/carinata/)
[8] Sunnybrook website (http://sunnybrook.ca/content/?page=environment-home)
[9] University of Waterloo press release (https://uwaterloo.ca/research-technology-park/sites/ca.research-technology-park/files/uploads/files/NEW_AGFA_PRESS_RELEASE.pdf)

**Figure 3: Sectors and Impact on Canada**

| Sector Definition | Impact on Canada |
|---|---|
| **Biotechnology**<br>Any technological application that uses biological systems, living organisms or derivatives thereof, to make or modify products or processes for specific use. | Statistics Canada estimates in 2005 Canada's biotech sector employed over 13,000 people and generated $4.2 billion in revenue. |
| **Clean Technology**<br>An umbrella term used to describe business sectors that use technology to produce clean energy, environmental and sustainable products and services. | According to a 2014 study by the World Bank, the global market for cleantech is valued at approximately $1.6 trillion. Canada is considered a small player in the global cleantech ecosystem and is home to more than 800 cleantech firms directly employing 50,000 people. |
| **Digital Technology**<br>Used to describe the use of digital resources to effectively find, analyze, create, communicate, and use information and services in a digital context. | The ICT sector currently represents 5% of Canada's gross domestic product (GDP) and accounted for 11.5% of all real GDP growth since 2002. Employees in the ICT sector are well educated and earn on average $62,000 or 47% more than the national average. |
| **Natural Resources**<br>The utilization of resources that naturally occur on earth. Those include sunlight, atmosphere, water, land, air, minerals, vegetation and animal life. | Canada's enormous natural resource endowment represents a critical component of our current and future economic prosperity. The natural resources sector represented 15% of Canada's nominal gross domestic product (GDP) in 2011 and close to 800,000 direct jobs, with an estimated equal number of indirect jobs linked to these sectors in the construction, manufacturing, transportation, financial, technology and services sectors. Governments also benefit from substantial revenues in the form of taxes and royalties associated with major developments. |

## A. OUR PROJECTS

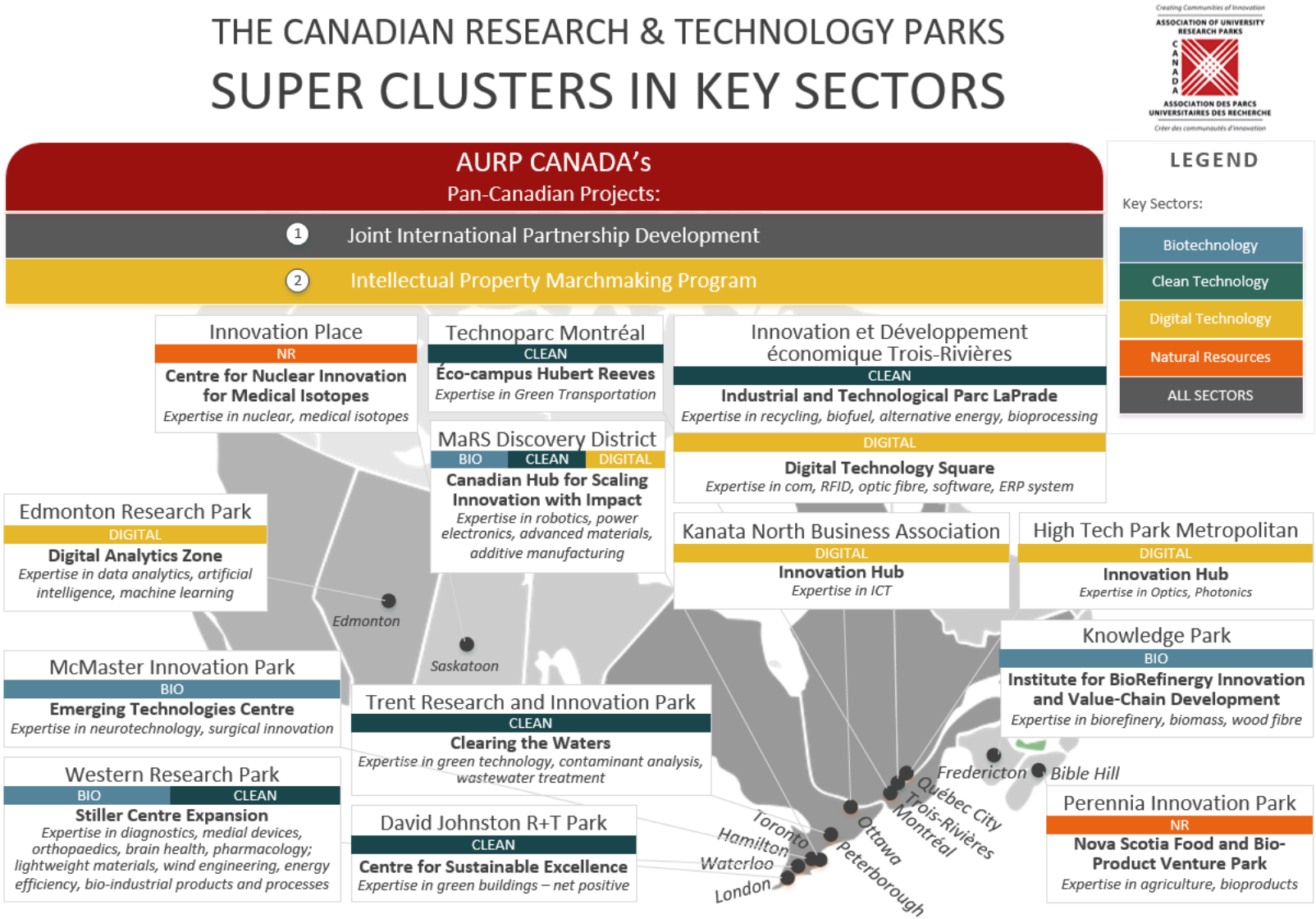
In building upon the existing cluster strength of the parks across Canada, AURP Canada has identified a total of **16 projects that fall into one of the four primary sectors of focus**.

