



Full Program

Day 1: Wednesday, October 29

REGISTRATION: 8.00 - 16.00 (PCH) BREAKFAST: 8.00 - 9.00 (PCH)

GREETINGS & OPENING 9:00 – 10:30 PCH CENTRE

Dr. Ben Bradshaw, AVP Graduate Studies and International, University of Guelph **Dr. Rebeca Hallet**, Interim Associate Vice President Research (Agri-Food Partnership) **Dr. Christine Baes,** Acting Associate Dean, External Relations, OAC, University of Guelph

KEYNOTES

The Honourable Robert Black, P. Ag. (Hon), Senator for Ontario Professor Cees Leeuwis, Wageningen University

BREAK/ PCH 10:30 - 11:00

PARALLEL (ABSTRACT) SESSION I

Wednesday, October 29 11:00 – 12:30

Abstract Session I-A PCH SOUTH

AI in Agricultural Extension and Advisory

- Navigating Copyright Challenges in Generative AI for Climate-Smart Agricultural Extension and Advisory Services Md Mahatab Uddin*
- Extension Focused Artificial Intelligence to Aid Ohio Soybean Producers Lee Beers *; John Fulton; Rob Leeds; Mike Estadt; Chris Zoller
- Assessing AI Adoption in Ontario's Livestock and Horticulture Sectors: Challenges and Opportunities for Responsible Innovation Ataharul Chowdhury; Uduak Edet*
- Evaluating the Effectiveness of Large Language Models for Livestock and Climate-Related Agricultural Advices in Ontario Ramtin Shafaghati *; Ataharul chowdhury

Abstract Session I-B PCH NORTH

Digital Communication Platforms and Tools

 Diversifying Digital Communication in Extension Services: Circumventing Social Media Lock-in Effects Gordon Gow*





- AI, Audio, and Agriculture: Cross-Border Podcasting as a Tool for Digital Pedagogy and Sustainability Communication Madison Dyment*
- Perception of Extension Professionals Regarding the Use of Digital Extension Services in Bangladesh Saifur Rahman*
- Empowering Communities Through Digital Tools in the Philippines: From Laboratory to the Farm

Maria Victoria Espaldon*; Decibel Eslava; Moises Dorado; Loucel Cui; Leo Neil Viado; Bong Salazar; Regina Regalado; Rosemarie Laila Dimasuay; Gideon Aries Burgonio; Eduardo Calzeta

Abstract Session I-C UC 430

ICT Adoption and Precision Technologies

- Towards Implementing Precision Conservation Practices in Agricultural Watersheds: A
 Review of the Use and Prospects of Spatial Decision Support Systems and Tools
 Md Bodruddoza*
- Assessing the Perceptions of Precision Laser Weeding: A Pilot Study on Measurement Reliability
 - Sana Ullah*, , Chin-Ling*, Ginger Orton, and Md Sultan Mahmud
- Adoption of Information and Communication Technology (ICT) by Farmers to Promote Sustainable Agriculture in the Chittagong Hill Tracts of Bangladesh Mohammad Anamul Haque*; Rafiqul Islam; Shyamal Chandra Sarker; Ahmmed Al Name; Md. Osman Gazi
- Improving Livelihood in Vavuniya District, Sri Lanka: A Case Study of Dairy Farmers'
 Actual Use Towards Accessing Digital Extension Services
 Kamshajini Raveenthiran*; Helen Hambly Odame

Abstract Session I-D UC 441

Decision Support Systems and Data-Driven Innovation

- Bridging the Data-Action Gap: Potential Opportunities and Risks for Generative AI Language Models in Communicating Data Insights to Poultry Farms Laura Palczynski*
- The WELL-E Approach to Data-Driven Inclusive Innovation: Working with and for the Canadian Dairy Industry Elsa Vasseur*
- Mapping Technology Use in the Canadian Agriculture Extension Ecosystem *Carlene Schneider**

