

TITLE: Effect of forest management on insurable wildfire risk

SUPERVISOR: Silvana Pesenti

This summer project is part of a joint research venture between Prof. Yousefpour (Daniel's Faculty) and Prof. Pesenti (Department of Statistical Sciences). The overarching project is to analyse the impact of forest management practices on wildfire risk in Northern Ontario.

In this summer project, the student will be part of the team of Prof. Pesenti, analysing and modelling wildfire occurrences in Northern Ontario. We will use freely available and highly geographically accurate data which allows for spatial modelling of the wildfire occurrences and frequency. Next, we combine the model with Canadian insurance exposure data to wildfire risk. The student is further responsible to map the models to the different spatial data on forest management units. The student will be part of joint meetings between Prof. Yousefpour and Prof. Pesenti and will be working alongside the entire team.