A total capital infrastructure investment of $459 million is proposed, with $168 million contribution from the federal government through its Innovation Agenda in budget years 2017 – 2019. Investments will include infrastructure, labs, acceleration programming, export market development and international partnership development to support both the primary sector and the specialized sub-sector of the park.

## Figure 4: Pan-Canadian R&T Park Projects

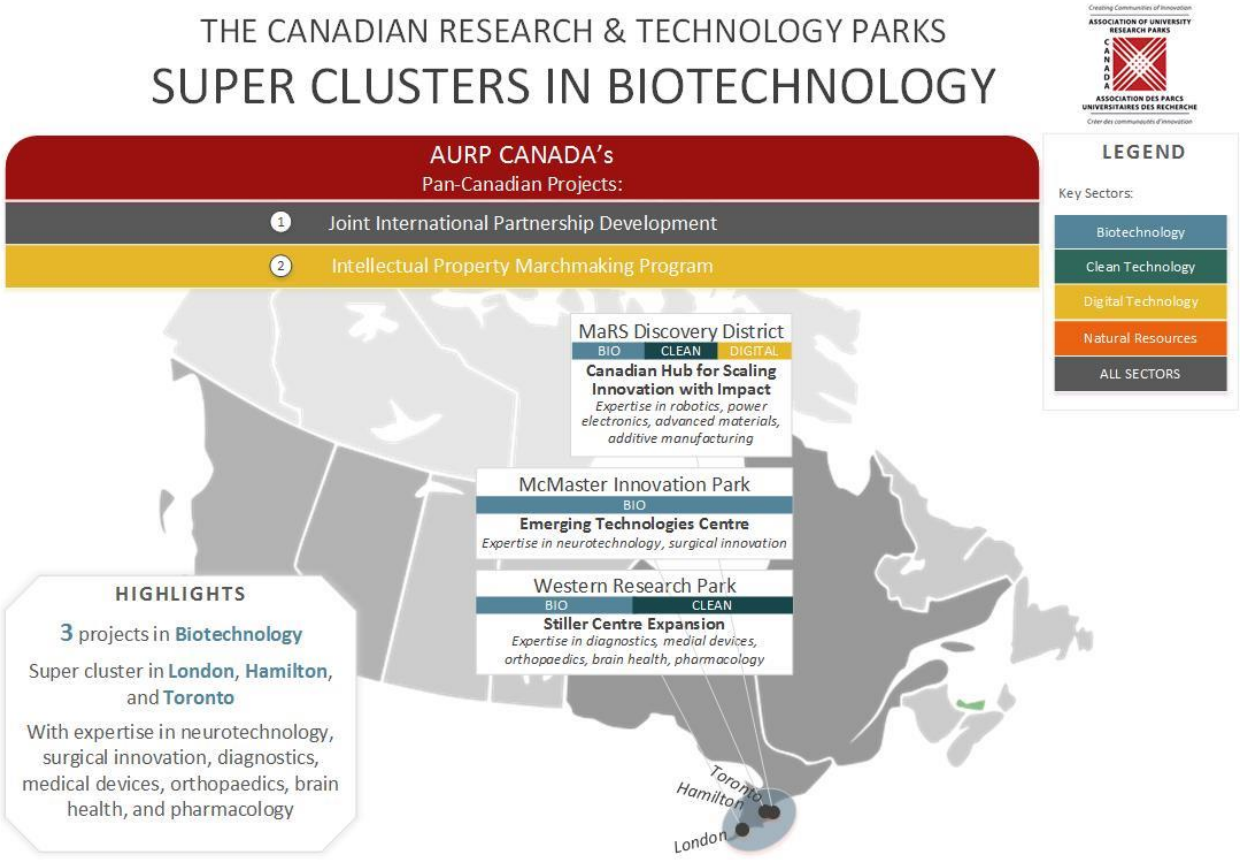
| Location | Park | Project | Sector | Expertise | Value | Ask ($) |
|---|---|---|---|---|---|---|
| Canada | **AURP Canada (all parks)** | *Joint international partnership development* | All sectors | | $5M | $5M |
| London, ON | **Western Research Park** | *Stiller Centre Expansion* | Biotech | Diagnostics, medical devices, orthopaedics, brain health, pharmacology | $25.5M | $14.5M |
| | | | Cleantech | Lightweight materials, wind engineering, energy efficiency, bi-industrial products and processes | | |
| Toronto, ON | **MaRS Discovery District** | *Canadian Hub for Scaling Innovation with Impact* | Biotech<br>Cleantech<br>Digital | Robotics, power electronics, advanced materials, additive manufacturing, and more | $32.5M | $13M |
| | | | | **TOTAL MIXED SECTORS** | **$63M** | **$32.5M** |
| Hamilton, ON | **McMaster Innovation Park** | *Emerging Technologies Centre* | Biotech | Neurotechnology, surgical invention | $32M | $16M |
| | | | | **TOTAL BIOTECH** | **$32M** | **$16M** |
| Waterloo, ON | **David Johnston R+T Park** | *Centre for Sustainable Excellence* | Cleantech | Green buildings – Net Positive Building | $34M | $10M |
| Peterborough, ON | **Trent Research and Innovation Park** | *Clearing the Waters: The clean technology centre for contaminant analysis and treatment* | Cleantech | Green technology, contaminant analysis, wastewater treatment | $30M | $8M |