Abstract Session I-E PCH CENTRE

Misinformation in Agricultural Contexts





- Understanding the Misinformation Paradox: How Do False Agricultural Narratives Shape Farmer Decisions in Ghana's Planting for Food and Jobs Policy? Edward Asafo-Agyei*; Ataharul Chowdhury
- Understanding Gendered Dimensions to Agricultural Misinformation on Climate Change Adaptation in Nigeria Uduak Edet*; Khondokar Kabir; Nasir Khan
- Dual Challenge of Climate Change and Misinformation: How Misinformation Shapes Vulnerability and Adaptation in Rural Communities in Pakistan Nasir Khan*
- The Influences of Misinformation on the Participation of Rural Young People with Disabilities in Agriculture in Bangladesh *Sultana Yeasmin**
- Addressing Information Disorder on Climate-Smart Agriculture: Rethinking Advisory and Extension Services for Sustainable Rural Development in Nigeria.[ONLINE] Kehinde Oladeji*

Abstract Session I-F UC LAPIT

Communication, Trust, and Networks

- Toxicity and Misinformation: Drivers of Social Media Discontinuation and Implications for Facilitating Agricultural Innovation in Ontario Khondokar Kabir*; Ataharul Chowdhury; Tyler Zemlak
- Public Trust as Infrastructure: Reframing the Role of Institutions in Canada's Food and Rural Systems
 - Lisa Bishop-Spencer; Ashley Bruner*
- IFAD and Farm Radio International's Participatory Dialogues in Sub-Saharan Africa *Adeyinka Onikan**; *Eleanor Barlow*; *Rachel DeHaan*; *Carmina Marquez*
- Use of Network for Diffusion and Adoption of Climate Smart Agricultural Technologies [ONLINE]
 Md Rezaul Karim*

LUNCH/POSTER/INNOVATION EXPO 12:30–13:45 PCH CENTRE

- 1. Transformative Water Resources Governance in Wetland Ecosystems: A Systematic Review
 - Vahid Karimi*, Esmail Karamidehkordi, Homayon Farhadian, Masoud Bijan
- 2. Youth Typologies and Career Choices in Agricultural Value Chains: A Study of University of Ghana-Leventis Farmers' Training Program's (UG-LFTP) Participants *Isaac Alvin Amoah**
- 3. Farmers' Perception of Climate Change and Adoption of Alternate Wetting and Drying Irrigation Technology for Rice Production in the Northwest Bangladesh





Mohammad Anamul Haque*; M. Zulfikar Rahman; Md. Harun-Or Rashid; Md Rakibul Hasan; Mohammad Amir Hamza Miah

- 4. Evaluating Best Management Practices for Nutrient Load Reductions in Tile-Drained Watersheds of the Laurentian Great Lakes Basin: A Literature Review Md Bodruddoza*
- 5. Adoption of Organic Vegetable Farming Practices among Farmers in Mymensingh District of Bangladesh Abdul Mannan*; Mahmuda Akter; Mohammad Anamul Haque
- 6. Province-led Agriculture and Fisheries Extension System (PAFES) in the Philippines: Approaches, Rationale, Objectives, Framework, Strategies, Opportunities and Challenges

 Gideon Binobo*
- 7. Sustainable Energy Solutions for Greenhouse Agriculture: The Role of Ag Energy Co-Operative to Producers of Ontario's Vegetable Sector Paul Asare Anim*
- 8. Building the Capacity of Agricultural Extension Personnel for Effective Implementation of Agricultural Transformation Agenda in Nigeria *Oludotun Oludotun**
- Farmers' Adoption of Drought Tolerance Varieties of Rice in Dinajpur District of Bangladesh Md Rezaul Karim*
- 10. Language Revitalization of the Six Nations of the Grand River: Indigenous-led Development Yuka Kazama*

11. Carib. Farm - Digital Knowledge-Sharing Solution for Farmers

Carlo. Farm - Digital Knowledge-Snaring Solution for Farmers

Laura Macneil*

- 12. Barriers, Perceptions, and Solutions in the Dissemination of Horticultural Cultivars: Insights from Farmers and Experts in Iran Saeedeh nazari nooghabi*
- 13. Cultivating Collaboration: Building effective partnerships for farm climate change resiliency and stewardship success Fallon Hayes*, Jessie Spasov, Melanie Williams*

PLENARY I / INVITED PRESENTATION 13:45–15:15





PCH CENTRE

The Scottish Model of Extension, Advisory Services, and Education: What Can We Learn for Canadian Systems?"

