Agri-Food Innovation Summit Program
May 13, 2019, Monsella Room
Hilton Garden Inn
361 Queen Street, Ottawa, Ontario

7:45 – 8:30 am	Registration and Breakfast
8:30 – 8:45 am	Opening Remarks
8:45 - 10:15 am	Spotlight on Innovation Superclusters

Dr. Bob Tyler, Chief Technology Officer, Protein Industries Canada

Kendra MacDonald, Chief Executive Officer, Ocean Supercluster

The recently announced Ocean Super Cluster presents an unprecedented opportunity for the Atlantic region to drive sustainable economic growth from our ocean. With the longest coastline and fourth largest ocean territory in the world, this is a partnership between the federal government and the private sector to accelerate innovation and commercialization within the ocean economy. Kendra will discuss the opportunities this represents and the potential challenges to overcome to realize the full potential for the region and for the country.

Kendra is the Inaugural CEO of Canada's Ocean Supercluster responsible for driving innovation and growth in the ocean economy.

She was previously a Partner in Deloitte's Risk Advisory practice and the Chief Audit Executive of Deloitte Global. She worked with a number of clients across multiple industries, small and large, public and private in the areas of governance, risk management, cyber security, internal and external audit.

Kendra is a frequent speaker and facilitator on the topics of innovation, future of work and disruptive technologies and is currently the Chair of the Newfoundland and Labrador Association of Technology Industries. Kendra has had the opportunity to live and work in Ottawa, Montreal, Australia and Hong Kong before moving to St. John's in 2010 where she now resides with her husband and two children.

Julien Billot, Chief Executive Officer, Artificial Intelligence Powered Supply Chains Supercluster

Mr. Billot is CEO of Scale Ai, Canada's artificial intelligence Supercluster dedicated to building the next generation supply chain and boosting industry performance by leveraging AI technologies. He is also an adjunct professor of HEC Montreal and the Montreal lead for two transformational programs aiming to launch and grow startups in Artificial Intelligence leveraging Montreal tech and business ecosystem, NextAI and the CreativeDestructionLab (CDL). He also serves as a director in various companies and non-profit organizations.

Until recently, Julien Billot has been President and Chief Executive Officer of Yellow Pages Group Corporation in Montreal, Quebec. Previously, he was Executive Vice President, Head of Media of Solocal Group (formerly PagesJaunes), the incumbent local search business in France. Earlier experience includes serving as CEO of the digital and new business group of Lagardère Active and 13 years in senior management positions at France Telecom, notably as Chief Marketing Officer for Orange, the company's mobile subsidiary. Mr. Billot is a graduate of École Polytechnique (Paris) and from Telecom Paris Tech. He holds a postgraduate diploma (DEA) in Industrial Economics from the University of Paris-Dauphine.

Bruce Wallace, Chief Creative Officer, Advanced Manufacturing Supercluster

Bruce is Chief Creative Officer at NGen. Prior to joining NGen, he spent two years as a special advisor providing strategic communications advice to the Deputy Minister of economic development, research, innovation and science in the Ontario government. At Queen's Park, he was part of the team that launched the Vector Institute of Artificial Intelligence in 2017, as well as the group that designed Ontario's response to the Amazon HQ2 competition. He also produced Think Ontario, a book and digital product promoting Ontario's knowledge economy to foreign investors.

A native of Montreal, Bruce was UK bureau chief in London and Ottawa bureau chief for Maclean's magazine, before joining the Los Angeles Times as Tokyo bureau chief in 2004. In 2008 he became the paper's foreign editor, based in LA, where he led a global news report that won several major awards for its coverage. Over three decades in journalism, Bruce worked in conflict zones from the Balkans to Iraq and Somalia, and covered politics, economics and culture from around the world. Before joining the government, Bruce was the Reuters global editor for energy and environmental policy based in Washington DC. He has also been editor of Policy Options, Canada's premier public policy magazine leading its transformation from a print to digital product.

10:30 am – 11:45 am	Collaboration Session and Q&A session

11:45 am – 12:45 pm	Networking Luncheon

12:45 – 2:30 pm	AgriScience Clusters Presentations and Q&A Session

Andrea Brocklebank, Executive Director, Beef Cattle Research Council

Canada's sustainable beef and forage science cluster

Prosperity for the Canadian beef industry not only benefits producers and the economy, but ensures the maintenance of critical pasturelands that contribute to carbon sequestration, biodiversity, and wildlife habitat. The Beef Cattle Research Council's third science cluster aims to grow beef exports and supply growing global beef demand by supporting research, innovation, and technology transfer that advances Canadian beef and forage production while enhancing competitiveness and public trust. This presentation will outline how the cluster supports productivity improvements and environmental performance, including continued reductions in greenhouse gas emissions, while maintaining important stewardship of air, water and soil.

Andrea is the Executive Director of the Beef Cattle Research Council. She has worked in various roles within the Canadian Cattlemen's Association over the last fourteen years. In her current role she oversees the delivery of BCRC's research and extension programming. Andrea has a B.A. in Agricultural Studies and an M.Sc. in Agricultural Economics. Andrea lives on her family's farming operation near High River, Alberta with her husband and two young sons.