| Montréal, QC | **Technoparc Montreal** | *Éco-campus Hubert Reeves* | Cleantech | Green transportation | $12M | $3M |
| Trois Rivières, QC | **Innovation et Développement économique Trois-Rivières** | *Industrial and Technologic Parc LaPrade* | Cleantech | Recycling, biofuel, alternative energy, bioprocessing | $8.9M | $4.45M |
| | | | | **TOTAL CLEANTECH** | **$84.9M** | **$25.45M** |
| Canada | **AURP Canada (all parks)** | *Intellectual property matchmaking program* | Digital | ICT | $2M | $2M |
| Québec City, QC | **High Tech Park Metropolitan** | *Innovation Hub* | Digital | Optics, Photonics | $10M | $2.5M |
| Ottawa, ON | **Kanata North Business Association** | *Innovation Hub* | Digital | ICT | $30M | $7.5M |
| Becancour, QC | **Innovation et Développement économique Trois-Rivières** | *Quarties des technologies (QTTR) (Digital Technology Square)* | Digital | Communications, RFID, optic fibre, software, ERP system | $58.2M | $29.1M |
| Edmonton, AB | **Edmonton Research Park** | *Digital Analytics Zone* | Digital | Data analytics, artificial intelligence, machine learning | $81.2M | $7.5M |
| | | | | **TOTAL DIGITAL TECHNOLOGY** | **$181.4M** | **$48.6M** |
| Saskatoon, SK | **Innovation Place** | *Centre for Nuclear Innovation for Medical Isotopes* | NR | Nuclear, medical isotopes | $40-60M | $20M |
| Bible Hill, NS | **Perennia Innovation Park** | *Nova Scotia Food and Bio-Product Venture Park* | NR | Agriculture and seafood, bioproducts | $18M | $18M |
| Fredericton, NB | **Knowledge Park** | *Institute for BioRefinery Innovation and Value-Chain Development* | NR | Biorefinery, biomass, wood fibre | $30M | $7.5M |
| | | | | **TOTAL NATURAL RESOURCES** | **$98M** | **$45.5M** |
| | | | | **TOTAL** | **$459.3M** | **$168.05M** |

