



# 2021 ESAC ANNUAL CONFERENCE SESSION SCHEDULE

## 2021 Annual Conference Keynote Speakers

- ❖ **Tara Houska**, Tribal Attorney and Land Defender, Couchiching First Nation (9:30 a.m. to 11:00 a.m. MT, June 2)
- ❖ **Angele Alook**, Assistant Professor, School of Gender, Sexuality and Women's Studies, York University (9:30 a.m. to 11:00 a.m. MT, June 3)
- ❖ **Brenda Parlee**, Professor / Canada Research Chair, Department of Resource Economics and Environmental Sociology, University of Alberta (9:30 a.m. to 11:00 a.m. MT, June 4)

## SESSION 1: (SOCIO)ECOLOGIES OF THE NORTH

Wednesday June 2, 2021 | 11:30 a.m. to 1:00 p.m. MT

Chair: Julie Elizabeth Boyd

ESAC Room Host: Ryan Katz-Rosene

- Anna Soer**: Arctic Wildlife: Icons, Tools and Arguments in Regional Governance
- Saskia de Wildt**: Voices of Thunder: Accounts of Polar Bear Quota Regulation Impacts in Gjoa Haven, Nunavut
- Stephen J. Tiller**: Climate Change and the Arctic Transportation Routes: A Canadian Quadruple Bottom-Line Perspective
- Clarissa Huffman**: Sustainable Community Development in Northern Communities: Applications for Affordable Housing in the Yukon

## SESSION 2: ENVIRONMENTAL POLICY & GOVERNANCE

Wednesday June 2, 2021 | 11:30 a.m. to 1:00 p.m. MT

Chair: Jerico Fiestas Flores

ESAC Room Host: Nargiza Chorieva

- Brent Swallow**: Forest Governance as a Reflection of Forest Governance: Institutional Change and Endurance in Finland and Canada
- Carly Madge**: Evaluating the Social Learning Processes Involved in Developing Wildfire Risk Reduction Strategies in the Prince Albert Forest Management Area
- Isaac Thornley**: Settler Canada's Trans Mountain Pipe-Dreams: Fantasy and Disavowal in Pipeline Politics
- Kelsey Copes-Gerbitz**: Transforming Fire Governance in British Columbia, Canada: Reigniting Local to Landscape Approaches

## SESSION 3: PROGRESS IN COMMUNITY RESILIENCE

Wednesday June 2, 2021 | 11:30 a.m. to 1:00 p.m. MT

Chair: Garrett Richards (from ESAC)

ESAC Room Host: Association Assistant

- Leslie King:** Northern Knowledge for Resilience, Sustainable Environments and Adaptation in Coastal Communities
- M. Salim Uddin:** Disasters Threaten Livelihoods, and People Cope, Adapt and Make Transformational Changes: Community Resilience and Livelihoods Reconstruction in Coastal Communities of Bangladesh
- Roza Tchoukaleyska:** Building Connections, Sustaining Community: Experiments with Social Enterprise on the Great Northern Peninsula of Newfoundland
- Sydney Kuppenbender:** Interspecies Methods in Natural Resource Management: Relational Practices in Vulnerable Communities
- Michael Kvern:** Community Energy Planning for Increased Resilience in Churchill, Manitoba

## SESSION 4: GREEN INFRASTRUCTURES AND SUSTAINABLE SOLUTIONS

Wednesday June 2, 2021 | 2:00 p.m. to 3:30 p.m. MT

Chair: Garrett Richards (from ESAC)

- Chris Patterson:** Advancing Controlled Environment Agriculture (CEA) through 3D Printing Construction
- Maryam Hajizarghani:** Calgary's Industrial and Post-Industrial Landscapes as Green Infrastructures
- Aja Rowden:** Life Cycle Assessment of a Glass Beer Bottle in Ontario, Canada
- Anderson Assuah:** A Learning-Oriented Approach to Solid Waste Management in First Nations in Canada

## SESSION 5: CLIMATE CHANGE & ADAPTATION

Wednesday June 2, 2021 | 2:00 p.m. to 3:30 p.m. MT

Chair: M. Salim Uddin

ESAC Room Host: Ryan Katz-Rosene

- Andrew Heffernan:** Green Global Assemblages: The Evolution of CBNRM in Response to Climate Change in Namibia
- Austine Stastny:** Characterizing the Effects of Urban Street Trees on the Diurnal Cycle of Road Surface Temperatures
- Mike Bagamery:** The Social Cost of Carbon and Environmental Impact Assessments in Canada
- Jenna Ritch:** Preparing Cities for Climate Emergency: A Triage-Based Policy Framework for Urgent & Equitable Crisis Response
- Ashenafi Yohannes Battamo:** Assessing Socio-Ecological Resilience along the China Belt and Road Initiative

## SESSION 6: ENVIRONMENTAL PSYCHOLOGY & ECO-ENGAGEMENT

Wednesday June 2, 2021 | 2:00 p.m. to 3:30 p.m. MT

**Chair: Kira Jade Cooper (from ESAC)**

- Jenna Ritch:** Psychology, Behaviour and Green Building Performance: A Literature Review
- Lisa Y. Seiler:** Climate Change Attitudes and Fossil Fuel Extraction in Canada
- Beth Grant:** Exploring Photovoice as a Tool to Empower and Manage Mental Health Impacts of Climate Change on Local Youth
- Elizabeth A Williams:** Social Perceptions of Environmentalists
- Peter Graham:** Economics leaks. So, What Next?

