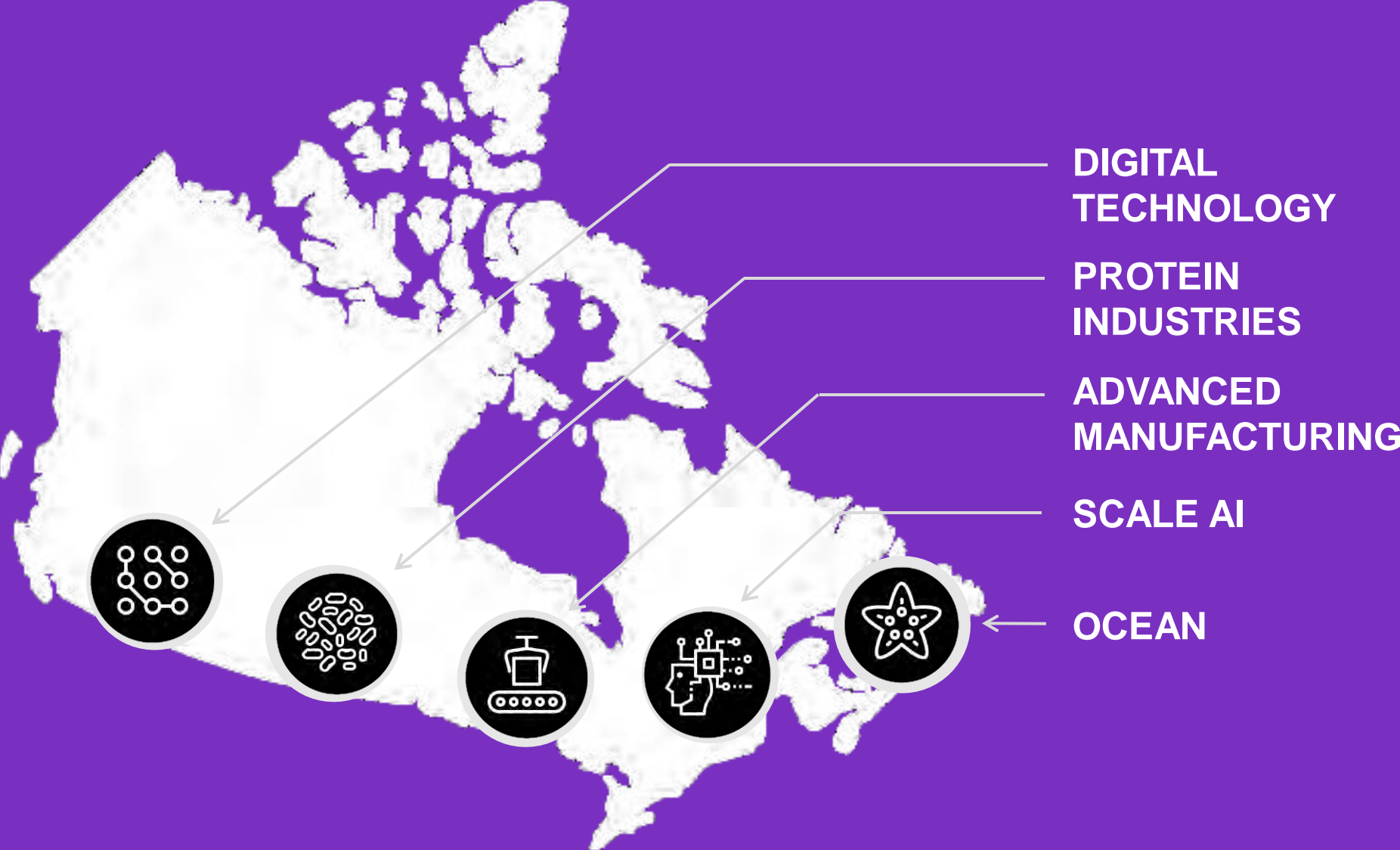


# Ahead of the Curve

Investing in Canada's Digital Future | June 2023



# Canada's Superclusters



We unlock the potential of **Canadians** to lead and succeed in the digital world through a powerful combination of co-investment, cross-industry collaboration, IP creation and digital talent development

## 1200+ Organizations

### Diverse Expertise

**Industry:** Startups, SMEs, Large, Multinational

**Research:** Universities, colleges, institutes, Government, Not-for-profits



# Collaborative innovation, co-investment and the customer voice drive results and adoption



## 1. Demand based R&D and Collaborative Innovation:

Diverse parties: academia, industry leaders, SMEs, public sector develop solutions together better than any single organization could alone.