Facilitator: Ataharul Chowdhury & Heather Watson
Chloe McCulloh & Jennifer Struthers, Scotland's Rural College
Tracy Evans, Ministry of Agriculture, Executive Director, Regional Services Branch,
Saskatchewan Ministry of Agriculture
Steve Roche, Director and Principal Consultant, Acer Consulting

BREAK/ PCH 15:15–15:40

PARALLEL (ROUNDTABLE & PROFESSIONAL DEVELOPMENT) SESSION II Wednesday, October 29

15:45 - 17:30

RoundTable & Professional Development Session II-A PCH SOUTH

- Emerging Lessons from Gender-Intentional Nature-Based Solutions for Climate Adaptation (45 minutes)
 Helen Hambly Odame*
- Cultivating Growth in Northern Ontario Agriculture (45 minutes) Emily Seed; Rachel Kehoe*

RoundTable & Professional Development Session II-B PCH NORTH

- Grassroots Leadership (45 minutes) Rachel Telford*
- Trust is the Technology: Mapping the Actor-Network for Rural Knowledge Exchange (45 minutes)
 Melisa Luymes*

RoundTable & Professional Development Session II-C PCH CENTRE

• Growing Extension Capacity and On-Farm Climate Resilience in Canada (60 minutes) Rosalie Gillis-Madden *; Geneviève Grossenbacher

RoundTable & Professional Development Session II-D UC 430

- Empowering Farm Business Success: Engaging Farmers Through Evolving Extension and Advisory Services (60 minutes)
 Heather Watson*
- Turning Soil Health Tests into Tools Farmers Use: Can it be done? (30 Minutes) Heather White *; Jake Munroe; Stephanie Vickers; Laura Van Eerd

RoundTable & Professional Development Session II-E UC 441





- Digitalization and Responsible Use of AI to enhance capacity for Agri-food Systems (60 Minutes)
 - Laura Macneil* roundtable with Rozita Dara, Neil A. Smith, Tomaso Ceccarelli, & Shelley Seed
- Beyond the Farm Gate: Engaging Publicly with Purpose and Impact (30 minutes) *Amanda Richardson**

WELCOME RECEPTION 18:00-20:30 Science Complex Atrium

Day 2: Thursday, October 30

BREAKFAST: 8.00 – 9.00 (PCH)

REGISTRATION: 8.00-16.00 (PCH)

PARALLEL (ABSTRACT) SESSION III 9:00 - 10:30

Abstract Session III-A PCH SOUTH

Indigenous Knowledge and Food Systems

- The Community Citizen Scientist: The Garden Stewards in First Nation in Northern Ontario, Case Study)
 - Paul Benalcazar*, Silvia Sarapura—Escobar, Charlotte Potter, Justina Walker, Seth Sabourin, Pic Mobert First Nation Community et al.
- Braided and Interdisciplinary Approaches to Indigenous Food Systems for Food Security and Sovereignty
 - Paul Benalcazar* Silvia Sarapura Escobar, Charlotte Potter, Margarita Fontecha
- Local and Indigenous Knowledge Systems in the Peruvian Andes: Turno Cultivation in the Campesino Communities of Huancachi and Quilcas Charlotte Potter* Silvia Sarapura-Escobar
- Indigenous Wild Rice Systems and One Health: A Scoping Literature Review Muireann Heuchan*; Margarita Fontecha; Natalia Berti; Silvia Sarapura Escobar

Abstract Session III-B PCH NORTH

Social Inclusion and Marginalized Groups

- Cultivating Inclusion: Empowering Farmers with Disabilities for a Thriving Future Jeanelle Joseph*; Tessa Barry
- 2SLGBTQ+ Discrimination and Community Integration in Perth and Huron Counties Daniel Layden*; Leith Deacon
- Inclusive Extension-based Strategies to Support Historically Marginalized Black, Indigenous & People of Color (BIPOC) in 21st Century's American Agri-food System: Samrat Sikdar*; Kirk Swortzel





Trust is the Technology: Applying Actor-Network Theory for social inclusion in Ontario agriculture *Melisa Luymes**