# THE CANADIAN RESEARCH & TECHNOLOGY PARKS
# SUPER CLUSTERS IN KEY SECTORS



## B. BIOTECHNOLOGY

Three projects have been identified in biotechnology with a super cluster in London, Hamilton and Toronto. The global market for biotechnology could exceed $400 billion by 2017,[10] making it a very attractive market for Canada. The Canadian R&T parks ecosystem is well positioned to support this endeavour, with twofold expertise. On the one hand are technologies for biological applications, including **neurotechnology**, **surgical innovation**, **diagnostics**, **medical devices**, **orthopaedics**, **brain health**, and **pharmacology**. On the other hand, **bio-based chemical industry** and green energy (solar) industry.

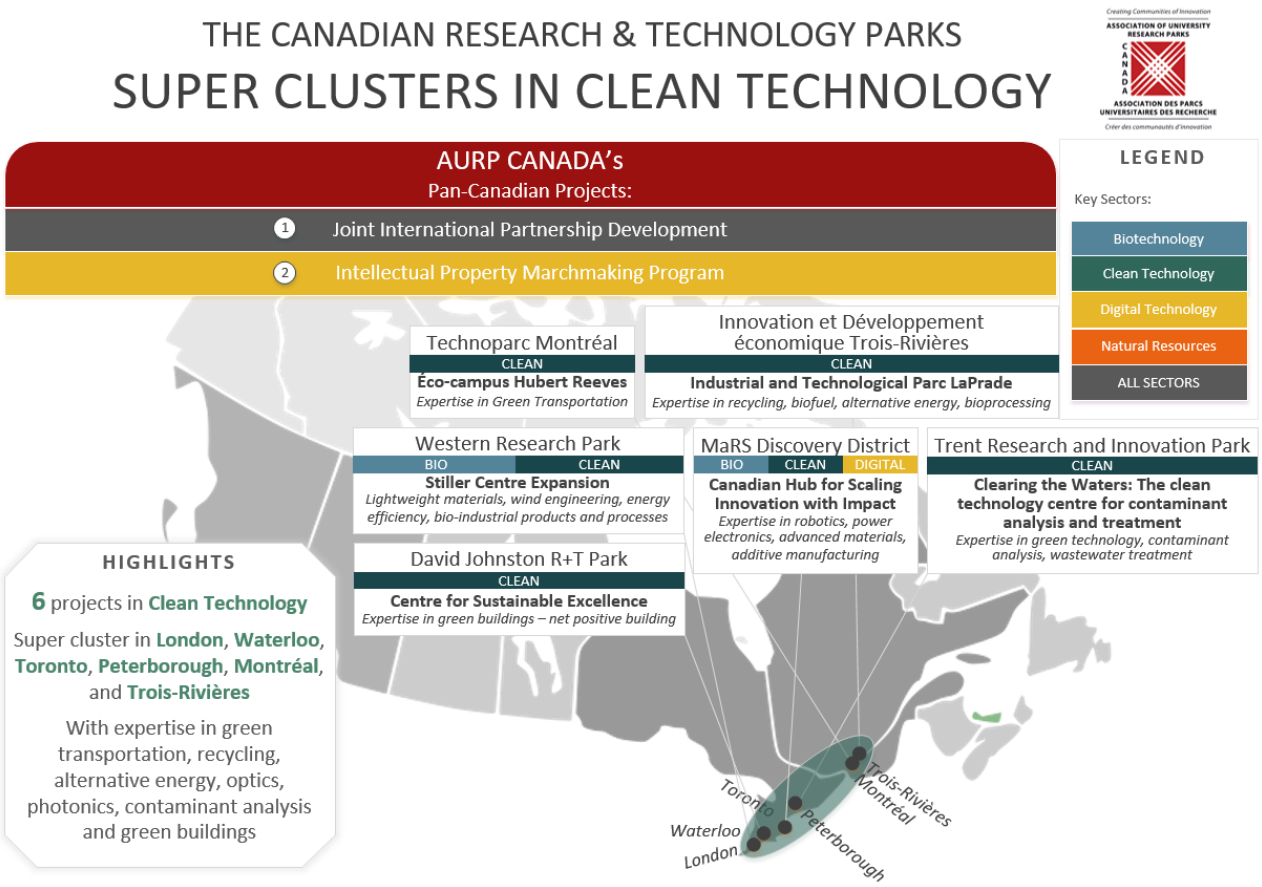



[10] PRNewswire (September 24, 2014). "Global biotechnology market value USD 414.5 billion in 2017: Transparency market research."

## C. CLEAN TECHNOLOGY

Six projects have been identified in clean technology with a super cluster between London, Waterloo, Peterborough, Toronto, Montreal and Trois-Rivières. The global clean technology market is currently valued at approximately $1.6T,[11] and is growing rapidly. The Canadian R&T parks ecosystem is an active participant in the sector, with activity spanning several sub-sectors including recycling, alternative energy production, green buildings, and green transportation. All sub-sectors are in a synergistic cycle, with the ultimate goal of securing a cleaner, more sustainable environment and, as well as sustainable economic growth and social prosperity. This translates to the minimization of natural resources depletion, greenhouse gas emissions, solid waste, and water, land and air pollution.

[11] The World Bank (September 24, 2014). New Report Identifies Major Clean-Tech Market Opportunity for Small Businesses in Developing Countries


THE CANADIAN RESEARCH & TECHNOLOGY PARKS
SUPER CLUSTERS IN CLEAN TECHNOLOGY
AURP CANADA's
Pan-Canadian Projects:
1 Joint International Partnership Development
2 Intellectual Property Marchmaking Program
LEGEND
Key Sectors:
Biotechnology
Clean Technology
Digital Technology
Natural Resources
ALL SECTORS
Technoparc Montréal
CLEAN
Éco-campus Hubert Reeves
Expertise in Green Transportation
Innovation et Développement économique Trois-Rivières
CLEAN
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Expertise in recycling, biofuel, alternative energy, bioprocessing
Western Research Park
BIO CLEAN
Stiller Centre Expansion
Lightweight materials, wind engineering, energy efficiency, bio-industrial products and processes
David Johnston R+T Park
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Centre for Sustainable Excellence
Expertise in green buildings – net positive building
MaRS Discovery District
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Canadian Hub for Scaling Innovation with Impact
Expertise in robotics, power electronics, advanced materials, additive manufacturing
Trent Research and Innovation Park
CLEAN
Clearing the Waters: The clean technology centre for contaminant analysis and treatment
Expertise in green technology, contaminant analysis, wastewater treatment
HIGHLIGHTS
6 projects in Clean Technology
Super cluster in London, Waterloo, Toronto, Peterborough, Montréal, and Trois-Rivières
With expertise in green transportation, recycling, alternative energy, optics, photonics, contaminant analysis and green buildings
Toronto
Waterloo
London
Peterborough
Montréal
Trois-Rivières