## 2. Accelerating development through Co-investment

A co-investment approach de-risks and accelerates the pursuit of breakthrough digital technology and Canadian-owned IP

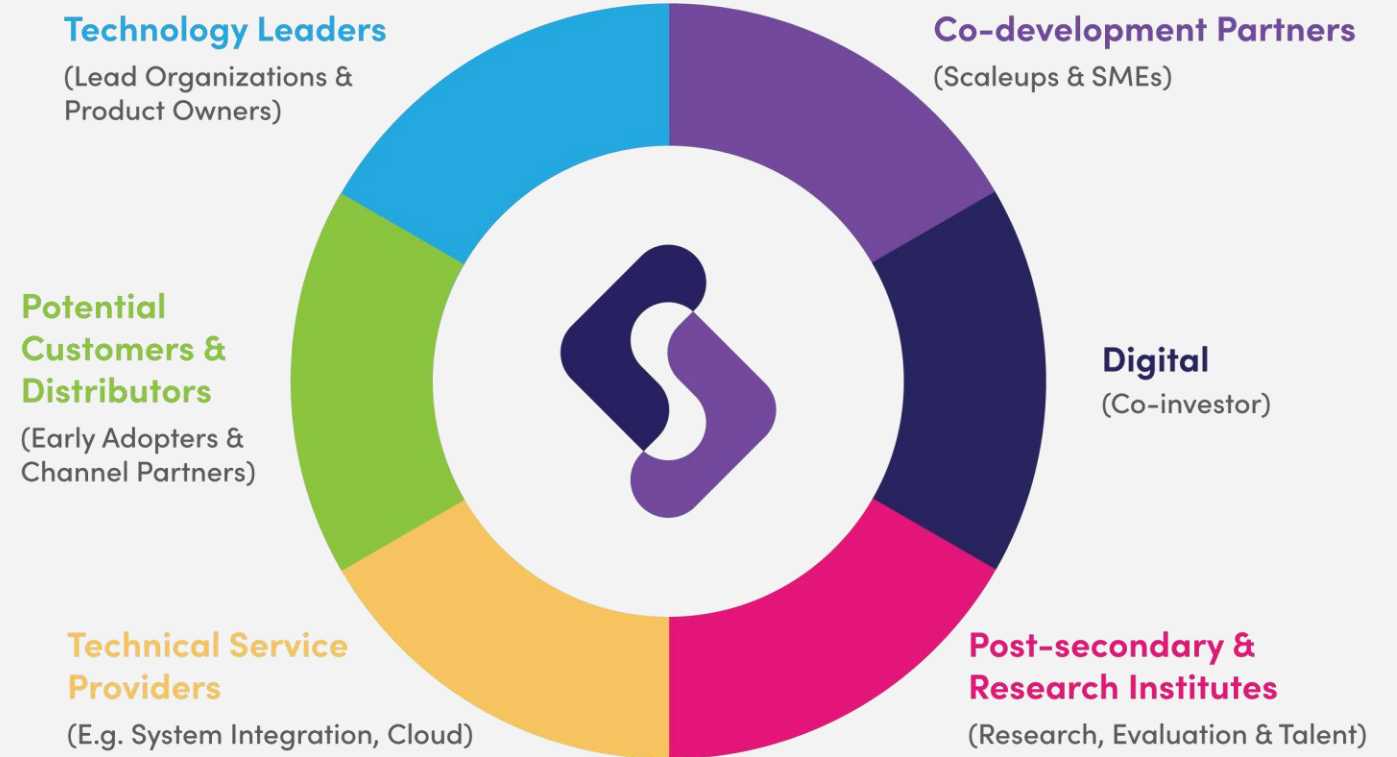


## 3. Driving Digital Adoption through customer voice

The 'customer voice' is at the table. Accelerated adoption unlocks opportunities for customers, providers and community.

# A new digital innovation approach: Design thinking meets cross-industry collaboration and co-investment

We employ a new innovation model that is led by industry and connects innovators, academia and customers to commercialize research and create and keep Canadian-owned IP.