Abstract Session III-C LA PIT

Extension for Climate Adaptation

- Assessing the Knowledge of Extension Agents in Facilitating Climate Adaptation Strategies among Farmers in Ekiti State, Nigeria [ONLINE] Oluwaseun Bamigboye*; Imisi Omokunga
- Learning Needs of Agriculture Extension Agents Regarding Agro-Ecology in Punjab, Pakistan
 - Muhammad Ali*
- Assessing Farmer's Preparedness to Cope with the Effects of Multiple Climate Change Related Hazards in Ghana
 - Enoch Kwame Tham-Agyekum; Richard Obed Dankyi; Ebenezer Osei Jones; Camillus Abawiera Wongnaa, Delorid Enyo Awalime*,

Abstract Session III-D PCH CENTRE

Climate Resilience and Transformation

- When the Trojan Horse Enters the Castle of Resilience: Rethinking Agricultural Extension to Avoid Risk of Maladaptation to Climate Change Davoud Rouzaneh*; Moslem Savari; Sadegh Rahmani [Online]
- Cultivating Collaboration: Building Effective Partnerships for Farm Climate Change Resiliency and Stewardship Success
 - Fallon Hayes*; Jessie Spasov; Melanie Williams
- Building On-Farm Resilience and Lowering Emissions Across Canada Rosalie Gillis-Madden*; Andrew Rushmere; Crystal Arsenault; Brenda Hsueh
- Exploring Prince Edward Island Beef Farmer Perceptions of Participation in Climate Change Mitigation
 - Maggie McCormick; Ataharul Chowdhury; Nasir Khan*

Abstract Session III-E UC 441

Agroecology and BMP Adoption

- Farmer-Led Research to Support the Adoption of Agro-Ecological Practices in Ontario Sarah Larsen *; Erin Nelson
- Not all BMPs are Created Equal: No Regret, Neutral, Sacrifice and Dead End BMPs David Rourke*
- Uncovering Successes and Gaps: Exploring the Landscape of Learning and Knowledge Transfer in Grassland Management Brooke McWherter*; Amber Dyck; Emma Brooks
- Understanding How Canadian Producers Use Information Sources to Inform Their Adoption of Beneficial Management Practices Matt Blackshaw*; Kieran Findlater; Sandra Znajda





Abstract Session III-F UC 430

Soil Health and Networks

The Role of Not-for-Profit Organizations in Extension Delivery: The Case of the Ontario Soil Network Paige Allen; Lorraine Vandermyden*; Baran Karsak; Erin Nelson

- The Social Side of Soils: a Farmer-Centered Analysis on the Adoption of Cover Crops *Paige Allen**
- Bringing Soil Health Assessment to Farmers in Ontario's Golden Horseshoe *Ryan Carlow**; *Paul Smith*; *Adam Hayes*; *Jenny Bower*; *Jake Munroe*The Power of Observability: Rethinking Soil Health Information Networks and Extension Through the Voices of Southern Ontario Farmers*Heather White**

BREAK/ PCH 10:30 - 11:00

PARALLEL (ROUNDTABLE & PROFESSIONAL DEVELOPMENT) SESSION IV 11:00 – 12:30

RoundTable & Professional Development Session IV-A PCH SOUTH

- Rural Economic Development: Ontario Ministry of Rural Affairs' Approach to Capacity Building (45 Minutes)
 Karla Uliana*
- Effective Extension in Practice: Rethinking Ag Knowledge Mobilization through Training and Multimedia (45 minutes)

 Toban Dyck*, Jay Whetter

RoundTable & Professional Development Session IV-B PCH CENTRE

- Connecting Traditional and Non-Traditional Players in Extension to Drive Sustainability Outcomes (45 minutes)
 - Janice LeBoeuf *; Christoph Wand, Panel Discussion with Nick Betts, Monica Hadarits & Mohamad Yaghi
- The North American Agricultural Advisory Network: Strengthening Extension Through Cross-Border Collaboration (45 minutes)
 - David Nielson*, Panel Discussion with, Doug Steele, Jennifer Wright

RoundTable & Professional Development Session IV-C PCH NORTH

- Modernizing Agricultural Extension: Introducing Root, a Digital Platform for Canadian Producers (45 minutes)
 - Richard Hilton* Mark Redmond* & Mohamad Yaghi
- LLMs for Ag Advisory: Opportunities, Limitations, and Practical Application (45 minutes)
 - Mahla Mirali*

RoundTable & Professional Development Session IV-D UC 430





• Externships in Capacity Development and Extension: Reflect and Review (30 minutes) *Helen Hambly** (45 minutes)