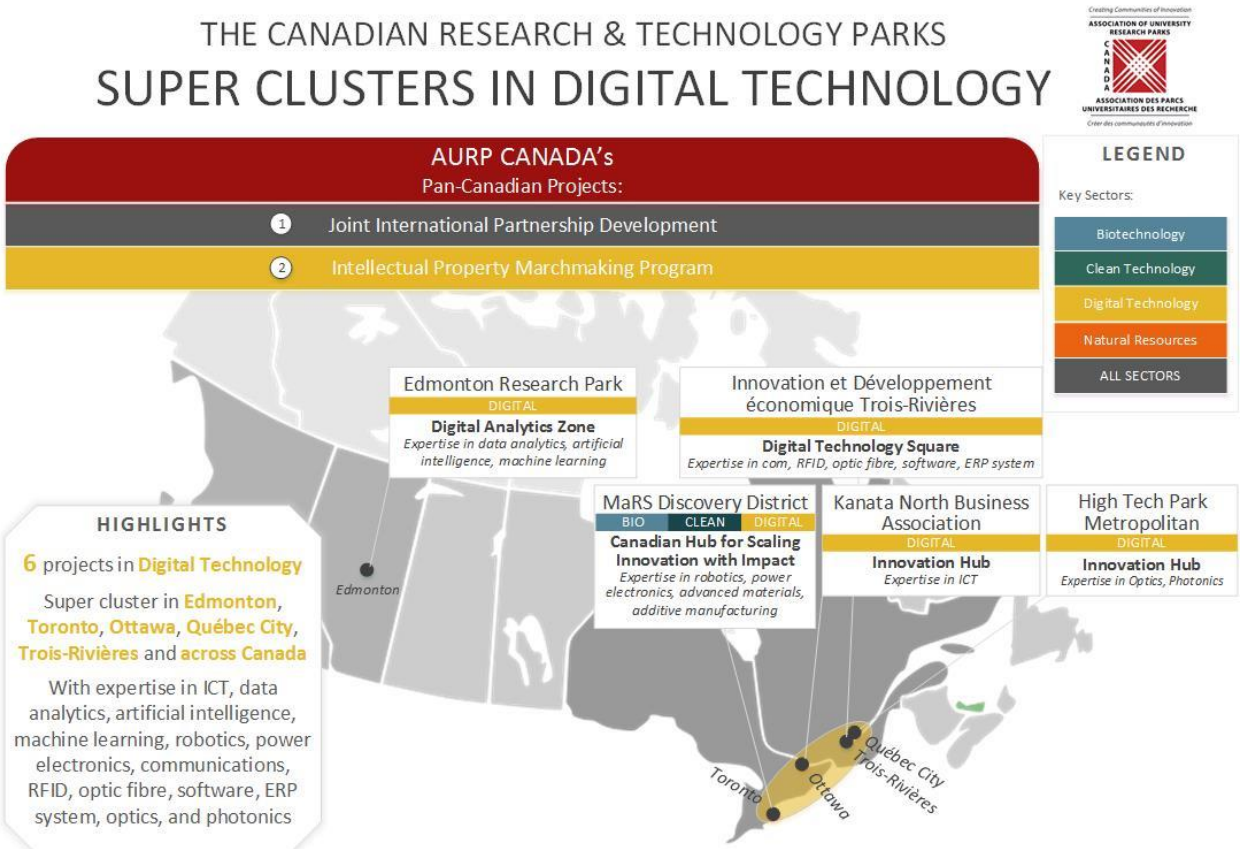
## D. DIGITAL TECHNOLOGY

Six projects have been identified in digital technology with super cluster between Edmonton, Toronto, Ottawa, Montreal, Quebec City and Trois-Rivières.

Digital technologies allow for the automation, scaling, and refining of existing industries, as well as introducing new industries. The work done at the Canadian R&T parks ecosystem aligns perfectly with these outcomes, with activities in information and communications technology (**ICT**), **optics** and **photonics, radio-frequency identification** systems, enterprise resource planning (**ERP**) systems, quantum computing, **data analytics**, robotics, **artificial intelligence**, and **machine learning**.

The digital technology sector is crucial for Canada's economic development, and will need to be further grown in order for Canada to be a major player in the global market. For example, Canada's ICT sector represents 5 % ($68.26 billion) of Canada's gross domestic product (GDP).[12]