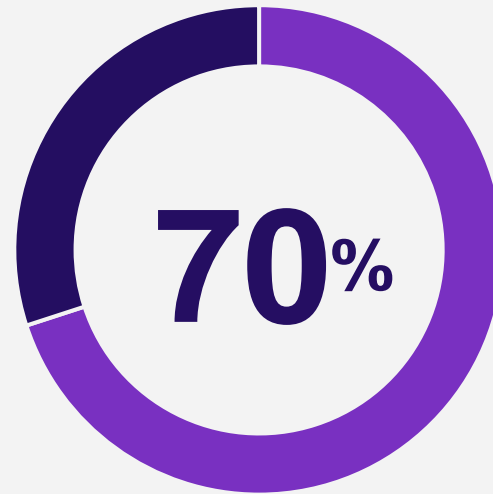
# Our approach is working

## New Digital Projects



More than 85 cross-industry collaborations in digital R&D and talent development projects

## Investing in Canadian SMEs



70% of investments are benefitting Canadian SMEs - supporting new IP, market expansion and scale-up

## Industry-led Investments



Leveraged industry investment in R&D with \$389M in project investments (\$220M industry investment)

## A snapshot of our impact

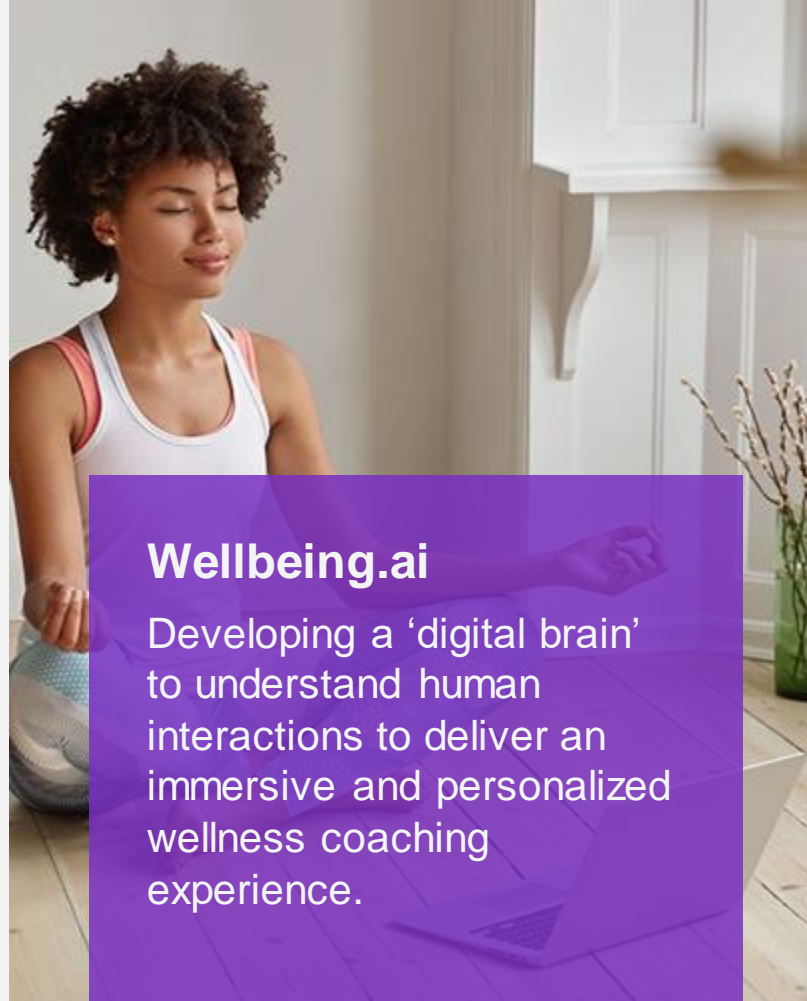


# Accessible, relevant, effective digital health



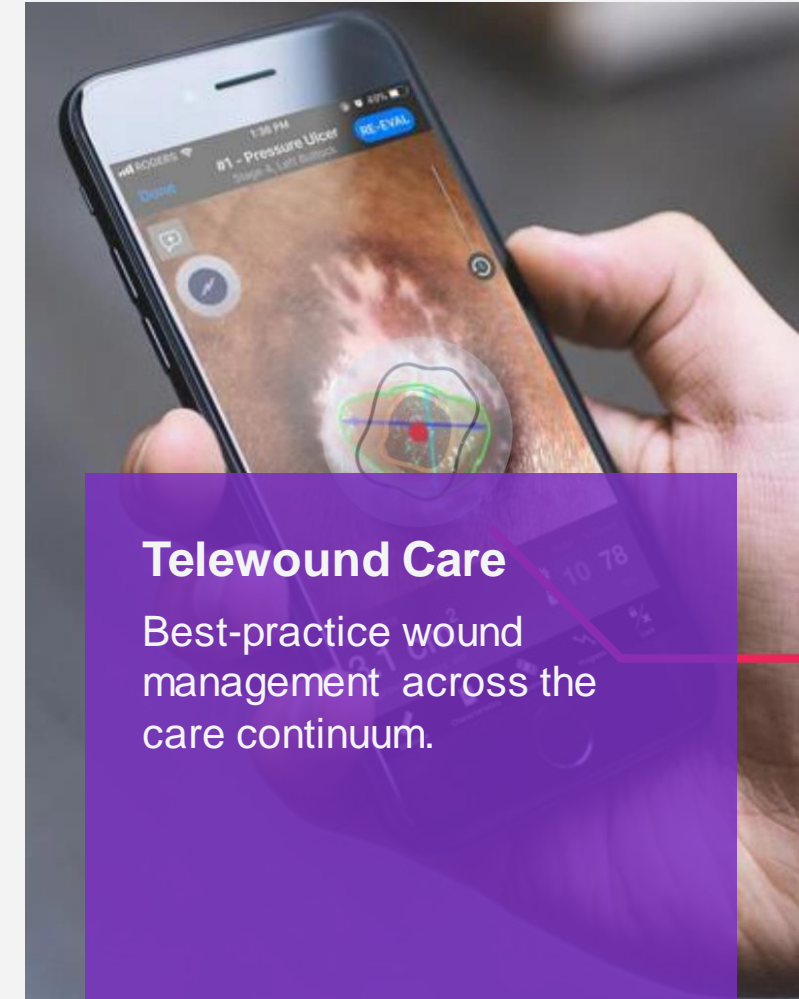
## Autism Sharing Initiative

The first global network for sharing genomics and biomedical data to accelerate research to develop personalized treatments for individuals with autism.



## Wellbeing.ai

Developing a 'digital brain' to understand human interactions to deliver an immersive and personalized wellness coaching experience.