Abida Ouyed, General Manager, Swine Innovation Porc

Swine Cluster 3: An Overview

Swine Cluster 3 is the third major R&D and knowledge and technology transfer (KTT) program that Swine Innovation Porc has built since 2010. This program is designed to accelerate innovation, drive sustainable growth, strengthen competitiveness, and maximize the swine sector's resilience. Projects within this program will allow the industry's main priorities and needs to be addressed by:

- Incorporating a well-balanced research portfolio of both applied and fundamental science;
- Targeting innovative short, medium and long-term research outcomes;
- Implementing and continuing existing effective KTT strategies to ensure the adoption of research results .

Abida is the General Manager of Swine Innovation Porc, a national, non-profit organization that facilitates R&D and knowledge transfer for the Canadian swine sector. Abida has been with Swine Innovation Porc since its beginnings in 2010, where she started as Research Coordinator and led the implementation of the swine industry's first nationally-driven R&D program: The Swine Cluster. Abida speaks four languages fluently and holds a master's degree in Agronomy from University Laval in Quebec. She has worked in the agriculture sector since 1998 and enjoys her current role as General Manager.

Dr. Donald L. Smith, Director, McGill Network for Innovation in Biofuels & Bioproducts

BioFuelNet Cluster - Biomass, the bioeconomy and long-term sustainability

The Biomass Canada Cluster seeks to fit Canadian agriculture into the growing Canadian bioeconomy. In doing so, it will improve agricultural producers' incomes (by adding value to agricultural wastes and increasing production from more marginal lands) and improve the overall sustainability of the Canadian agricultural sector by reducing greenhouse gas emissions (by up to 25% of Canada's Paris Accord goals) and by making Canadian crop production systems more climate change resilient (resistant to climate-change-associated stresses: drought, heat, salinity). The cluster will keep agricultural operators and the general public informed regarding Canadian plant biomass for production of advanced biofuels and associated high-value bioproducts.

During his 34 years at McGill, Dr. Smith a (James McGill Professor) has conducted research on plant-microbe interactions related to crop plants. He has trained 81 graduate students, 2/3 at the Ph.D. level, published 325^{+} papers, generated eleven patents, started a spin-off company, and commercialized technologies now applied to ~10s of millions of ha per year. He has held research grants totaling $65^{+}million, been cited 10,000^{+} times and has an H-index of 55. He currently leads Biomass Canada.

Michael Faba, Project Manager, Bioindustrial Innovation Canada
Bioproducts Reasearch Cluster

Dr. Tania Humphrey, Chief Scientific Officer, Vineland Research & Innovation Centre
Automation Cluster
Dr. Humphrey is Vineland Research and Innovation Centre's Chief Scientific Officer. She oversees the research function of the organization and is responsible for research strategy, direction and portfolio management. Her role positions her as a key liaison with government, partners and stakeholders ensuring Vineland's research strategy is aligned to the needs and opportunities in the sector. She holds a PhD degree in Plant Biology from the University of Queensland, Australia.

2:45 – 4:15 pm	AgriScience Clusters Presentations and Q&A Session

Dr. Carol Ann Patterson, Principal, Pathfinders Research & Management Ltd.
Diverse Field Crops Cluster – a new cluster in the mix
The Diverse Field Crops Cluster focuses on research for seven high-potential, small acreage crops: camelina, canaryseed, flax, hemp, mustard, quinoa and sunflower-grown across Canada. The Cluster is represented by producer groups and private companies working together to grow their value proposition from farm gate to the end user. Diversifying the cropping mix will extend rotations, break disease and pest cycles and insulate producers from the volatility of commodity price cycles. In addition, these crops have unique, valuable components and functional properties that will be further explored. The DFCC is led and administered by Ag-West Bio Inc.

Dr. Patterson, Principal of the Pathfinders Research & Management Ltd, has extensive experience in the research, regulatory, production and quality assurance environments for agri-food products. Carol Ann led the novel food approval process for the Canaryseed Development Commission of Saskatchewan and acquired regulatory approval for glabrous canary seed as a new food cereal grain in Canada and United States. She received her graduate degrees in food science/microbiology from the University of Saskatchewan and her undergraduate agriculture degree from the University of Guelph.

Dr. Harvey G. Brooks, President, CWRC and General Manager, Sask Wheat Development Commission

The Canadian Wheat Research Coalition- Coordination for Regional and National Research Priorities

The Canadian Wheat Research Coalition (CWRC) is a collaboration between Sask Wheat, the Alberta Wheat Commission, and the Manitoba Wheat and Barley Growers Association. The CWRC will facilitate a collaborative approach to producer funding of regional and national research projects in variety development and agronomy including the Canadian National Wheat Cluster and successor programming to the core wheat breeding agreements with AAFC and universities. Partnerships with other potential funders outside of the founding members of the CWRC will continue to be very important. Worth nearly $25 million, projects funded through the Wheat Cluster will deliver innovations to address common issues for wheat production and will lead to improved varieties.

