

Krista Tremblett

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RESEARCH INTERESTS

Biodiversity conservation and stewardship, community-based monitoring, knowledge mobilization, social learning

EDUCATION

Degrees

PhD, Environmental Sociology

University of Alberta, Edmonton, Alberta (2020 – present)

Supervisor: Dr. Brenda Parlee

Master of Environmental Design, Environmental Science

University of Calgary, Calgary, Alberta, 2005

Thesis Title: An Evaluation of the Biosphere Reserve Model as a Mechanism to Implement Ecosystem-Based Management: Using the Waterton Biosphere Reserve as a Case Study

Supervisor: Dr. Michael Quinn

Bachelor of Science, Agriculture

Dalhousie University, Halifax, Nova Scotia, 1999

Certificates

Certificate in Adult and Continuing Education

University of Alberta, Faculty of Extension, Edmonton, Alberta, 2011

RELEVANT PROFESSIONAL EXPERIENCE

Senior Manager, Programs and Practice

Alberta Environment and Parks, Government of Alberta, 2018/10 – PRESENT

Provide leadership and direction to a team of professional and technical staff involved in developing, delivering, and evaluating community-based monitoring and associated knowledge mobilization initiatives in Alberta.

Stakeholder and Community Relations Lead

Alberta Environmental Monitoring Evaluation and Reporting Agency, 2013/04 – 2016/05
Alberta Environment and Parks, Government of Alberta, 2016/06 – 2018/09

- Provided oversight and guidance on design and implementation of an environmental monitoring training pilot for Indigenous communities in the oil sands region.
- Initiated community-based fish health project in the oil sands region in collaboration with Cold Lake First Nations and researchers from the University of Saskatchewan.
- Responsible for the design and delivery of bi-annual Oil Sands Monitoring program multi-stakeholder symposia. Worked with program technical leads to translate stakeholder interests into monitoring questions.
- Directed and contributed to foundational work to develop citizen science guiding principles for Alberta.

Program Coordinator, Education and Outreach Unit

Alberta Environment and Parks, Government of Alberta, 2007/04 – 2013/03

- Facilitated a multi-agency effort to design, deliver and evaluate an education program for private water well owners in Alberta. Since 2008, the Working Well program has provided information and resources to more than 8,100 people in 194 communities across Alberta in support of water well management and groundwater protection.
- Led design of education and outreach strategies and tools to support public dialogue sessions across the province on four policy topics: water use/management, lake health, hydraulic fracturing and drinking water.
- Developed a stakeholder engagement strategy for an ecosystem services pilot project that examined the value of a wetland in the Shepard Slough area of east Calgary.

Research Intern, Alberta Environmentally Sustainable Agriculture Program

Alberta Agriculture, Government of Alberta, 2006/09 – 2007/03

- Conducted primary and secondary research on the barriers and benefits to adoption of sustainable practices by cow-calf producers.

Research Assistant

Pembina Institute, 2003/09 – 2005/06

- Provided research support to projects related to sustainable energy solutions and corporate environmental responsibility.

Summer Student

Miistakis Institute, 2002

- Assisted with gathering information for a study examining rural residential expansion in southwestern Alberta and historical trends of residential land use change.

PUBLICATIONS AND PRESENTATIONS

Published Reports

Hughes, C., **Tremblett, K.**, Kummer, J., Lee, T. S., & Duke, D. (2022). How Can We Do Citizen Science Better? A Case Study Evaluating Grizzly Bear Citizen Science Using Principles of Good Practice in Alberta, Canada. *Animals*, 12(9), 1068.

Kummer, J., de Koninck, K., Wang, Z., Smith-Fargey, K., **Tremblett, K.**, & Raygorodetsky, G. (2020). State of Indigenous Community-Based Monitoring (2015-2018) in Alberta. Government of Alberta, Ministry of Environment and Parks. <https://open.alberta.ca/publications/state-of-indigenous-community-based-monitoring-in-alberta-2015-2018>

Wang, Z., & **Tremblett, K.** (2017). *Environmental monitoring technician training for First Nations and Métis communities in oil sands regions, Alberta: Program report 2016-2017 pilot year*. Alberta Environment and Parks. <https://open.alberta.ca/dataset/9781460135099>

Wang, Z., Smith-Fargey, K., & **Tremblett, K.** (2016). *Situational analysis: Insights into Aboriginal community based monitoring initiatives in the oil sands region*. Alberta Environmental Monitoring, Evaluation and Reporting Agency. http://aemera.org/wp-content/uploads/2016/01/Factsheet_Situational-Analysis1.pdf

Hughes, C., Brown, G., Habulin, C., Kerr, G., & **Tremblett, K.** (2011). *Ecosystem services approach pilot on wetlands: An exploration of approaches to understand cultural services and benefits to ecosystem service assessments*. Alberta Environment. <http://www.assembly.ab.ca/lao/library/egovdocs/2011/alesr/9781460102923.pdf>.

Raynolds, M., **Tremblett, K.**, & Schmidt, R. (2005). *Long-term strategic thinking placing the Pembina Institute in divergent scenarios of the world for 2025*. Pembina Institute. https://www.pembina.org/reports/Final_Scenarios_Doc_May_25_05.pdf

Tremblett, K., & Francis, E. *One Tonne Corporate Challenge: Overview, evaluation and lessons learned*. (2005). Pembina Institute. https://www.pembina.org/reports/OTCC_Report-Public_June_2_05-cover.pdf

Jamison, A., Raynolds, M., Holroyd, P., Veldman, E., & **Tremblett, K.** (2005). *Defining corporate environmental responsibility: Canadian ENGO perspectives*. Pembina Institute. https://www.pembina.org/reports/CER_Final_print.pdf.