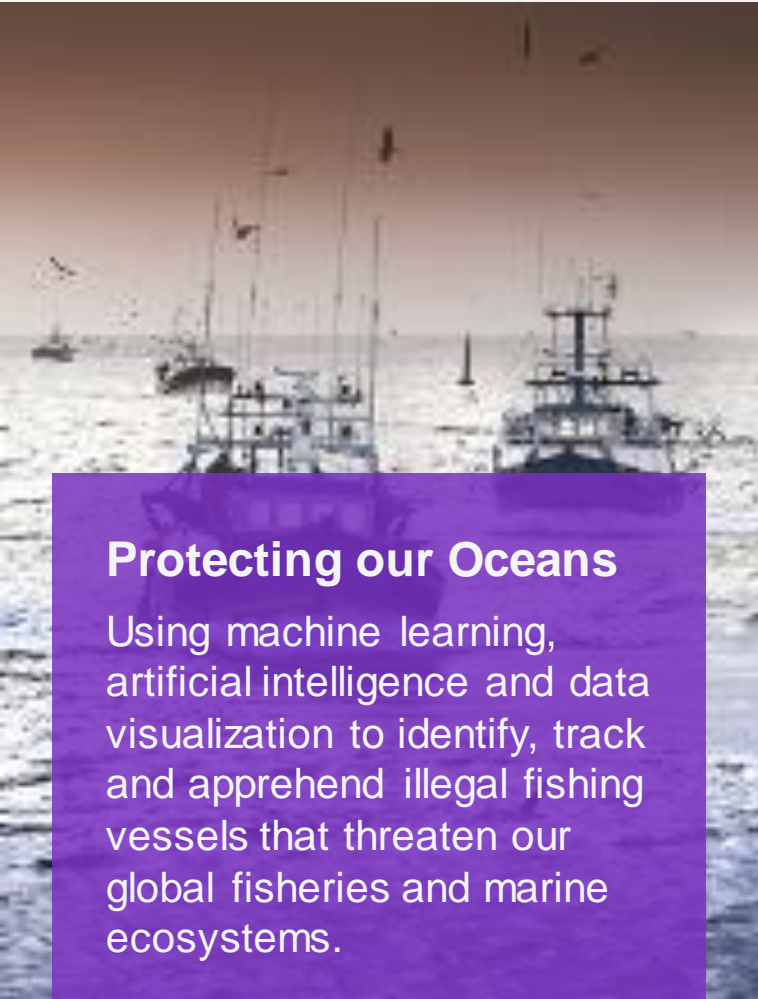


## Telewound Care

Best-practice wound management across the care continuum.