[12] INFORMATION AND COMMUNICATIONS TECHNOLOGY COUNCIL publication (BIG DATA & THE INTELLIGENCE ECONOMY)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Innovation Hub
Expertise in ICT
High Tech Park Metropolitan
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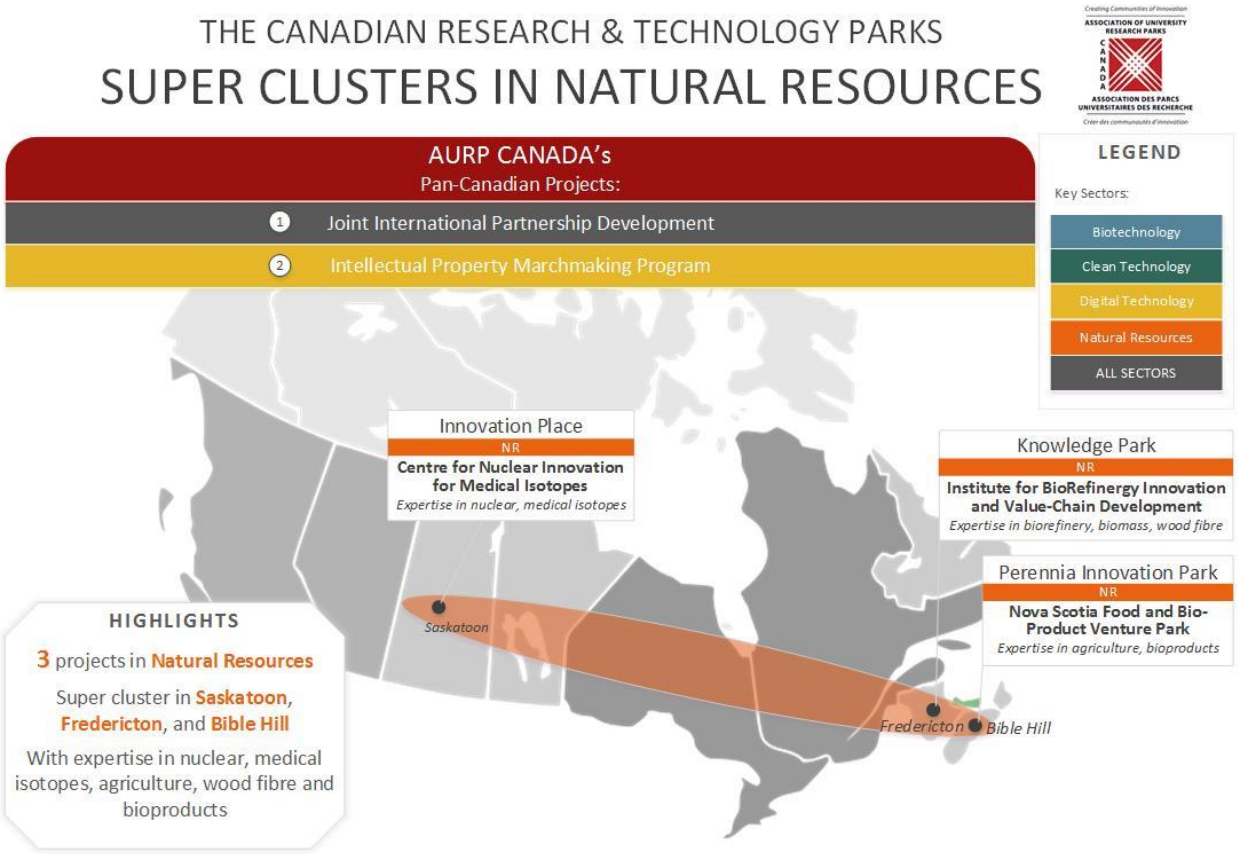
Innovation Hub
Expertise in Optics, Photonics
HIGHLIGHTS
6 projects in Digital Technology
Super cluster in Edmonton, Toronto, Ottawa, Québec City, Trois-Rivières and across Canada
With expertise in ICT, data analytics, artificial intelligence, machine learning, robotics, power electronics, communications, RFID, optic fibre, software, ERP system, optics, and photonics
Edmonton
Toronto
Ottawa
Québec City
Trois-Rivières

## E. NATURAL RESOURCES

Three projects have been identified in Natural Resources with a super cluster in Saskatoon, Fredericton and Bible Hill. In Canada, natural resource firms have contributed $26 billion per year in revenue (2013), representing 20% of nominal GDP. In terms of employment, the sector contributes 900,000 direct jobs.[13] However, in the face of climate change, deforestation and increased pollution, the global trend is shifting towards sustainable usage of natural resources. Work done at the Canadian R&T parks ecosystem goes hand-in-hand with this goal with sub-sectors that include **nuclear**, **agriculture** and **seafood**, **bioproducts**, and **biorefinery**.




[13] Natural Resources Canada

# 4. THE ASK

In budget 2017, the R&T parks are seeking a commitment from the federal government to **integrate the R&T parks into the new innovation agenda** with a budget allocation of **$168 million** between the period of 2017 and 2019 to deliver on 16 strategic projects across the country.

**Figure 5: Pan-Canadian R&T Park Projects**

| Location | Park | Project | Sector | Expertise | Value | Ask ($) |
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| | | | | **TOTAL NATURAL RESOURCES** | **$98M** | **$45.5M** |
| | | | | **TOTAL** | **$459.3M** | **$168.05M** |

# 5. CONTACT

We welcome the opportunity to review this discussion paper with you.

