



Environmental Science Seminar Series

Thursday, November 3, 2022

4:00-5:00 pm in S203

For synchronous delivery [Click here to join the meeting](#)

TITLE

Predictive geospatial modelling: Modern GIS methods and practical applications using LiDAR, multispectral, and open-sourced tools

SPEAKER

Matthew Coghill, Department of Natural Resource Sciences, TRU

ABSTRACT

Traditional GIS courses teach a wide range of skills to students from various academic backgrounds. Indeed, ArcGIS is the leading tool for geospatial visualization, interpretation, and analysis; however, licenses for this and other specialized software are expensive and how their tools work is often a mystery. Open-sourced tools that function similar to licensed tools are gaining popularity, and knowledge on their use is a valuable asset to a potential employer. Here, I will outline my experience using these tools in various projects and discuss modern methods of predicting terrestrial ecosystems and plant presence using UAV's and other remote sensing technologies.

ESSS Fall 2022 Schedule – <https://www.tru.ca/science/news/mscseminar.html>