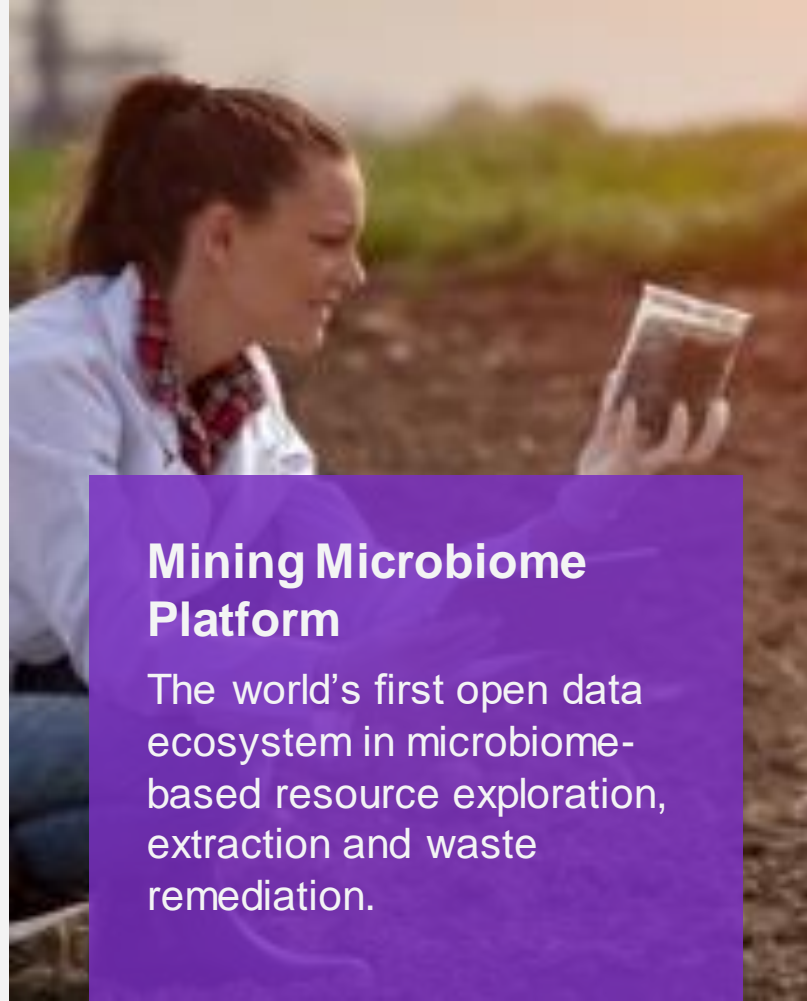


# Environmentally sustainable approaches to natural resources



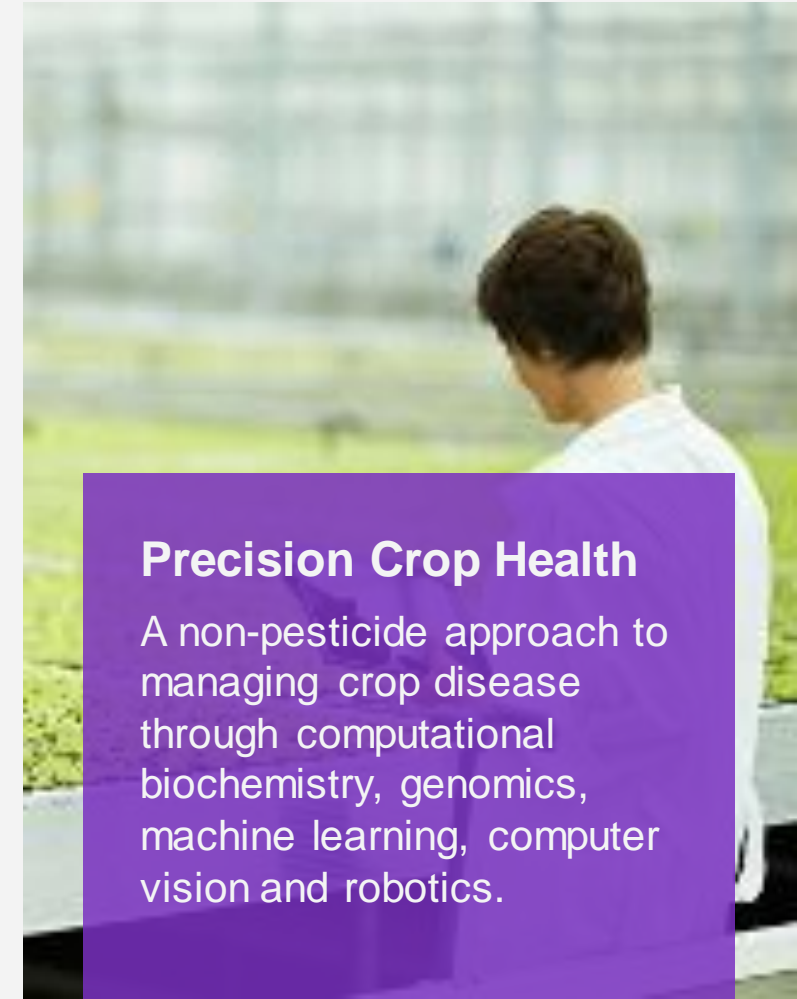
## Protecting our Oceans

Using machine learning, artificial intelligence and data visualization to identify, track and apprehend illegal fishing vessels that threaten our global fisheries and marine ecosystems.



## Mining Microbiome Platform

The world's first open data ecosystem in microbiome-based resource exploration, extraction and waste remediation.



## Precision Crop Health

A non-pesticide approach to managing crop disease through computational biochemistry, genomics, machine learning, computer vision and robotics.