Primary contacts:


- **Larry Shaw, President**
  - President, Canadian Association of University Research Parks (AURP Canada)
  - CEO, Ignite Fredericton and Knowledge Park Inc.
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- **Ms. Laura O'Blenis**
  - Co-Founder and Managing Director, Canadian Association of University Research Parks (AURP Canada)
  - Email: laura@aurpcanada.com
  - Phone: (506) 206-2149

# SCHEDULE A: SAMPLE PARK PROGRAMMING

| | | | | AURP Canada Services | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Onsite access to support: | | | | | | | | | | | Links to: | | | Exporting Services: | | |
| | Research Parks in Canada | AURP Canada Membership | Years in Operation (years) | IRAP | CECR | NCE | Testing & Prototyping Facilities | Laboratories | Tech Transfer Services | Accountants and Business Consulting | Web Design Services | Software Development Services | Marketing Services | Library Services | Trade Commissioner | Access to Concierge Service Program | Access to Building Canada Innovation | Part of the CANARIE/DAIR Program | Global Affairs Canada | Assistance in Linking to Global Markets | Other |
| WEST | Vancouver Island Technology | | 10-14 | | | | | ✓ | ✓ | | | | | ✓ | | | | | | | |
| | Discovery Parks Vancouver | ✓ | 3-6 | | | | ✓ | ✓ | ✓ | | | | | | | | | | | ✓ | |
| | Edmonton Research Park | ✓ | 15+ | ✓ | | | ✓ | ✓ | | | | | | | | | | | | | |
| | Innovation Place | ✓ | 15+ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | | ✓ | |
| | Innovate Calgary | | 15+ | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | | | ✓ | | ✓ | |
| | Manitoba's Smart Park | ✓ | 10-14 | | | | | ✓ | | ✓ | | | ✓ | | | | | | | | |
| ONTARIO | MaRS Discovery District | ✓ | 10-14 | ✓ | | | ✓ | ✓ | | ✓ | | | | | | | | | ✓ | ✓ | |
| | David Johnston R+T Park | ✓ | 10-14 | ✓ | ✓ | ✓ | | ✓ | ✓ | | | | | ✓ | | | | | ✓ | ✓ | |
| | McMaster Innovation Park | ✓ | 1014 | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | ✓ | |
| | Innovation Park at Queen's University | ✓ | 7-9 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | ✓ | | ✓ | | ✓ | ✓ |
| | Kanata North Technology Park | ✓ | 15+ | | | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | ✓ | |
| | Western Research Parks | ✓ | 15+ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | | | | ✓ | ✓ |
| | University of Guelph Research Park | ✓ | 15+ | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | | | | |
| EAST | Fredericton's Knowledge Park | ✓ | 15+ | | | | | | | ✓ | | | | | | ✓ | ✓ | ✓ | | ✓ | |
| | Perennia Innovation Park | ✓ | 15+ | | | | ✓ | ✓ | | | | | | | | | | | | ✓ | |

| | Research Parks in Canada | AURP Canada Membership | Years in Operation (years) | Programs | | | |
|---|---|---|---|---|---|---|---|
| | | | | Accelerator | Incubator | Mentorship | Coaching |
| WEST | Vancouver Island Technology | ✓ | 10-14 | | ✓ | ✓ | |
| | Discovery Parks Vancouver | ✓ | 3-6 | ✓ | ✓ | ✓ | |
| | Edmonton Research Park | ✓ | 15+ | | ✓ | | |
| | Innovation Place | ✓ | 15+ | | ✓ | ✓ | ✓ |
| | Innovate Calgary | ✓ | 15+ | ✓ | ✓ | ✓ | ✓ |
| | Manitoba's Smart Park | | 10-14 | | ✓ | ✓ | ✓ |
| ONTARIO | MaRS Discovery District | ✓ | 10-14 | ✓ | ✓ | ✓ | |
| | David Johnston R+T Park | ✓ | 10-14 | ✓ | ✓ | ✓ | ✓ |
| | McMaster Innovation Park | ✓ | 10-14 | ✓ | ✓ | ✓ | ✓ |
| | Innovation Park at Queen's University | ✓ | 7-9 | ✓ | ✓ | ✓ | ✓ |
| | Kanata North Technology Park | ✓ | 15+ | ✓ | ✓ | ✓ | ✓ |
| | Western Research Parks | ✓ | 15+ | ✓ | ✓ | ✓ | |
| | University of Guelph Research Park | ✓ | 15+ | | | ✓ | ✓ |
| EAST | Fredericton's Knowledge Park | ✓ | 15+ | ✓ | ✓ | ✓ | ✓ |
| | Perennia Innovation Park | ✓ | 15+ | | ✓ | ✓ | ✓ |

