STRATEGIC INNOVATION FUND - STREAM 4 COMPETITION

Automation and Digital Technology in the Agriculture and Agri-Food Sector

Declaration of Intent to Apply

To promote transparency of potential applicants and to foster collaboration, we ask that parties planning to participate in the competition declare their intent by January 11, 2019 as follows:

1. We intend to submit a Full Application under Stream 4 of the Strategic Innovation Fund as a LEAD APPLICANT.

- NETWORK
- CONSORTIUM

Name of Lead Applicant: Ontario Greenhouse Vegetable Growers (OGVG)

Anticipated Proposal/Project Title: Deep Green: Food Sovereignty through Autonomy and Assurance

Short Proposal/Project Description (Max 150 Words):

DEEP GREEN - Food Sovereignty through Autonomy and Assurance – is a network of diverse stakeholders led by the Ontario Greenhouse Vegetables Growers aimed at implementing innovative sector-wide solutions including: automation and robotics, data and digital solutions, sensors, interconnectivity, artificial intelligence, machine learning, and blockchain. This initiative leverages Canadian technologies and systems expertise from the automotive and automation industries addressing key challenges in the Canadian greenhouse sector such as maximizing production efficiency, improving value-chain traceability, and increasing consumer integration. Innovation will be adopted through the scalable implementation of disruptive technologies throughout the value-chain. Activities include: collecting and mining data sources, facilitating AI and machine-learning solutions, addressing labour shortages through customized automation, enhancing food safety assurance models and translating the findings into meaningful consumer communications. Additionally, the inclusion of academic and industrial partners enables the attraction and training of HQP, which are required to support transitioning to system and plant level autonomy.

-AND/OR-

2. We would like to participate as a PARTNER with a lead applicant in support of a Full Application under Stream 4 of the Strategic Innovation Fund.

The following represents a list of organizations that have expressed interest in partnering on the aforementioned project. This list will be expanded and finalized in the full application.
Name of Potential Partner: St. Clair College (Regional, Academic)
Area of Expertise/Interest: Robotics, Automation, Data Analytics, Networking, Digital/Simulation solutions, Training HQP

Name of Potential Partner: University of Windsor (Regional, Academic)

Name of Potential Partner: Institute Food Processing Technology-Conestoga College (Regional, Academic)
Area of Expertise/Interest: Research and Innovation, Food Safety and Quality assurance, Automation and Robotics, Sensors, Production Efficiency, Traceability

Name of Potential Partner: Canadian Association of Mold Makers – Automate Canada (National, NFP)
Area of Expertise/Interest: Robotics, Automation, Data Analytics, Networking, Digital/Simulation solutions

Name of Potential Partner: Siemens Canada Limited (National, For Profit)
Area of Expertise/Interest: Automation hardware, Software and consulting services relating to the integration of these technologies. Supports training of HQP.

Name of Potential Partner: Windsor Essex Economic Development Corporation (Regional, NFP)
Area of Expertise/Interest: Advancing regional economic development

Name of Potential Partner: Nature Fresh Farms (International, For profit)
Area of Expertise/Interest: Greenhouse production, Produce grading and packing, Energy management, Robotics, Automation, Training HQP, Organic production

Name of Potential Partner: South Essex Fabrication (Regional, For profit)
Area of Expertise/Interest: Manufacturing, Fabricating, Automation, OEM solutions for agriculture, ERP, Labour productivity,

Name of Potential Partner: Great Lakes Greenhouses (Regional, For profit)
Area of Expertise/Interest: Greenhouse production, Produce grading and packing, Training HQP

Name of Potential Partner: Erie James Produce Co. (Regional, For profit)
Area of Expertise/Interest: Greenhouse production, Produce grading and packing, Training HQP

Name of Potential Partner: Canadian Horticulture Council (National, NFP)
Area of Expertise/Interest: National greenhouse sector liaison

Name of Potential Partner: NRC (National, Government)

Name of Potential Partner: OMAFRA (Provincial, Government)
Area of Expertise/Interest: Robotics, Automation, Data Analytics, Networking, Digital/Simulation solutions, Training HQP, Knowledge and Technology Transfer, Agricultural expertise

Name of Potential Partner: AAFC (National, Government)
Area of Expertise/Interest: Technical expertise in agricultural systems

CONTACT INFORMATION FOR LEAD APPLICANT / PARTNER:

MAIN CONTACT: Dr. Justine Taylor

NAME OF AUTHORIZED SIGNING OFFICER: Mr. Joseph Sbrocchi

EMAIL OF AUTHORIZED SIGNING OFFICER: j.sbrocchi@ogvg.com

COMPANY/ORGANIZATION ADDRESS: 32 Seneca Road

CITY: Leamington PROV: Ontario POSTAL CODE: N8H 5H7

I consent to have the above information published on ISED’s webpage.

I consent to have the above information directly shared with other applicants and/or other federal departments and agencies by ISED.

Signature of Officer with signing authority for the organization

Signed

Date: January 11th, 2019

Stream 4 is competitive process. Submission of a complete application does not mean that funding will be granted. Also, your consent or non-consent will not affect the eligibility of your application.