**SESSION 7: RECONCILIATION AND ENVIRONMENTAL PROTECTION**

**Thursday June 3, 2021 | 11:30 a.m. to 1:00 p.m. MT**

**Chair: Celeste Digiovanni (from ESAC)                      ESAC Room Host: Association Assistant**

- Amelie Janin or Emma Seward:** Building Reconciliation into Yukon Governance Processes: A Case Study of Water Stewardship
- Dayna Nadine Scott:** The Politics of Refusal on the (New) Extractive Frontier: Critical Minerals in the Ring of Fire
- Yuliya Rashchupkina:** The Just Transition to Energy Justice: Resource Extraction and the On-Going Legacy of Environmental Injustice in the Greening Economy
- Shirley Thompson:** Filming Environmental Injustice: Eight-Years of First Nations Documenting Flood Impacts at Lake St. Martin, Manitoba

**SESSION 8: SUSTAINABLE WATER MANAGEMENT**

**Thursday June 3, 2021 | 11:30 a.m. to 1:00 p.m. MT**

**Chair: Alice Miao (from ESAC)**

- Jillian Booth:** A Holistic Approach to Mapping Priority Sites for Low-Impact Development (LID)
- Samantha Medakovic:** Stream Health and BMI in Urban and Rural Tributaries of the Humber Watershed
- Kate Robb:** Learning from the Neighbours: Opportunities to Strengthen Hydropower Relicensing
- Corinna Dally-Starna:** "Can Canada's First Nation water security be engineered?": Investigating the Role of Project and Engineering Management in Achieving Long-Term Infrastructure Service Delivery

**SPECIAL SESSION: UNDERGRADUATE RESEARCH SHOWCASE**

**Thursday June 3, 2021 | 11:30 a.m. to 1:00 p.m. MT**

**Chair: Brent Swallow    ESAC Room Host: Nargiza Chorieva**

**SPECIAL SESSION: ACHIEVING EQUITY, DIVERSITY, INCLUSION, AND DECOLONIZATION IN ESAC**

**Thursday June 3, 2021 | 1:15 p.m. to 1:45 p.m. MT**



**Chair: Ryan Katz-Rosene (from ESAC)**

## **SESSION 9: COVID-19 & ENVIRONMENTAL STUDIES**

**Thursday June 3, 2021 | 2:00 p.m. to 3:30 p.m. MT**

**Chair: Lisa Y. Seiler**

**ESAC Room Host: Nargiza Chorieva**

- Veronica Zhu:** The Impacts of COVID-19 on the Use of and Experiences of Greenspace, Operationalized as Public Parks
- Zuzanna Dedyk:** Perception of Single-Use Plastic among Baristas and Customers of Specialty Coffee Shops in the Era of the COVID-19 Pandemic
- Haley Everitt:** The quantity and composition of household food waste during the COVID-19 pandemic: A direct measurement study in Canada
- Kira Jade Cooper:** Sustainability Transformations through Mindfulness Nurturing during COVID-19
- Raymond Belmonte:** Examining the Effects of COVID-19 on the Pro-Environmental Behaviours of Metro Vancouver Households

## **SESSION 10: ENVIRONMENTAL LAW, ETHICS AND DEMOCRACY**

**Thursday June 3, 2021 | 2:00 p.m. to 3:30 p.m. MT**

**Chair: Dee Horne**

**ESAC Room Host: Association Assistant**

- Darielle Talarico:** Bringing Deliberative Practice to Anthropocene Problems
- Kimberley D. Keller:** Why Environmental Policy Doesn't Work: Liberal Ideologies and Exclusionary Discourses
- Mahatab Uddin:** Legal and Ethical Aspects of Deploying Artificial Intelligence for Climate Smart Agriculture: A Global Review
- Julie Elizabeth Boyd:** Bringing the "Wild" Into Environmental Law to Prevent Ecocide

## **SESSION 11: ECOLOGY ACROSS SPECIES: CONSERVATION, KNOWLEDGE, MANAGEMENT**

**Thursday June 3, 2021 | 2:00 p.m. to 3:30 p.m. MT**

**Chair: Lauren Judge (from ESAC)**

- M.J. Barrett:** Methodological Engagements with Animals, Ancestors and Elders
- Samantha Gauthier:** Applying Ecosystem-Based Adaptation to Protect Biodiversity of Avian Species in Coastal Communities in the Greater Niagara Region
- Viktoria F. Hinz:** Innovations in Multispecies Methods: What Animal Communicators Do and Experience When They Communicate with Animals
- Celeste Digiovanni:** Consulted to Death: Personal Stress as a Major Barrier to Environmental Co-Management

