

Carbon stability in boreal forest soils

PROJECT DESCRIPTION

The boreal forest is the largest terrestrial store of carbon. Even with conservative estimates, an average warming of two degrees Celsius (relative to about the year 2000) is likely for the boreal by 2050. Moreover, temperature increase has been linked to an increase in the area burnt by wildfire in the last decades. The focus of this project is to investigate potential effects of climate change on the composition and stability of soil organic matter in the boreal. We are particularly interested in understanding the effects of compound disturbances (changing climate, increasing fire, increasing land-use pressures).

FACULTY-DEPARTMENT

Agriculture, Life and Environmental Sciences – Renewable Resources

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [*Double First-Class Initiative*](#).

DESIRED FIELD OF STUDENT STUDY

Environmental chemistry, soil organic chemistry, soil science

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

1

INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.