



2022 ESAC ANNUAL CONFERENCE SESSION SCHEDULE

2022 Annual Conference Keynote Speakers

Sandra Schillo, Inclusive Innovation Research Cluster Lead, Institute for Science, Society and Policy, University of Ottawa (11:30 a.m. to 1:00 p.m. ET, May 18)

Zoe Todd, Associate Professor, Carleton University (11:30 a.m. to 1:00 p.m. ET, May 19)

Noel Keough, Associate Professor Emeritus, Co-founder of Sustainable Calgary Society, University of Calgary (11:30 a.m. to 1:00 p.m. ET, May 20)

SESSION 1: RENEWABLE ENERGY AND ECONOMY

Wednesday May 18, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Joanne Moyer

ESAC Room Host: Alice Miao

- ☐ **Pejman Bahramian:** Integration of Wind Power into an Electricity System Using Pumped-Storage: Economic Challenges and Stakeholder Impacts
- ☐ **Md Idris Ali:** The Role of Energy Consumption on Economic Growth in Canada: Do Trade Openness and ICT Development Matter?
- ☐ **Md Monirul Islam:** The Effects of Renewable and Fossil Fuels Energy Consumption on Economic Growth in Canada: Do Foreign Direct Investment and Financial Development Matter?
- ☐ **Dylan Gruspier:** Blending Sustainability and Affordability: Analyzing the Neoliberal, Individualist, and Communal Approaches to a Sustainable Energy Transition

SESSION 2: WASTE MANAGEMENT AND ECOLOGICAL FOOTPRINT

Wednesday May 18, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Anna Soer

ESAC Room Host: Miho Lowan-Trudeau

- ☐ **Haley Everitt:** Using a Randomized Controlled Trial to Evaluate the Long-Term Effectiveness of a Household Food Waste Reduction Intervention During the COVID-19 Pandemic
- ☐ **Daniela Palma:** Incentivizing Sustainable Coffee Cup Culture in Toronto
- ☐ **Katie Kish:** Community Footprint Calculator
- ☐ **Eric Miller:** The 2022 Ecological Footprint and Biocapacity Accounts
- ☐ **Anderson Assuah:** Understanding Solid Waste Management Challenges in First Nations from the Perspective of Solid Waste Managers

SESSION 3: CONSERVATION, NATURAL DISASTERS PREPAREDNESS AND RESPONSE

Wednesday May 18, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Georgette Matthews

ESAC Room Host: Kira Cooper

- ☐ **Melissa Heppner:** Ranching for Conservation
- ☐ **Forrest Hisey:** Bison Restoration as Reconciliation: Values and Barriers Towards Bison Conservation on The Great Plains
- ☐ **Michael Hosken:** Rising Tides: Identifying the Canadian Army's Personnel Competencies for Domestic Flood Response Operations (click [here](#) for additional info)
- ☐ **Meredith Greig:** Promoting Environmental Justice and Social Justice: A Call For Canadian Social Workers to Embrace Green Social Work and Environmental Sustainability

SESSION 4: ENVIRONMENTAL POLITICS AND ECONOMICS

Wednesday May 18, 2022 | 4:00 p.m. to 5:30 p.m. ET

Chair: David McRobert

ESAC Room Host: Nargiza Chorieva

- ☐ **Andrew Heffernan:** Green Global Policy Assemblages: The Challenges and Opportunities of Climate Change for Community-Based Natural Resource Management
- ☐ **Anders Hayden:** Is a Wellbeing Economy a Post-Growth Economy?
- ☐ **Peri Dworatzek:** Collectively Combating Climate Change: Successful Aspects from the Montreal Protocol for Future International Legal Agreements
- ☐ **Lorelei Hanson:** Destablizing Resilience through Intersectoral and Intersectional Community Economic Development
- ☐ **Naomi Wellington:** The Law of the Sea in Outer Space Governance