## SESSION 12: ADVANCES IN ENVIRONMENTAL (IN)JUSTICE

Friday June 4, 2021 | 11:30 a.m. to 1:00 p.m. MT

Chair: Emma Seward

ESAC Room Host: Association Assistant

- Badia Nehme:** Applying Sustainable Transitional Justice: A Case Study of the 2015 Boat Harbour Act
- Keshab Thapa:** When a Post-Colonial Nation Continues the Legacy of Colonialism: Cartographic Aggression Leading to Unilateral Resource Extraction in Limpiadhura-Kalapani-Lipulekh Area in Nepal
- Rohit Jindal:** Fairness Matters in Environmental Contracting: Experimental Evidence from India

## SESSION 13: ENVIRONMENTAL COMMUNICATION & LITERATURE

Friday June 4, 2021 | 11:30 a.m. to 1:00 p.m. MT

Chair: Alice Miao (from ESAC)

- Dee Horne:** Northern Reflections on Climate Changes and Environmental Injustices during a Pandemic
- Kayla Dowd:** The Life and Plants of Lady Frances Simpson
- Misty Matthews-Roper:** More than Facts: Reading Climate Fiction
- Kostyn Petrunick:** A Model for Unsettling Thought in the Anthropocene: Dionne Brand the Blue Clerk: Ars Poetica in 59 Versos
- Caroline Corinne Evans Abbott:** "The Purity of an Untarnishable World": the 'Periodical' Exportation of Masculinity and the Gendering of Canada, Northern Frontier

## SESSION 14: FOOD SYSTEMS AND THE ENVIRONMENT

Friday June 4, 2021 | 11:30 a.m. to 1:00 p.m. MT

Chair: Clarissa Huffman

ESAC Room Host: Haley Everitt

- Mohamed Lahbib Ben Kalifa:** Moving Towards Sustainable Organic Wine Production in the Niagara Region
- Miho Lowan-Trudeau:** Food for Thought: Comparing Findings within Calgary, Affordable Housing, Transportation, and Food Nexus
- Samuel Ofori Duah:** Drivers of At-Home Food Composting Practices in Haliburton Ontario
- Pulkit Garg:** Reviewing the Options for the Agricultural Sector to Adapt to Climate Change: Case study of the Niagara Region, ON
- Jerico Fiestas Flores:** Are there other winners? The Effects of Economic Growth on Farm Animals
- Samantha Young:** Food Sovereignty: What Can Be Done on the Community Level in Northern and Rural Regions?

## SESSION 15: TRANSFORMATIONS IN ENVIRONMENTAL KNOWLEDGE

Friday June 4, 2021 | 2:00 p.m. to 3:30 p.m. MT

Chair: Austine Stastny

ESAC Room Host: Raed Abu Hayyaneh

- **Alanna Robbins:** Mobilizing Indigenous Knowledge in Environmental Monitoring Practices in Northern Ontario
- **Tamy Kobashikawa:** Analyzing the Soka Value Creation Approach in Environmental Education
- **Angeline Letourneau:** Intersectional Impacts: Considering the Role and Potential for Intersectionality Theory in Impact Assessment Research and Praxis
- **Lorelei Hanson:** Community Energy in Alberta: Utilising Three Horizons Thinking to Identify Seeds of Change

## SESSION 16: SUSTAINABLE ENERGY & DECARBONIZATION

**Friday June 4, 2021 | 2:00 p.m. to 3:30 p.m. MT**

**Chair: Samantha Medakovic**

**ESAC Room Host: Association Assistant**

- **Susan O'Donnell:** Nuclear Fantasies in New Brunswick
- **Ellen Helker-Nygren:** A Just and Sustainable Energy Transition: The Socio-Spatial Implications of Ecomodernist and Degrowth Energy Futures
- **Giulia Ramazzini Salgado Cricenti:** Framework for Assessing the Effectiveness of National Climate Mitigation Policy from a Sustainability and Just Transition Perspective. A Case Study of Coal Phase-Out Policy in Canada
- **Brian Ceh & Md. Idris Ali:** Energy Consumption-Economic Growth Nexus Revisited: An Empirical Evidence from Canada

## SESSION 17: INTERDISCIPLINARY APPROACHES IN ENVIRONMENTAL STUDIES

**Friday June 4, 2021 | 2:00 p.m. to 3:30 p.m. MT**

**Chair: Anderson Assuah**

**ESAC Room Host: Garrett Richards**

- **Garrett Richards:** Experiential Learning and Transdisciplinary Education for Sustainability
- **Rafaela F. Gutierrez:** Creating a Waste Free Tomorrow: Assessing Waste Literacy and Behaviour Change in Grade 5 Students
- **Rozzet Jurdi-Hage:** Saskatchewan University Students' Environmental Concerns Revisited: New Evidence from a Follow-Up Survey
- **EnQi Teo:** Putting Sustainability to Work: the Canadian Environmental Sustainability Labor Market