

National Research Council Canada
Industrial Research Assistance Program (NRC IRAP)

Sweden Innovation Days

October 3, 2024



National Research
Council Canada

Conseil national de
recherches Canada

The NRC delivers value to Canada in two ways

**National network of
researchers and facilities**
performing research and technical
services with partners

**Delivers national
funding program**
The Industrial Research
Assistance Program

Industrial Research Assistance Program • NRC IRAP



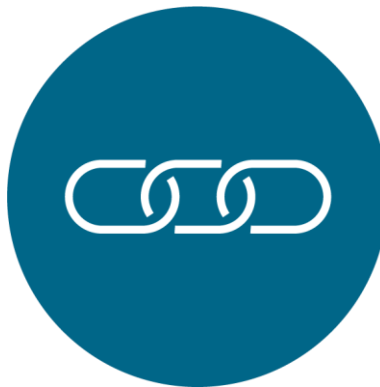
Provide advice, connections and funding

to help Canadian small and medium-sized businesses increase their innovation capacity and take ideas to market



Serve over 9,000 clients annually

(advisory services, funding or referrals) across all industry sectors)



Link innovative Canadian SMEs to global value chains

and support their growth by providing access to current technology and business market intelligence on priority industry sectors



Support youth

with an employment program

Industrial Research Assistance Program • NRC IRAP

75+ Year

Proven track record
(Since 1947)

\$468M

Annual contribution
funding invested in SMEs

9,410

Firms receiving
advisory services,
funding or referrals

Data from FY 2023-2024



Located across Canada in 106 communities

(Data from FY 2023-2024)

IRAP advantage



IRAP engagement model



Advisory services

- Business advice
- Linkages
- Strategic intelligence
- Technical expertise



- IRAP R&D projects
- Youth employment
- International

A woman with blonde hair in a bun, wearing a striped shirt, is sitting at a desk and looking at a tablet. A man with grey hair, wearing a dark blue shirt, is sitting next to her, also looking at the tablet and gesturing with his hand. They are in a modern office with large windows in the background.

Grow global

International co-innovation opportunities for Canadian SMEs

- Connect to programs and expertise
- Improve competitiveness
- Tap into emerging markets and innovative developed markets

Canadian SME growth through co-innovation



Co-innovation enables organizations to share resources and insights to collectively develop new products, services and solutions that benefit everyone involved.

NRC IRAP's international offerings provide SMEs with pathways to collaboration leading to:

