

# Canadian participation in ITEA

June 1, 2023



# Canada in Eureka ITEA

## Snapshot



Eureka is an international network for industrial R&D collaboration that includes more than 45 countries

Since Canada joined in 2012:

- Over 300 Canadian participants
- Collaboration with 600 international partners in 35 countries
- Projects valued at \$800 million

Specific to ITEA:

- 40 projects have been completed, started, or labeled since 2012 with participation from 50+ Canadian participants.
- \$15 million national funding awarded to SMEs
- 9 ITEA consortia were led / co-led by Canadian



# Eureka ITEA project “Medolution”

Long-term monitoring and real-time decision support in smart environments that integrate professional and user-created data.

- Canada, France, Germany, Netherlands, Türkiye
  - Project lead: Philips Medical Systems (Netherlands)
  - **Canada:** Norima Consulting (Winnipeg, MB. IRAP funded 969,600 \$)
  - 2015-2019; Est. total project cost : 22.71 M€; <http://medolution.org/>
- › NRC Success Story 2018



***“Joining Medolution was a real win. (...) It offers terrific market visibility and validation for the company's expertise.” - David Kuik, CEO of Norima***

# Eureka ITEA project “CyberFactory#1”

## Opportunities and threats for the Factory of the Future

- Canada, Finland, France, Germany, Portugal, Spain, Türkiye
- Project lead: Airbus CyberSecurity SAS (France)
- **Canada:** Bluewrist Inc. (Markham, ON. IRAP funded 346,500 \$)
- 2018-2022; Est. total project cost : 24.6 M€; <https://www.cyberfactory-1.org/>
- ITEA Award of Excellence 2022 for Business impact



*“(...) new cybersecure solution for device life cycle management or new process for aircraft structural components assembly. (...) Around 150 M€ additional revenues for the project partners in 2025”*

# Eureka ITEA project “Secur-e-Health”

Digital ID technologies and privacy-preserving analysis techniques in a secure system infrastructure for medical institutions

- Canada, Finland, Germany, Netherlands, Portugal
- Project lead: Kelvin Zero (Canada)
- **Canada:** Kelvin Zero (QC); Perceiv Research (QC); Identos (ON).  
IRAP total funding 2 m\$.
- 2021-2025; Est. total project cost : 19.4 M€



IDENTOS

*“This is expected to have a significant impact on the quality of the medical predictive models, the efficiency of data-driven treatments, the acceleration of new clinical research, and the improvement of healthcare in general”*

# ITEA in Canada

## Team Canada

- EU countries often represented by a ***national consortium*** of SMEs, research organizations, and large industry partners
- Aligned with ***national use cases***
- **Team Canada** can create ***critical mass*** and ***accelerate commercialization*** for Canadian partners

# ITEA in Canada

## Consortium leadership

- Influence technology roadmap and strategy of consortium
- Capable of managing and coordinating 10+ partners, most based in EU
- 3+ years commitment - consider resources required
- Look for a leader experienced in ITEA process and has resources to carry the project through to completion
- Consider participating without leading
- Consider co-lead, technical lead, or Canadian lead roles

# ITEA in Canada

## Funding eligibility for SMEs

- NRC IRAP provides funding for Canadian SMEs:
  - For-profit and incorporated in Canada
  - <500 full-time equivalent employees
  - Growth-oriented with market traction:
    - 15+ FTEs
    - \$2M+ CAD in annual revenue
    - Successfully commercialized at least one product domestically / internationally
- Canadian partners can leverage funding from other sources (Superclusters, CanExport, NSERC, SR&ED, private, etc.)
- Participation can also be self-funded



# ITEA in Canada

## Funding Partner

- Canada's Digital Supercluster
- **Karen McClure, Chief Investment Officer**
- [www.digitalsupercluster.ca](http://www.digitalsupercluster.ca)

# ITEA in Canada

## Partnering mission to Germany – PO Days 2023

- Aligns with ITEA annual Call for Projects
- September 11-15 2023 in Berlin, Germany
- Canadian delegation of 20-30
  - SMEs, Research Organizations and Industry Partners
- Includes orientation/networking, PO Days participation and site-visits

# Panel Discussion

## Share your ITEA experiences

### **Alain Coulombe, CEO, 3DPartFinder / 3DSemantix**

- Project “SAMUEL”: 8 partners from 2 countries, completed Nov. 2022

### **Curtis Howe, CEO / Nancy Butler, VP of Operations, Mariner Innovations**

- Project “AutoDC”: 19 partners from 3 countries, completed Oct. 2021

### **Justin Gammage, Senior Executive Advisor, Strategic Research Priorities and Industry Collaborations, Ontario Tech University**

- Project “XIVT”: 21 partners from 5 countries, completed Dec. 2022

### **Thierry St-Jacques Gagnon, CTO, Kelvin Zero**

- Project “Secur-e-Health”: 30 partners from 5 countries, started March 2022

# Thank You

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