SESSION 5: URBAN PLANNING AND BUILDING RETROFITS

Wednesday May 18, 2022 | 4:00 p.m. to 5:30 p.m. ET

Chair: Simon Appolloni

ESAC Room Host: Haley Everitt

- ☐ **Aidi Yu:** Urban Growth Boundary and Housing Affordability: Theory and Evidence from the Southern Ontario Greenbelt
- ☐ **Hotaka Kobori:** Covid-19 Pandemic Impacts on Preference for Urban Green Space and Green Equity
- ☐ **Shabnam Edalat Nia:** Building Energy Retrofit Strategies in Community Housing Canada
- ☐ **Laura Tozer:** Urban Just Transitions: Catalyzing Deep Decarbonization Retrofits to Address Energy Poverty
- ☐ **John Botti:** Bringing Residential into Agricultural Space: Transitioning to Resilient and Sustainable Food Systems in Community Planning

SESSION 6: ENVIRONMENTAL IMPACTS AND COMMUNITY RESPONSE

Wednesday May 18, 2022 | 4:00 p.m. to 5:30 p.m. ET

Chair: Michael Hosken

ESAC Room Host: Raed Abu Hayyaneh

- ☐ **Mehran Ghavami:** Harmful Algal Blooms (Habs) in Prairie Lakes: Response Management Planning and Risk Communications
- ☐ **Balikisu Osman:** An Exploratory Study of Climate and Food Insecurity Risks in Northern Ghana
- ☐ **Liette Vasseur:** Rethinking Our Connection to Nature for Community Transformation
- ☐ **Laurence Ammann-Lanthier:** Alternative Food Practices for the Anthropocene: Listening to the Voices of Young Adults in Western Canada

SESSION 7: INDIGENOUS ENVIRONMENTALISM

Thursday May 19, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Anderson Assuah (from ESAC)

- ☐ **Danielle Spence:** Disparities in Economic Values for Nature-Based Activities in Canada
- ☐ **Hannah Skelding:** Gender and The Resource Curse: Early Albertan Coal Society
- ☐ **Sara Chitsaz:** Fort Nelson First Nation-Owned Tu Deh-Kah Geothermal Project: A Case Study of Community Perceptions & Support

SESSION 8: NATURE, VISUAL ARTS, AND CULTURE

Thursday May 19, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Ioana Cotocea (from ESAC)

- ☐ **Miho Lowan-Trudeau:** Semiotic Examination of Urban Green Space Interpretive Signage in Calgary, Alberta (click [here](#) for additional info)
- ☐ **Laurence Butet-Roch:** Environmental Futures: On Becoming Visual Activists
- ☐ **Irene Sywenky:** Documentary Ecofilm as Resistance in Post-Socialist Democracies
- ☐ **Caroline Abbott:** “But Being a Woman Facing the Most Desperate Odds”: Wolf Killing, Gender Heroism, and Canadian Mythologies in North America Print Media (1880-1910)

SPECIAL SESSION: LES ÉTUDES ENVIRONNEMENTALES EN FRANÇAIS (ENVIRONMENTAL STUDIES IN FRENCH)

Thursday May 19, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Christine Beaudoin (from ESAC)

- ☐ **Anna Soer:** Application des principes de territorialité et de personnalité : gouvernance et indépendance au Nunavut et au Groenland
- ☐ **Stéphanie Collin:** La crise du verglas de 2017 dans la Péninsule acadienne au Nouveau-Brunswick : soutien social, capital culturel et capital économique
- ☐ **Gabriella Santini:** Vivre avec les lions : Une exploration des relations pasteurs-lions dans les espaces de conservation (Maasai Mara, Kenya)

□ **Daphne Esquivel-Sada:** Enquête sur la construction des nouvelles technologies de génie génétique comme outils écologiques, ou la biodiversité à l'ère de l'humain