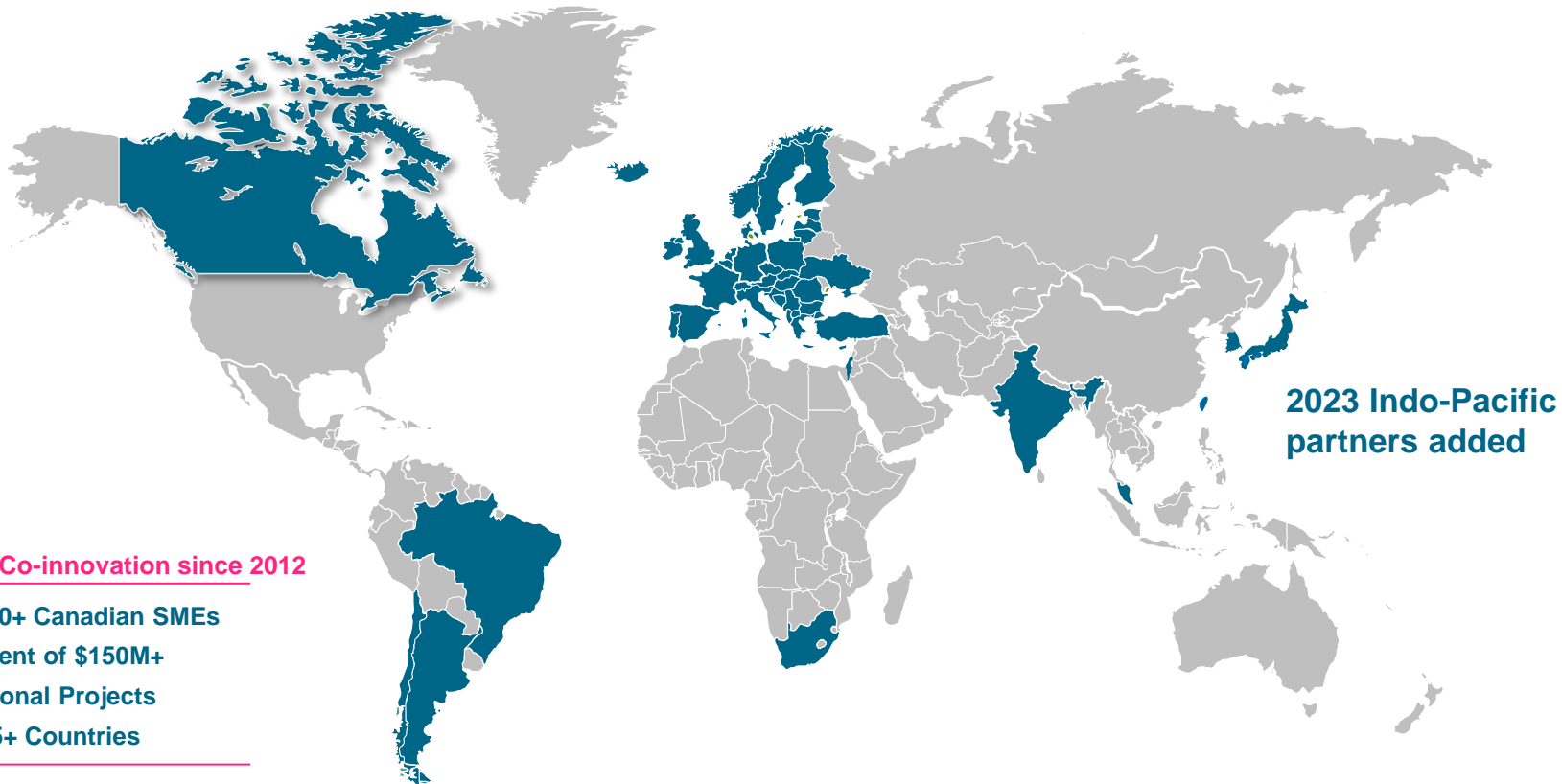
- Higher quality of innovation
- Higher quantity of innovation
- Improved financial performance

Co-innovation: types of eligible activities



EMPHASIS ON COMMERCIALIZABLE R&D

IRAP International • global reach



International Co-innovation since 2012

Supported 600+ Canadian SMEs
IRAP investment of \$150M+
800+ International Projects
Partners in 45+ Countries