| | | Amenities | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Space: | | | | | | | Food: | | | Transpo | | Other: | | | | |
| | Research Parks in Canada | Security | Reception/Admin support | Meeting Rooms | Video Conferencing | Property Management | Convention Space/Event Areas | Hotels | Food Court | Commercial Restaurant/Coffee Shop | Catering Services | Free Parking | Access by public transportation | Fitness Facilities | Daycare | Massage Therapy | Group benefits and insurance | Access to Lawyers |
| WEST | Vancouver Island Technology | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | | | ✓ | | | | |
| | Discovery Parks Vancouver | ✓ | | ✓ | ✓ | | ✓ | | ✓ | ✓ | | | ✓ | ✓ | | | | |
| | Edmonton Research Park | | | | ✓ | | | | | | | | | | | | | |
| | Innovation Place | ✓ | ✓ | ✓ | | ✓ | ✓ | | | ✓ | ✓ | | ✓ | ✓ | | ✓ | | ✓ |
| | Innovate Calgary | ✓ | | ✓ | ✓ | | ✓ | | | ✓ | ✓ | | ✓ | | | | | |
| | Manitoba's Smart Park | ✓ | | ✓ | ✓ | | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | |
| ONTARIO | MaRS Discovery District | | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | | | | | |
| | David Johnston R+T Park | | ✓ | ✓ | ✓ | ✓ | ✓ | | | | | ✓ | ✓ | | ✓ | | | ✓ |
| | McMaster Innovation Park | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | * | ✓ | ✓ | ✓ | * | ✓ | ✓ | | | | ✓ |
| | Innovation Park at Queen's University | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |
| | Kanata North Technology Park | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Western Research Parks | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| | University of Guelph Research Park | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ | | ✓ | ✓ | ✓ |
| EAST | Fredericton's Knowledge Park | ✓ | ✓ | ✓ | ✓ | | | | ✓ | | | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| | Perennia Innovation Park | | | | | | | | | | | | | | | | | |

| | | Social Activities | | | |
|---|---|---|---|---|---|
| | Research Parks in Canada | Networking Events | Connection to alumni networks | International S&T Events and Linkages | Seminars and Boot Camps on Entrepreneurship |
| WEST | Vancouver Island Technology | ✓ | | | ✓ |
| | Discovery Parks Vancouver | ✓ | | ✓ | ✓ |
| | Edmonton Research Park | ✓ | | | ✓ |
| | Innovation Place | ✓ | | | ✓ |
| | Innovate Calgary | ✓ | | | ✓ |
| | Manitoba's Smart Park | ✓ | | | ✓ |
| ONTARIO | MaRS Discovery District | ✓ | | | ✓ |
| | David Johnston R+T Park | ✓ | ✓ | ✓ | ✓ |
| | McMaster Innovation Park | ✓ | ✓ | ✓ | ✓ |
| | Innovation Park at Queen's University | ✓ | | ✓ | ✓ |
| | Kanata North Technology Park | ✓ | | ✓ | ✓ |
| | Western Research Parks | ✓ | | ✓ | ✓ |
| | University of Guelph Research Park | ✓ | ✓ | ✓ | ✓ |
| EAST | Fredericton's Knowledge Park | ✓ | | | ✓ |
| | Perennia Innovation Park | ✓ | | | |

| | | Scaling Innovation | | | | | |
|---|---|---|---|---|---|---|---|
| | Research Parks in Canada | Export development programming | In-bound investment programming (e.g. Start-up Visa) | Education and Training | Networking | Match making | Intellectual Property Access |
| WEST | Vancouver Island Technology | | | ✓ | ✓ | ✓ | |
| | Discovery Parks Vancouver | | | | | | |
| | Edmonton Research Park | | | | | | |
| | Innovation Place | ✓ | | ✓ | ✓ | ✓ | ✓ |
| | Innovate Calgary | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Manitoba's Smart Park | | | ✓ | ✓ | ✓ | |
| ONTARIO | MaRS Discovery District | | | ✓ | ✓ | ✓ | |
| | David Johnston R+T Park | | | ✓ | ✓ | ✓ | ✓ |
| | McMaster Innovation Park | | | | ✓ | ✓ | ✓ |
| | Innovation Park at Queen's University | | | ✓ | ✓ | ✓ | ✓ |
| | Kanata North Technology Park | | | ✓ | ✓ | ✓ | ✓ |
| | Western Research Parks | ✓ | ✓ | | ✓ | ✓ | ✓ |
| | University of Guelph Research Park | | ✓ | ✓ | ✓ | | |
| EAST | Fredericton's Knowledge Park | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Perennia Innovation Park | | | | | | |

| | | University Engagement | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Research Parks in Canada | Land owned by university | Division of department at university | Separate entity of university | Tech transfer formalized agreement | Access to Laboratories and Libraries | Park Admin formal outreach to researchers | Program btw researchers and park companies |
| WEST | Vancouver Island Technology | | | | | | ✓ | ✓ |
| | Discovery Parks Vancouver | | | | | | | |
| | Edmonton Research Park | - | - | - | - | - | - | - |
| | Innovation Place | ✓ | | ✓ | | | | |
| | Innovate Calgary | | | | ✓ | ✓ | | |
| | Manitoba's Smart Park | ✓ | | | | | | |
| ONTARIO | MaRS Discovery District | | | | | | | |
| | David Johnston R+T Park | ✓ | ✓ | | | | | |
| | McMaster Innovation Park | ✓ | | ✓ | | ✓ | | |
| | Innovation Park at Queen's University | ✓ | ✓ | | | ✓ | ✓ | ✓ |
| | Kanata North Technology Park | ✓ | | | | | ✓ | |
| | Western Research Parks | ✓ | | ✓ | | ✓ | | ✓ |
| | University of Guelph Research Park | ✓ | ✓ | | | ✓ | | ✓ |
| EAST | Fredericton's Knowledge Park | ✓ | | ✓ | | | | ✓ |
| | Perennia Innovation Park | | | | | | | |