LUNCH/POSTER/INNOVATION EXPO 12:30–13:45. PCH CENTRE

PLENARY II / INVITED PRESENTATION 13:45–15:30 PCH CENTRE

Digitalization and Artificial Intelligence in Agri-food Advisory, Extension and Education: Lessons Learned and Ethical Considerations

Facilitator: Ataharul Chowdhury

Greetings: The Honourable Lisa Thompson, MPP, Ontario Minister of Rural Affairs

Panelists

Prof Klerkx Laurens, University of Talca, Chile, and Wageningen University

Dr Elsa Vasseur, McGill University

Mohamad Yaghi, Vice President of Innovation Hub and Agexpert at Farm Credit Canada

BREAK/ PCH 15:30 – 15:55

PARALLEL (ABSTRACT) SESSION V 16:00 – 17:30

Abstract Session V-A

PCH SOUTH

Living Labs and Innovation Systems

- Agroecosystem Living Labs: Participant Experiences and Innovation Dynamics in Canada
 - Madeleine Arseneau*; Ann Levesque; Margaret Bancerz; Chris McPhee; Albana Berberi; Caroline Thivierge
- Understanding Collaboration Among Stakeholders in the Newfoundland and Labrador Living Lab Project as a Transdisciplinary Approach Bethel Chukwukere*; Emily Doyle; Kelly Vodden
- Advancing Dairy Extension: A Digital Living Laboratory Approach to Knowledge Mobilization in the Canadian Dairy Sector Steven Roche*
- Building Knowledge and Innovation Systems in Ukraine: Critical Reflections from Practice [ONLINE]
 Sarah Cardey*

Abstract Session V-B

LA PIT





Food Security and Systems

- Impact of Climate Resilient Agricultural Practices on Food Security for Small-Scale Farmers in High Barind Tract of Bangladesh Mohammad Anamul Haque*; Md. Golam Azam; Md. Masud; Doel Rose Mary Kha; Kakan Barua
- Food Security Status of Landless Farmers in the Char Areas of Northern Bangladesh *Md. Aminur Rahman; Mohammad Anamul Haque*; Md Abdul Mannan*

Abstract Session V-C PCH NORTH

Extension Models and Policies

- Global Perspectives on Public-Private Collaborations in Agricultural Extension Lauren Benoit*
- Stakeholder Perceptions of Pluralistic Extension and Advisory System in Ontario *Khondokar Kabir**; *Ataharul Chowdhury*
- Agricultural Extension Systems in a Crossroad: Structural Differences, Implications, and Future Pathways in Canada and the United States Khondokar Kabir*; Ataharul Chowdhury
- The Quebec Model of Agricultural Extension: A Publicly Led and Regionally Driven Approach through the Programme Services-Conseils Helen Jensen*; Marie-Claude Lapierre

Abstract Session V-D PCH CENTRE

Approaches, Theories, and Evaluation

- Integrating Community-Engaged Learning (CEL) into Extension Program Development: Bridging Theory with Practice Nesma Osman*
- Rourke's General Farm Practice Change Theory: A Pull Approach David Rourke*
- Participatory Action Research as a KTT Tool: Early Reflections Derva Tarhan*
- Developing an Evaluation Framework to Assess the Effectiveness of Extension Programs

Uvasara Dissanayake*; Amith Wimalarathna; Kumudu Kopiyawattage

Abstract Session V-E UC 430

Institutions, Advisors, and Assessment

- The Role of Professional Advisors in Slowing or Preventing Development of Future Farmers in Canada: What if We're Part of the Problem?
 Patti Durand*
- Assessment of agri-environmental extension services in Canada for Agriculture and Agrifood Canada Kristelle Audet*
- Facilitating Change on the Agricultural Landscape through a Communities of Practice Extension Model





Dorthea Gregoire*

Abstract Session V-F UC 441

Education, Learning, and Youth Engagement

- Innovative Pathways to Biotechnology Careers: Youth Engagement Through 4-H Clubs and Interactive Games [ONLINE]

 Stacey Stearns*; Jennifer Cushman; Sharon Gray; Xiuchun "Cindy" Tian; Cristina Connolly
- Encouraging Knowledge Diffusion through the Peer Group Learning Model Natasha Wilkie*; Adriane Good; Alexis DeCorby; Kathy Larson; Fonda Froats
- Doing it Better! Practitioner Insights to Enhance KTT for Private Water Wells Negin Molaei; Sheri Longboat*; Hugh Simpson*

BUSINESS MEETING DINNER / WHAT'S NEXT FOR CAREE?