SESSION 9: REGIONAL CLIMATE POLICIES

Thursday May 19, 2022 | 4:00 p.m. to 5:30 p.m. ET

Chair: Mahatab Uddin (from ESAC)

□ **Tess Wittmann:** Localizing the Green New Deal

□ **Majid Hashemi:** How Do Credits from Selling the Excess Generation of Solar Panels Affect the Residential Electricity Consumption Patterns? Case of Ontario's Net-Metering Program

□ **David McRobert:** What a Long, Strange Trip It's Been: Evaluating the Modernization of Ontario's Environmental Assessment Act (EAA) and Proposed Changes to the EA Program: The History of the EA Program, Recent Amendments to the EAA, and Next Steps

SESSION 10: NATURAL RESOURCES EXPLOITATION AND MANAGEMENT

Thursday May 19, 2022 | 4:00 p.m. to 5:30 p.m. ET

Chair: Anderson Assuah (from ESAC)

□ **Eve McLeod Norberg:** A Sustainability Assessment Framework to Assess Contributions to Lasting Well-Being from Rare Earth Element Mining in Canada

□ **Choyon Kumar Saha:** Phase-Out or Lock-In Fossil Fuels? A Research Agenda to Resolve Least Developed Countries' Burning Dilemma

□ **Andrew Howe:** The Environmental Impacts of Resource Extraction for Renewable and Nuclear Energy Technologies

SESSION 11: ECO-ANXIETY AND EDUCATION

Thursday May 19, 2022 | 4:00 p.m. to 5:30 p.m. ET

Chair: Caroline Abbott

ESAC Room Host: Lauren Judge

□ **Joanne Moyer:** Cultivating Hope in the University Classroom

□ **Raed Abu Hayyaneh:** Environmental Educational Programs at Nature Reserves

□ **Simon Appolloni:** Exploring Pedagogies of Hope and Resilience

□ **Madison Cooper:** Climate Change and Mental Resilience: How Climate Change Can Promote Wellbeing and Internal Activism Among Young People

SESSION 12: ENVIRONMENTAL JUSTICE AND LAWS

Friday May 20, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Naomi Wellington

ESAC Room Host: Anderson Assuah

□ **Mahatab Uddin:** International Law and Protection of Traditional Knowledge

□ **Julie Elizabeth Boyd:** Would Giving Nature Rights be a Solution to Remedy Environmental Injustice or is it Just Another Anthropocentric Perception of the Environment?

□ **Georgette Matthews:** Transitions to Rights for the Ocean: Decolonization Approaches to Marine Biodiversity and the BBNJ Treaty (2016-2020)

□ **Bruce Muir:** Consequences and Implications of BC's Failed Cumulative Effects Framework for Indigenous Peoples

SESSION 13: ENVIRONMENTAL SCIENCE

Friday May 20, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Charles Cadieux (from ESAC)

□ **Holly Wilts:** Integrating Shrub Willow into Potato Cropping Landscapes to Fulfill Concurrent Environmental and Economic Objectives

□ **Prama Roy:** Toxicity of Petroleum Hydrocarbon Contamination on Native Boreal Plants

□ **Meghan Ostrum:** Impacts of Nanoplastics and Microplastics on Mycorrhizal Networks in a Terrestrial Environment

SESSION 14: CLIMATE ENGAGEMENT, ACTIVISM, AND DENIALISM

Friday May 20, 2022 | 1:30 p.m. to 3:00 p.m. ET

Chair: Andrew Heffernan (from ESAC)

□ **Emilia Ganslandt:** Change is Coming, Whether You Like It or Not: Exploring the Young Climate Movement in Canada

□ **Jacob McLean:** Extractive Populism in Canada: A Case Study of the Yellow Vests

□ **Claire Brandenburg:** Climate Change, Transformative Learning, and Social Action: Exploring Adult Climate Activism in Manitoba, Canada

□ **Sara Nekounamghadirli:** Integrating Principles of Public Engagement within Energy Transition Policy