# Improving the competitiveness of Canadian industry



## Digital Aviation Records

A platform and ecosystem for digitizing paper-based records and support digital records for airframes and parts.



## Forest Machine Connectivity

Automating and optimizing the timber harvesting supply chain using a network of 'smart' devices.



## Scaling Safe Food Delivery

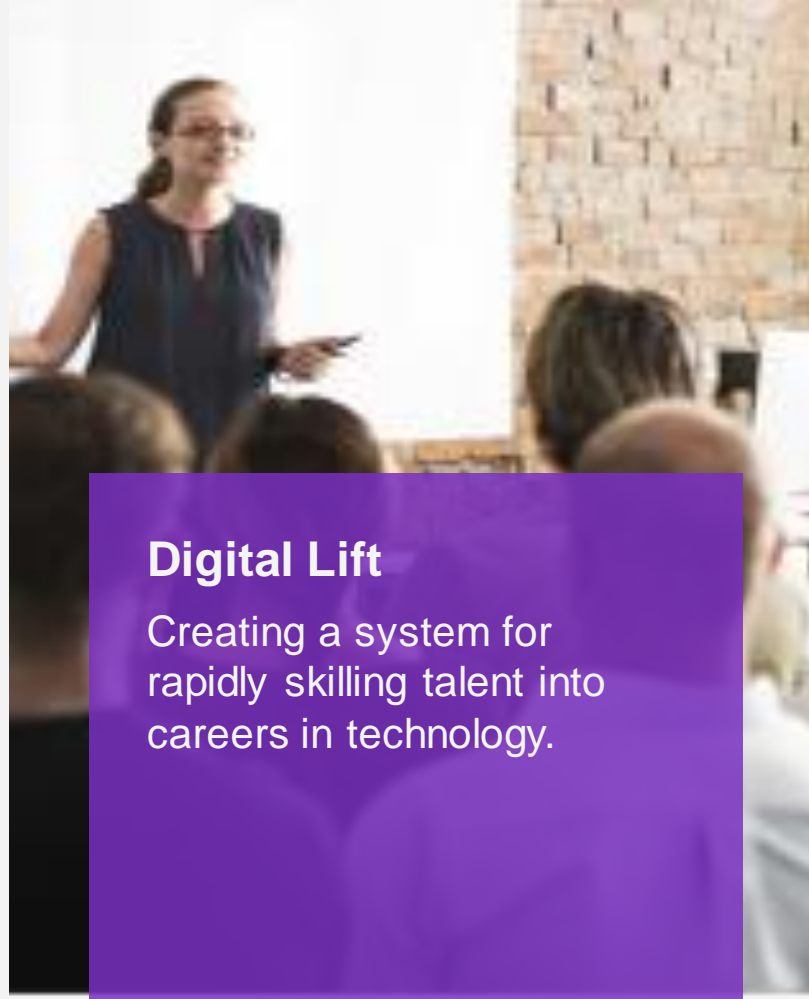
An end-to-end eGrocery Management solution to ensure food security for Canadians and improve food supply chain management.