Unpublished

Bannister, K., Dersch, A., Dertien-Loubert, K., de Koninck, V., Kummer, J., Maclean, B., Nicholls, N., Schaldemose, L., Smith-Fargey, K., & **Tremblett, K.** (2022). Ethical Guidelines for Indigenous Community-Based Monitoring in the Oil Sands Monitoring Program. Oil Sand Monitoring Program.

Tremblett, K. S. (2004). *Evaluation of the biosphere reserve model as a mechanism to implement ecosystem-based management: using the Waterton biosphere reserve as a case study* (Unpublished master's thesis). University of Calgary, Calgary, AB. doi:10.11575/PRISM/17554

Invited Presentations

Advancing the use of citizen science in Alberta (co-presenter: Danah Duke). Office of the Chief Scientist Science Seminar Series, Edmonton, Alberta. June 11th, 2019.

Mobilizing Indigenous Knowledge for climate change adaptation: a case study of participatory approaches in the Indigenous Climate Change Observation Network (co-presenter: Marley Kozak). Office of the Chief Scientist Science Seminar Series, Edmonton, Alberta. December 10th, 2019.

Community based environmental monitoring in northern Alberta (co-presenter: Dr. Gleb Raygorodetsky). Wood Buffalo Environmental Association Traditional Knowledge Committee Community Gathering, Anzac, Alberta. March 27th, 2018.

Public participation in monitoring and science. Indigenous Wisdom Advisory Panel meeting, Fort McMurray, Alberta. May 30th, 2017

Barriers and strategies to accelerate the use of citizen science by government agencies (co-presenter: Danah Duke). Citizen Science Association Conference, Minneapolis, Minnesota. May 18th, 2017

Multiple evidence based approach to community-based monitoring in Alberta. (co-presenter: Dr. Gleb Raygorodetsky). Tracking Change Webinar Series, Edmonton, Alberta. November 3rd, 2017.

Monitoring in the oil sands region. Peace Athabasca Delta Ecological Monitoring Program Forum, Fort Chipewyan, Alberta. February 23rd, 2016.

AWARDS AND RECOGNITION

Premier's Public Service Award for [Working Well](#) (2019)
Team award recognizing exceptional work in the areas of service delivery innovation for Albertans.

Graduate Student Scholarship (2003)
Awarded for outstanding academic achievement.

Charles E. and Walton Kendrew Scholarship (2003)
Awarded for academic merit.

Graduate Research Scholarship (2003)
Awarded for academic merit and for encouraging students to develop new knowledge through exploration in research.

Environmental Design Scholarship (2002)
Awarded for academic merit.

Graduate Research Scholarship (2002)
Awarded for academic merit and for encouraging students to develop new knowledge through exploration in research.

CAREER DEVELOPMENT AND TRAINING

Thematic Assessment Report on the Sustainable Use of Wild Species of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (2022)

Contributed a case study to Chapter 4 of the thematic assessment of the sustainable use of wild species of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services.

Participatory Video and Most Significant Change (PV MSC) w/InsightShare Edmonton, Alberta, January 2020

Training on the theory and practice of Participatory Video and Most Significant Change (PV MSC) as an innovative approach to qualitative monitoring and evaluation. Components included: principles of PV MSC; application of PV MSC in different contexts; and, informed consent processes and ethical considerations relating to video production and post production.

Advancing Citizen Science in Alberta: Changing Perspectives, Breaking Barriers workshop Edmonton, Alberta, September 2018*

Forum for knowledge exchange and learning between citizen science experts and practitioners. Topics included: value and benefits of citizen science in understanding environmental change; design and management of credible data; and, place-based citizen science projects in Alberta.
**Led development of agenda, identified speakers, and co-facilitated workshop.*

IPCC Cities and Climate Change Conference Edmonton, Alberta, March 2018*

**Assisted in preparations for two sessions: Village of Hope (pre-conference session) and Multiple Knowledge Systems for Evidence-Based Decision Making: Opportunities and Challenges for Ensuring Resilient Communities (parallel session).*

Professional Facilitator Program w/ICA Associates Edmonton & Calgary, Alberta, 2012-2016

Hands on training to enhance facilitation competencies including planning appropriate group processes and creating and sustaining a participatory environment. Courses taken: Group Facilitation Methods, Art and Science of Participation, and Meetings that Work.

Facilitative Leadership Program w/ICA Associates
Edmonton & Calgary, Alberta, 2012-2016

Hands on training in design and delivery of participatory processes to foster authentic dialogue and collaborative problem solving. Courses included: Organizational Transformation, Human Development and Advanced Facilitation Tools.

Active Engagement: The Practice of Mindful Leadership Practicum w/The Center for
Contemplative Dialogue
Edmonton, Alberta, 2011-2013

Training to develop and deepen the ability to communicate and work with organizations, leaders and individuals, to respond more effectively to the obstacles and challenges they face. Topics included: engaging the collective mind of a group, developing organizational awareness, creating shared understanding, and polarity management.

COMMUNITY SERVICE

Volunteer, Mustard Seed Society, Edmonton, Alberta (2012-2015)

Board Member, Edmonton and Area Land Trust, Edmonton, Alberta (2012-2015)

Volunteer Facilitator, City of Edmonton, Edmonton, Alberta (2012)

Facilitated table discussions with the public on the Buena Vista/Laurier Park Master Plan project and the 112 Avenue Reconstruction Project Concept Plan.

Board Member, Alberta Council for Environmental Education, Canmore Alberta (2011-2012)