UNIVERSITY OF ALBERTA

– Two MSc Student Opportunities in Global Change Biology –

Applications are invited for MSc or Master of Forestry positions in climate change impact and adaptation research. The successful candidates will work under the primary supervision of Dr. Andreas Hamann (http://ualberta.ca/~ahamann/).

Position Description
Salary: CAN$ 6,000/yr to 24,000/yr plus benefits depending on the program type and qualifications. Start Date: Positions start in September 2018 and September 2019.
Requirements: Applicants must be citizens of the European Union, the United States, Canadian citizens or permanent residents of Canada to qualify for funding under the dual-degree program.

Dual-degree opportunity
The successful candidates have the option to spend one year in the UK, Germany, or Finland in an English-language MSc program, and one year at the University of Alberta leading to dual Master degrees. For details see the TRANSFOR-M description below.

Position Summary
The successful applicant will analyze botanical data, forest inventory plots, flowering observations, remote sensing data and dendrochronology records from Europe and western North America to detect and predict climate change impacts on tree growth, plant ecology and demography.

Depending on the applicant's interest and background, their research will focus on:
  (1) analyzing climate change impacts on forestry systems based on historical climate records,
  (2) identifying vulnerable species and populations under projected climate change, or
  (3) developing predictive habitat models to guide reforestation programs.

The incumbent will work in a multidisciplinary, international team and will acquire a wide range of skills including data management, analytical and modeling methods, as well as GIS and remote sensing skills for selected projects.

Qualifications
Applicants must have a background in ecology, environmental sciences, or forestry, and an interest in advanced analytical and statistical methods. Experience in ecological or forestry fieldwork is an asset. Knowledge of programming, GIS, remote sensing, or general computer skills are an asset. The successful candidate will be highly motivated with strong ability to work independently or as part of a team as required.

How to apply
Please send a letter of interest to andreas.hamann@ualberta.ca . Applications for Canadadian applicants can be processed any time before the start date, and visa students should apply 4 month in advance. Applicants interested in participating in the TRANSFOR-M dual degree program need to apply before January 15, 2018/19. Include a resume describing your skills and education, transcripts (unofficial copies are fine), and the names of three referees.

TRANSFOR-M

Transatlantic Forestry Master

A 2-year Master program leading to a European and a Canadian degree

TRANSFOR-M students will be educated in modern sustainable forest and environmental management approaches that are sensitive to cultural and situational differences. They acquire an enhanced global view that accommodates multi-cultural perspectives about economic and environmental issues. Each student will spend one year in Canada and one year in Europe in an English-language Master program.

The program includes an intensive 3-week field course in participating universities in Canada (BC, Alberta and New Brunswick) and a 3-week course in the participating universities in Europe (Finland, Germany, Sweden and Wales). Qualilfiying students will be funded for travel and living expenses while abroad.

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