Dr. Brooks is the General Manager of the Saskatchewan Wheat Development Commission. He has served with the Government of Saskatchewan, the University of Alberta and the Canadian Wheat Board. He received his doctorate in economics from Iowa State University and his M.Sc. and B.Sc. in Agricultural Economics from the University of Saskatchewan. His career has focused on economic development and sustainability, encompassing policy, research, management consulting, and management and operations.

Matthew Czerwinski, Project Manager, Canadian Field Crop Research Alliance

Canadian Field Crop Research Alliance (CFCRA) - A National Collaboration of Provincial Producer Groups and Industry Partners Supporting Field Crop Research

The Canadian Field Crop Research Alliance (CFCRA) is a national collaboration of provincial producer organizations and industry partners supporting research to improve the productive capacity of barley, corn, soybean, oat and wheat. Since 2010, the organization has led Clusters and Projects under the federal agriculture policy frameworks, including the current Canadian Agricultural Partnership. The goal of current CFCRA-led initiatives is to develop more resilient, productive, and high-quality soybean and oat varieties and corn inbreds for Canadian producers and value chains, and to improve agronomic tools and practices for sustainable production of soybeans, oats and corn across Canada.

Matthew is the Project Manager for the Canadian Field Crop Research Alliance (CFCRA), a producer and industry research partnership established to advance the productive capacity of Canadian field crops. Matthew is also the Research Lead at Grain Farmers of Ontario, overseeing research priority-setting. Prior to joining GFO, Matthew worked in the plant pathology and applied genomics departments at Vineland Research and Innovation Centre. Matthew has MSc and BSc degrees in Biochemistry from McMaster University and Brock University, respectively.

Lisa Campbell, Program Manager, Canola Utilization, Canola Council of Canada

Canola AgriScience Cluster: Sustainable, Reliable Supply for a Changing World

The Canadian canola industry is focused on achieving the goals set in its industry-wide strategic plan “Keep it Coming: 52 by 2025”. The targeted innovation in the Canola AgriScience Cluster is aimed at increasing the value and demand for canola oil, meal and sustainable production. The cluster is organized into six themes. Four of the six themes are aimed at identifying and adopting new management practices which enhance profitability, provide production stability, provide farm production systems with increased resiliency, and favorable sustainability metrics to mitigate climate change.

Lisa is responsible for managing the research programs at the Canola Council of Canada (CCC) including the Canola Agri-Science Cluster, Canola Agronomic Research Program (CARP) and various oil and meal projects, as well as working to ensure that research results are effectively disseminated. Prior to her time at the CCC, Lisa was Director of Programs at Pulse Canada. Lisa graduated from the University of Manitoba with a master’s degree in Food Science.

Dr. Julianne Curran, Vice President, Food and Health, Pulse Canada

25 by 2025: Research to Support Market Development

A 25 by 2025 market diversification target was announced for the Canadian pulse industry in 2018 which translates into increasing use of 25% of Canadian pulse production (2 million tonnes) in new markets or for non-traditional applications by 2025. To achieve the 25 by 2025 target, Canadian pulse industry associations worked collaboratively to develop crop-specific marketing strategies and define supporting research needs based on extensive data analysis, market insights and stakeholder consultations. This presentation will highlight research needed to support market diversification of 2 million tonnes of Canadian pulses and opportunities for partnerships.

Julianne has a PhD in Human Nutritional Sciences and has worked at Pulse Canada since 2005. In her current role of Vice President, Food & Health, Julianne leads the development and implementation of marketing strategies to diversify markets for the Canadian pulse industry. Julianne also works closely with broad range of stakeholders including pulse grower associations, food and pulse processing industry, scientists, government, and health professional associations to identify strategic priorities for research related to health, nutrition, processing and utilization of pulses, and facilitates research to address priority areas.

Nicole Boudreau, Coordinator, Organic Federation of Canada

Connecting environmental sustainability with the science of organic agriculture

The Organic Science Cluster 3 rigorously addresses the environmental challenges associated with agriculture:

- by developing new crops and varieties that provide good yields under organic management;
- by identifying practices and varieties that are resilient in increasingly turbulent economic and ecological environments;
- by looking for low-risk solutions to pest control and exploring options to improve livestock health and welfare.

The OSC3 supports the growth of the Canadian organic market, the 5th largest market of the world, by raising the productivity of the organic operations and by improving its practices.

Nicole Boudreau is the main administrator of the Organic Federation of Canada. She is a biologist (BSc. Sherbrooke) and a communicator (B.A. McGill University). She is managing the Organic Science Cluster 3, after having been involved in the Organic Clusters 1 and 2. She is a 'fan' of the Cluster Program because it generates a synergetic cooperation between Canadian researchers and producers; ecological techniques and practices have no provincial borders.

4:15 – 4:45pm	Charting the Path Forward
4:45 – 6:00 pm	Networking Reception