## Preparing Canadians for the future



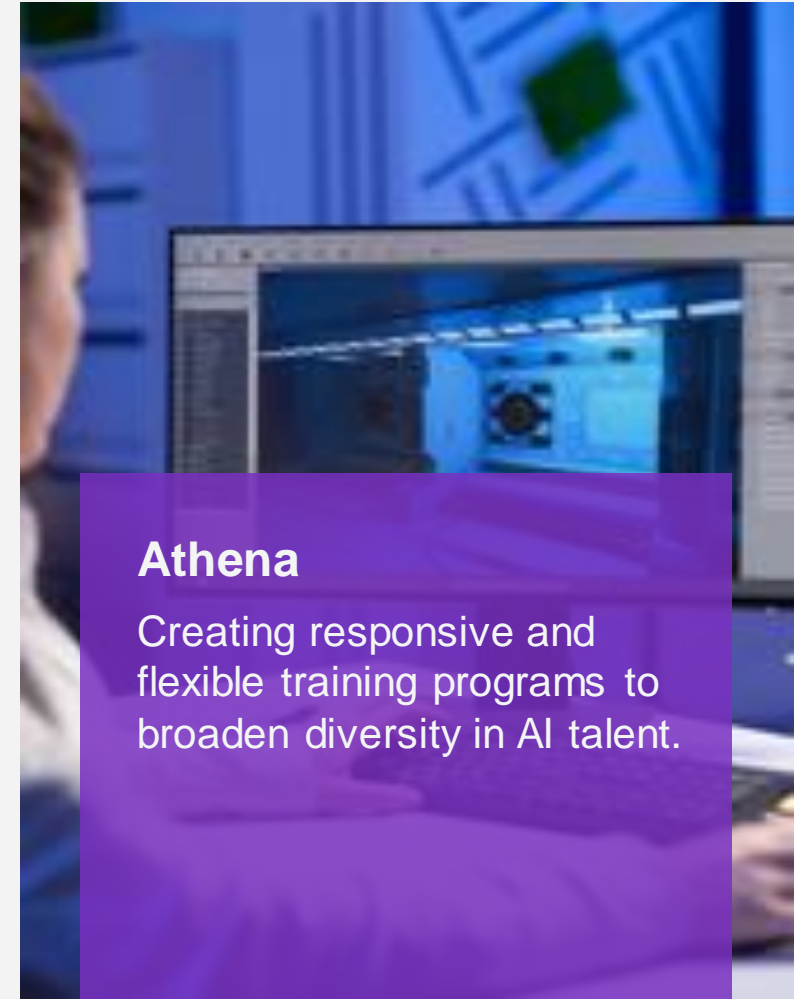
### Canadian Tech Talent Accelerator

Providing in-demand tech skills to 3,900 underemployed youth across Canada.



### Digital Lift

Creating a system for rapidly skilling talent into careers in technology.



### Athena

Creating responsive and flexible training programs to broaden diversity in AI talent.

# Canada-Wide Global Impact

**digitalsupercluster.ca**



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the-digital-technology-supercluster



@DTSupercluster