Unlocking The Power Of Data-driven Innovation

digitalsupercluster.ca

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Canada’s Motivation For Superclusters

- **12/16**: Canada’s rank on Global OECD “Innovation Scorecard”
- **85%**: Of Canadian tech firms have less than 10 employees*
- **~50%**: Of new Canadian ventures close within 5 years**
- **On average, larger businesses are more productive and contribute more to GDP, employment, & social needs.**

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The Rise Of Data

- The fourth industrial revolution is upon us
- It will reshape society & economies
- AI, quantum, robotics will redefine how businesses interact, compete and win
The Global Data Opportunity

More data has been created in the past two years than in the entire previous history of the human race.

By 2022 global internet protocol traffic, a proxy for data flows, is projected to reach 150,700 GB per second.

Within five years, there will be over 70 billion smart connected devices in the world – to collect, analyze, and share data.

1 FORBES  
2 UNITED NATIONS  
3 IHS MARKIT
Enterprises, globally, will spend over $2 trillion on digital transformation *

*IDC report
A New Model For Innovation

Harnessing the power of collaborative R&D.

Resulting in globally leading products and platforms that will power the digital transformation of Canada’s economy and enhance Canada’s global leadership in digital innovation.
Canada’s Superclusters

- Digital Technology
- Protein Industries
- Advanced Manufacturing
- Scale AI
- OCEAN
Clusters are built upon the strength of the regional ecosystem
Industry Opportunity

Build on strengths of the regional ecosystem

We have focused on sectors of strength in British Columbia and Canada as the starting point for developing and applying digital technologies to support the digital transformation ambitions of industry leaders in these sectors.
Technology Opportunity

Exploit emerging innovation platforms

Over the past 20 years, Vancouver and Canada have emerged as one of the top startup ecosystems in the world. Through a combination of technology capabilities and linkages to key markets including Silicon Valley, Asia and the Cascadia Innovation Corridor, we have seen a blossoming of technology innovators.
Supercluster Framework

Industry challenges + Technology opportunities

Develop cross-sector programs

Investment focus of supercluster programs

DATA VISUALIZATION
DATA ANALYSIS
DATA COLLECTION

CAPACITY BUILDING
PRECISION HEALTH
DIGITAL TWINS
DATA COMMONS
Our Areas of Focus

DATA COMMONS
- Digital solutions that aggregate data resources into shared platforms for exploration, machine learning, and innovative application development.

DIGITAL TWINS
- Digital technologies to create virtual production environments for real-time operations management, simulation, modelling and training.

PRECISION HEALTH
- Data driven health innovations that support disease prevention, early diagnosis, virtual care and personalized treatment.

COVID-19
- Digital innovations to respond to the COVID-19 pandemic, mitigate future risks and accelerate the economic recovery in Canada.

CAPACITY BUILDING
- Partner with employers, educators and community organizations to build job ready, world leading digital talent.
These commitments are from industry, government and post-secondary which co-invest in a portfolio that is aligned with our program focus areas.

Digital Technology Supercluster

$360 million + co-investment portfolio

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Powerful Partnerships

900+ Canadian Organizations

- STARTUPS
- CANADIAN SMES
- LARGE COMPANIES
- MULTI-NATIONALS
- UNIVERSITIES
- INSTITUTES
- COLLEGES
- RESEARCH INSTITUTIONS
- NON-PROFITS
- GOVERNMENT AGENCIES
Learn About Our Projects

Our Programs

Driving global leadership in digital technologies, fueling economic growth, and creating thousands of new jobs across Canada.

Capacity Building
Data Commons
Digital Twins
Precision Health
CANADA-WIDE,
GLOBAL IMPACT
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