

Postdoctoral Fellow, Simon Fraser University Conservation Planning and Cumulative Effects Assessment in British Columbia

We are seeking talented postdoctoral fellows to join a diverse and collaborative team of scientists studying cumulative environmental impacts generated from industrial development in Western Canada, funded through an NSERC Strategic Network, ResNET (nsercresnet.ca). The overarching aim of our “Landscape 5” research team is to leverage new and existing data to identify pathways to minimize development-environment conflicts, and work in collaboration with partners to identify reasonable tradeoffs and improve decision-making. The successful applicant will work with the participating scientists to collate, analyze, and communicate the state of the science regarding cumulative environmental risks associated with resource extraction and energy development, and quantify the tradeoffs among energy, environment, and social values. Primary duties will include: 1) conduct systematic conservation planning analyses using province-wide and Northeastern BC biodiversity and human footprint datasets, 2) advance analytical frameworks for cumulative effects assessment (past, current, future) building on existing expertise from the Landscape 5 team, and 3) providing scientific support and co-organizing meetings and working groups to identify priority needs of end-users of the scientific products and partner organizations.

Details and Minimum Qualifications:

Applicants must hold a Ph.D., with a specialization in environmental science, ecology, or geoinformatics. We seek candidates with a strong research record in quantitative spatial ecology and biodiversity conservation, as well as experience engaging partners outside academia in collaborative planning for environmental decision-making. Ideal qualities include strong quantitative skills in spatial analysis, GIS, and biostatistics; excellent organizational, communication and outreach skills; history of engagement in collaborative research and synthesis efforts; demonstrated success in scientific writing and publication. The successful candidate must be able to work closely and successfully with a wide range of collaborators across several disciplines, and to organize and contribute to scientific synthesis and communication efforts that reach well beyond one’s primary field of expertise. The position is full-time for 1-year, with a salary of \$60,000 per annum (plus benefits and substantial funding for research & travel), with a second year available, contingent on performance. The position, based at Simon Fraser University, also provides the successful applicant with the opportunity to develop research that may extend beyond the current funding period. The ResNET L5 Team is supervised by Dr. Wendy Palen and housed within SFU’s Earth to Ocean Research Group.

To Apply: Applicants should send a brief cover letter, CV, and the names and contact information for 3 references to wpalen@sfu.ca, with the subject line “ResNet L5 Postdoc”. The cover letter should address, 1) relevant research and analytical experience, 2) experience convening or contributing to interdisciplinary working groups, and 3) potential collaborations with the Landscape 5 research team (learn more at: <https://tinyurl.com/vpedyes>). We will review applications on a rolling basis, and will consider candidates until the position is filled.