Eureka Network



Leading
platform for
international
cooperation



Intergovernmental
(& national funding
authorities)
network

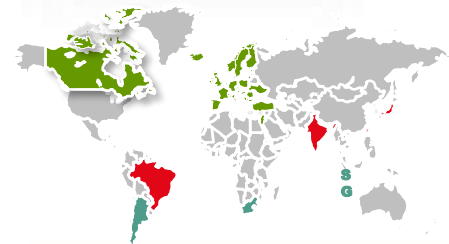


Supporting
market-oriented
R&D
projects

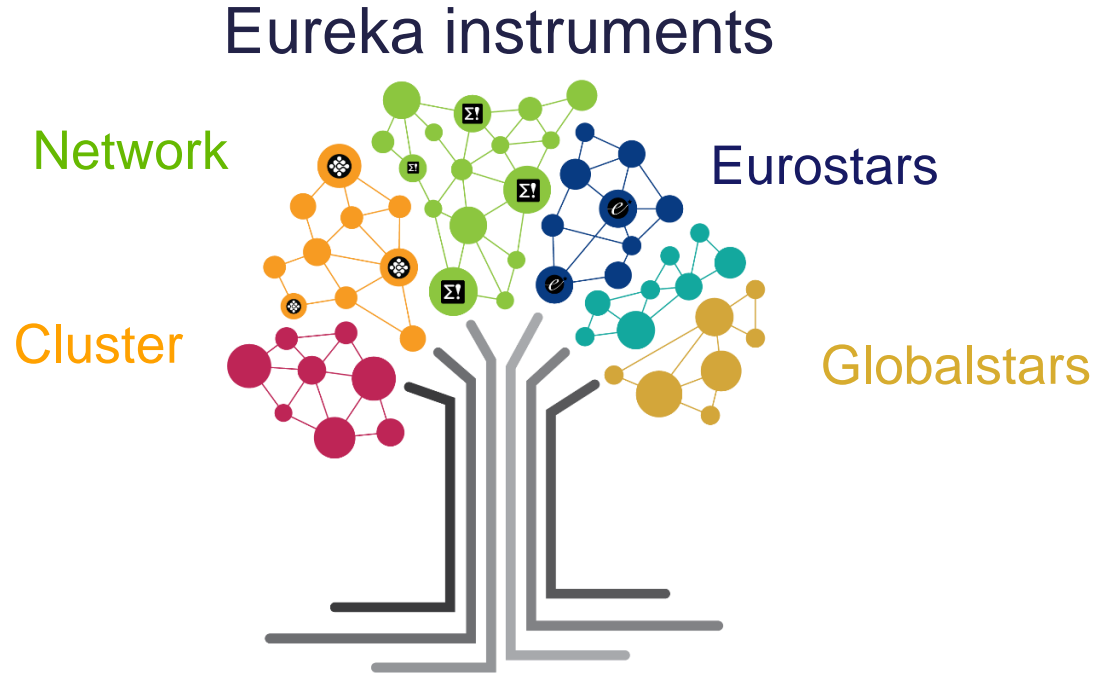


Facilitating
access to
finance

- Eureka is an intergovernmental network (48 member and associate countries) aiming to facilitate market-oriented industry-led R&D projects across borders
- NRC manages Canada's Eureka National Office, with IRAP as the SME instrument – providing advisory services and financial support to SME participants.



Eureka – 4 Project Types



> 45 countries

NATIONAL RESEARCH COUNCIL CANADA

Canada – Sweden Eureka Projects



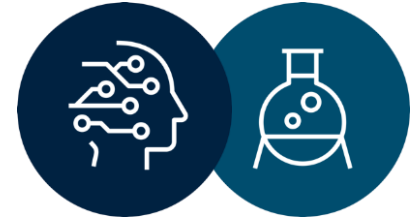
Canada - Sweden	Eureka Projects, 2015 to 2024-09			
	Eurostars	Network	Clusters	TOTAL
Number of Projects	4	6	14	24
Canadian Partners	4	10	30	44
Swedish Partners	5	7	65	77

E!Network project **CONCRETE AI PLATFORM**

Concrete mixture optimization platform using AI



- 2019-2020; Est. project cost 1.10 M€
 - **Canada:** Giatec Scientific (ON; **lead**), IRAP funded 500,000 \$
 - **Sweden:** Swerock
- › *Shortlisted at the Eureka Innovation Award 2022 for “Best Sustainability Innovation”*



**GLOBAL
INNOVATION**
SUMMIT
2022

Canada-Germany Eureka Co-Chairship: *#FurtherTogether*

Σ eureka
Canada | Germany



Global Innovation Summit - Hannover



- On the margins of Hannover Messe 2025 where Canada is the official Partner Country
- Plenary program with thought leaders
- Side events for thematic
- Country innovation days
- Partnering events
- Pitch opportunities and B2B for companies
- Workshop on Circular Value Creation

Thank you

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