

NRC-CNRC

Canadian participation in **SUSTAINET**

National Research Council Canada • September 8, 2026



National Research
Council Canada

Conseil national de
recherches Canada

Canada 

NATIONAL RESEARCH COUNCIL CANADA (NRC)

- National network of research centres performing research and technical services with partners
- Innovation funding and advisory through Industrial Research Assistance Program (IRAP)



NRC • About

Research Centres provide R&D expertise and facilities:

- 2,313** scientists, engineers and technicians
- 126** R&D facilities in **24** sites operating in every province
- 1,117** R&D clients across industry and academia
- 1,414** peer-reviewed publications
- 1,647** active patents w/ high value relative to research peers
- 14** mission-driven programs focused on national challenges

IRAP supports economic growth through technological innovations:

- Advise **1,0000+** Canadian businesses annually to enhance innovation capacity and take ideas to market
- Fund **3,000+** SMEs annually, supporting **16,000+** jobs
- Connect innovators to **global value chains** and enable access to current technology and market intelligence on priority industry sectors
- Support **young talents** with a youth employment program
- National service network of **270+** advisors in every province

IRAP International

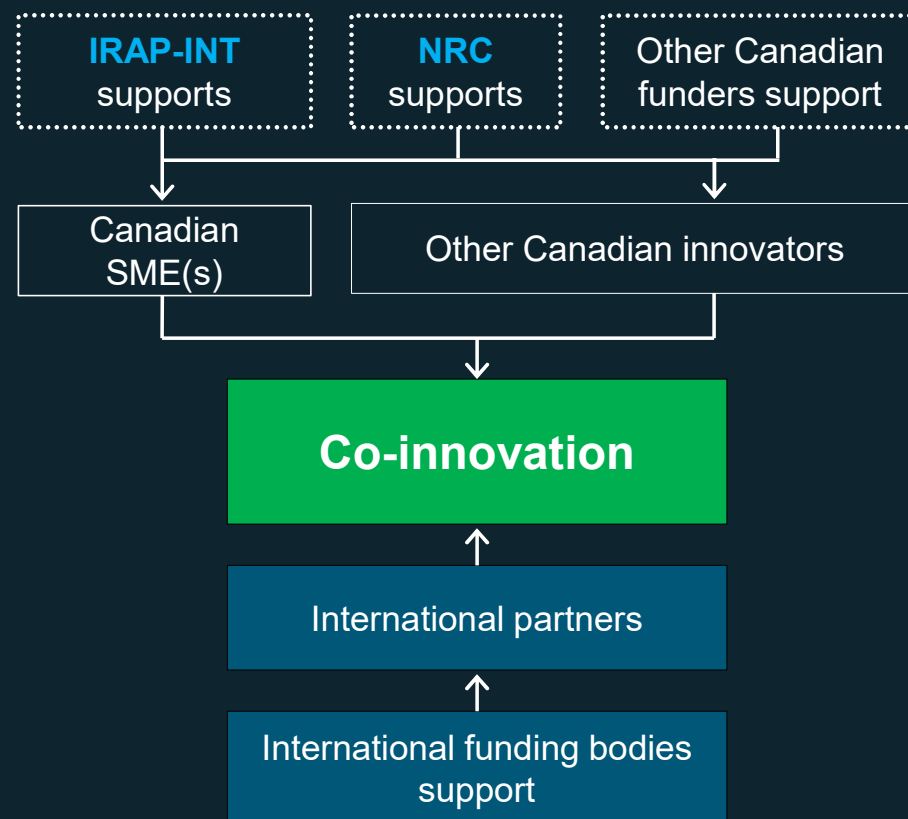
Supports **Canadian SMEs** in co-innovating through funding, advisory, partnership development, and innovation services

Works with NRC teams and key government partners for joint program delivery and funding:

- National / bilateral / **multi-lateral**
- Thematic / “bottom-up” joint calls for proposals
- “3+2” programming

Examples:

- **Eureka Clusters collaborations**
- Canada-UK Biomanufacturing Initiative
- Quantum G7 call for proposals



Canadian Participation in Eureka

2012

Canada **joined** Eureka
as associate member

2022

Canada voted in as a **full
member** (one of the first
outside the European area)

2024-25

Canada **Co-Chairs Eureka**
with Germany (a precedent in
Eureka history)

The **NRC** manages Canada's national office for **Eureka**,
and **IRAP International** delivers **Eureka** programming with
guidance from a **Canadian National Committee** comprising
key government organizations representing the interests of
Canadian stakeholders and industries.

Since 2012, [Eureka in Canada](#) enabled:

600+

partnerships
with **35+**
countries

380+

Canadian
partners

\$123M

of IRAP funding
support

\$1.5B

Total investment
leveraged by
partners

Canadian Telecommunications Sector

The sector contributed **\$87.3 billion** in direct GDP and supported **611,000 jobs** across the economy:

- \$30.1 billion in direct GDP generated
- \$57.2 billion in direct GDP outside the sector, enabled by productivity gains and business transformation across other industries.

Canadian Telecommunications Sector

One of the **fastest mobile networks** in the world, also rated the **best among G20** countries in PwC's mobile quality index.

99.5% of Canadians have access to LTE mobile coverage and **97.1%** Canadian households with 50/10 unlimited high-speed broadband access.

Canada National Priorities • Telecommunications

Universal high-speed internet access

- **Rural and indigenous connectivity** leveraging satellite / LEO solutions
- **100% Canadian households** with access to 50/10 unlimited high-speed broadband by 2030

Spectrum management for 5G, 6G, and future wireless

- Improve **competition**, **affordability**, and **consumer protection**
- High-frequency bands to support dense 5G applications and **future 6G readiness**

Canada National Priorities • Telecommunications

Streamlining infrastructure deployment and tower siting modernization

- Standardized and centralized digital portals for tower applications
- Reducing regulatory red tape

Economic productivity and digital sovereignty

- **Next-generation** technologies and innovation
- Network **resiliency**, **security**, and **critical infrastructure safeguards**

SUSTAINET • The Canadian Perspectives

Advance **Canada's leadership** in secure, intelligent and sustainable network technologies for 6G and beyond

Implement highly **resilient end-to-end networks** against natural disasters, cyber attacks and other disruptions

Develop **energy-aware** communication networks by leveraging AI and emerging technologies

Leverage telecommunications value chains provided by **Eureka's community** to validate end-user requirements, contribute to standards development and participate in early pilots



Vancouver, BC

Orbital Technologies

Calgary, AB

Wedge Networks

Regina, SK

HomeTeam Live

Winnipeg, MB

CEMWorks

Toronto, ON

Acentury

Andorix

Ottawa, ON

Averian

POLARSAT

Solana Networks

Montréal, QC

Latys Intelligence

MPB Communications

NAKISA

St. John's, NL

Solace Power

CELTIC-NEXT • Connecting Canada to Global Innovators

Innovation has been a key part of the Canadian telecom industry since **Alexander Graham Bell** conceptualized the telephone **152 years ago in Canada**

CELTIC-NEXT has demonstrated track record of supporting the **advancement of Canadian telecommunications technologies** through past collaborations

Continued engagement in the Cluster's established international co-innovation platform to **accelerate and amplify the impact of strategic technology priorities** for Canada and Eureka collaboration partners

Canada will take **SUSTAINET** approach further by identifying future opportunities based on Canadian industry input and to align with international partners

Thank you

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