



Applications are invited for 4-year doctoral fellowship with the University of British Columbia in Vancouver, Canada, Department of Forest Resources Management, Faculty of Forestry in co-supervision with Natural Resources Canada- Canadian Forest Service.

We are seeking a high achieving candidate with training and experience in natural resource economics (preference for forestry, and forest pests and diseases), economic modeling and economic impact analysis. Applicants must have a master's degree in a related field, such as forestry, forest economics, natural resources management, etc.

The project

The world's forests are facing unprecedented threats from invasive alien insects and pathogens that cause significant and irreversible damage to the environment, and threaten Canada's capacity to provide ecosystem services and a long-term fibre supply. The project **bioSAFE** the work of the successful applicant will be part of is addressing this by developing powerful genomic-based tools to detect, identify, and eliminate those threats before they become established. At UBC we are developing a decision support system (DSS) to inform decision makers and stakeholders of the economic and ecologic consequences that a variety of mitigation alternatives will have. Partnering with the Canadian Food Inspection Agency, Natural Resources Canada, Université Laval, and Forest Product Innovations, this project uses provincial and federal data to address the research questions.

The successful applicant's main role will be to gather and analyse data to model the economic impacts of specified pests/pathogens at different spatial scales, different timelines, under different climate change scenarios as well as under various mitigation alternative. The outcome of this work will primarily feed into the decision-support tool for risk assessment to inform invasive forest pests and pathogens mitigation.

What we expect

- Recent completion of a master's degree (no longer than 3 years at the time of application) in forest economics, natural resources with a focus in economics, or other related field(s); or the applicant will have graduated by January 2018;
- Strong analytical skills and experience with economic analyses of forest and/or other land issues (experience in the Canadian context is preferred);
- Experience with the application of economic models to address policy questions;
- Ability to develop economic models and undertake detailed quantitative analyses;
- Excellent written and verbal communications skills. The working language is English and fluency (written/spoken) is expected;
- Ability to work independently and in a team, with team members in different locations

Additionally, applicants are required to meet UBC admission requirements outlined here <http://www.forestry.ubc.ca/students/graduate/programs/doctor-of-philosophy/phd-admission-requirements/>

The expected starting date for this position is **spring 2018** with the candidates PhD program starting September 2018.



What we offer

We offer the successful candidate a 4-year scholarship to pursue excellent research with the University of British Columbia (UBC) in close collaboration with Natural Resources Canada – Canadian Forest Service (NRCan-CFS). The project offers the unique opportunity to work on a large-scale national research project with other project partners, such as Université Laval and the Canadian Food Inspection Agency (CFIA).

The successful applicant will work at UBC one of the top research universities globally, with an international group of young researchers in one of the most modern labs within the faculty, where we give bold thinking a place to develop into ideas that can change the world. The university is located in Vancouver, which is considered to be one of the most desirable places in the world to live in and a beautiful city that provides an incredible background for your research.

How to apply

If you are interested in this opportunity, please email the following in one single PDF file to the contact indicated below. **Deadline for applications to be submitted is January 2nd 2018**, 12am (midnight) Pacific Standard Time (PST).

- (1) A cover letter describing your motivation to apply for this position
- (2) Current CV, including transcripts from all post-secondary institutions you have attended (in official copies are sufficient at this stage),
- (3) A short description that separately and clearly identifies how you possess each of the skills and experiences listed above in the “What we expect” section
- (4) Names and current contact information for three references familiar with your work
- (5) Any additional material you may want to share.

Please direct inquiries and applications by email to:

Ms. Chelsea Nilausen, Economist – Canadian Forest Service Natural Resources Canada

chelsea.nilausen@canada.ca

Please indicate in your application if you are a Canadian citizen or permanent resident of Canada. All qualified persons are encouraged to apply. However, Canadian citizens and permanent residents in Canada will be given priority. UBC hires on the basis of merit and is strongly committed to equity and diversity within its community. We especially welcome applications from members of visible minority groups, women, Aboriginal persons, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to engage productively with diverse communities.

For more details, about the project visit <https://fresh.forestry.ubc.ca/2017/05/about-the-project/>

For details about the working group visit: <https://fresh.forestry.ubc.ca/>