



Funded PhD Opportunity. The Arctic Landscape Ecology Lab at the University of Victoria is seeking a PhD student to lead a research project exploring the recovery of tundra ecosystems following disturbance.

The combined effects of climate warming and more frequent disturbance (fire, permafrost thaw, storm surges, quarries, roads, etc.) are driving rapid shifts in tundra vegetation and soils. Ongoing changes have significant implications for habitat quality and a range of ecological processes, but anticipating the rate and nature of long-term recovery is challenging. The overarching goal of this PhD project is to identify the determinants of tundra ecological recovery and develop a predictive framework that will inform decision making and modelling.

The successful applicant will work across scales to develop a suite of research projects likely to involve field studies, experiments, remote sensing, and meta-analysis. Field research in the Arctic Landscape Ecology Lab is staged out of the Western Arctic Research Centre in Inuvik, NWT, but is conducted at sites across the Inuvialuit and Gwich'in Settlement regions in the Northwest Territories and Yukon.

Interested applicants should have an MSc in biology, geography, environmental science, or related field, and previous experience in population and/ or community ecology. Applicants must be self-motivated, have strong communication skills, experience managing multiple tasks, and be willing to travel to the Canadian Arctic for fieldwork. Previous experience in northern environments is an asset, but is not vital. An annual stipend of \$21,000 is guaranteed for four years and additional support for field and conference travel is available for the duration of the project.

The Arctic Landscape Ecology Lab (<http://ale.uvic.ca>) is a dynamic group of researchers exploring the causes and consequences of northern ecological change. We are strongly committed to fostering diversity as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to further diversification including, but not limited to women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation or gender identity and expressions.

To apply, please send a cover letter describing your qualifications and interest in this project, a complete CV, and unofficial transcripts to Dr. Trevor Lantz (tlantz@uvic.ca). Application review will begin on November, 1 2021, but submissions will be accepted until a suitable candidate is found. The anticipated start date for this position is January or May, 2022.