18:00-20:30

Science Complex Atrium
Facilitator: Ataharul Chowdhury

Deb Stark, The Board of Governors, University of Guelph (incoming chair) **Dr. John Cranfield**, Dean, Ontario Agricultural College

Day 3: Friday, October 31

BREAKFAST: 8.00 – 9.00 (PCH)

PARALLEL (ABSTRACT) SESSION VI 09:00-10:30

Abstract Session VI-A PCH SOUTH

Entrepreneurship and Barriers in Agri-Development

- Exploring Rural Youth Aspirations and Life-Courses in Colombia Margarit Fontecha*; Silvia Sarapura-Escobar [ONLINE]
- Unravelling Farmer Preferences for Contract Design Attributes in Ghana's Agricultural Sector: A Discrete Choice Experiment Approach Dominic Boateng-Gyambiby*; Sabine Liebenehm; Emmanuel Alirah Weyori
- The Institutionalization of Farmer Field Schools in Latin America Silvia Sarapura Escobar*
- Participatory Systems Mapping. Drivers and Barriers identification in adopting BMP for potato producers in Southern Ontario using Gephi Visual Paul Benalcazar*





Abstract Session VI-B PCH NORTH

Rural Development and Innovation

- Participatory Evaluation of Ecosystem Transformation: Lessons For Rural Advisory and Extension Services
 - Elin Gwyn; Ricardo Ramirez*
- Impact of the Implementation of Best Practices from the Local Agricultural Innovation Project (PIAL) in Pinar del Río, Cuba Yuliany Pacheco*
- Adding More Plant-Forward Dishes to Menus: Findings from a Survey of Post-Secondary Campus Food Services Across Canada Sunghwan Yi*
- Exploring the Possibilities of Extension to Advance Research Use: Lessons from Virginia, USA [ONLINE]
 - Lia Kelinsky-Jones*; Christina Galardi; Sarah Baughman
- Navigating Change: Understanding Transformations in Rural Economic Development Knowledge Translation and Transfer Ryan Gibson*; Taylor Wilson; Jayden Cote

Abstract Session VI-C UC 430

Animal Welfare, Livestock, and Sustainability

- Goat and Sheep Farmers' Stress During the COVID-19 Dr. Suzanna Windon*; Carolyn Henzi
- What is the Impact of Economic Institutions in the New Zealand Pastoral Farming Sector?
 - Angela McFetridge*; Hamish Gow; Robyn Dynes
- Measure it and they will come: Using Rising Plate Meters to Improve Grazing Management in Ontario pastures Caroline Reisiger*; Christine O'Reilly; Kim Schneider

Abstract Session VI-D UC 441

Sustainable Development and Ecosystems

- Climate Justice as a Pathway to Sustainable Development: A Content Analysis Review Vahid Karimi*, Esmail Karamidehkordi, Homayon Farhadian, Masoud Bijan
- Ecosystem Modeling of Kaptai Lake, Rangamati: A Mass-Balance Approach Using the Ecopath Model [ONLINE]
 - Keya Chakma*; Mohammed Shahidul Alam
- Study of Adaption Methods Climate Change through Localization of Resilience among Farmers (Case Study: Village of Markazi Province) [ONLINE]

 Maryam Moghaddasi*; Arefeh Abbasifard

BREAK/ PCH 10:30 - 11:00





PLENARY III/ CLOSING SESSION 11:00–12:30

PCH CENTRE

Closing & Plenary III

Dr. John Cranfield, Dean, Ontario Agricultural College Facilitator: Ataharul Chowdhury & Rebeca Lee Panelists

The Honourable Robert Black, P. Ag. (Hon), Senator for Ontario Keith Currie, President, Canadian Federation of Agriculture Brent Preston, President, Farmers for Climate Solutions

POST CONFERENCE NETWORKING (OPTIONAL/ NEED REGISTRATION) 14:00–16:00 PCH CENTRE

Facilitator: Khondokar Humayun Kabir & Ataharul Chowdhury