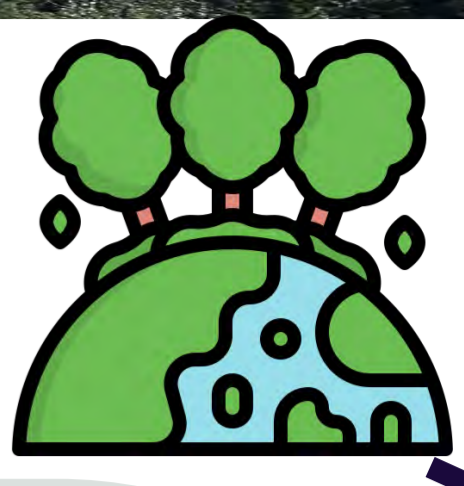


Effects of Paludification on Tree Productivity over the Clay Belt Region

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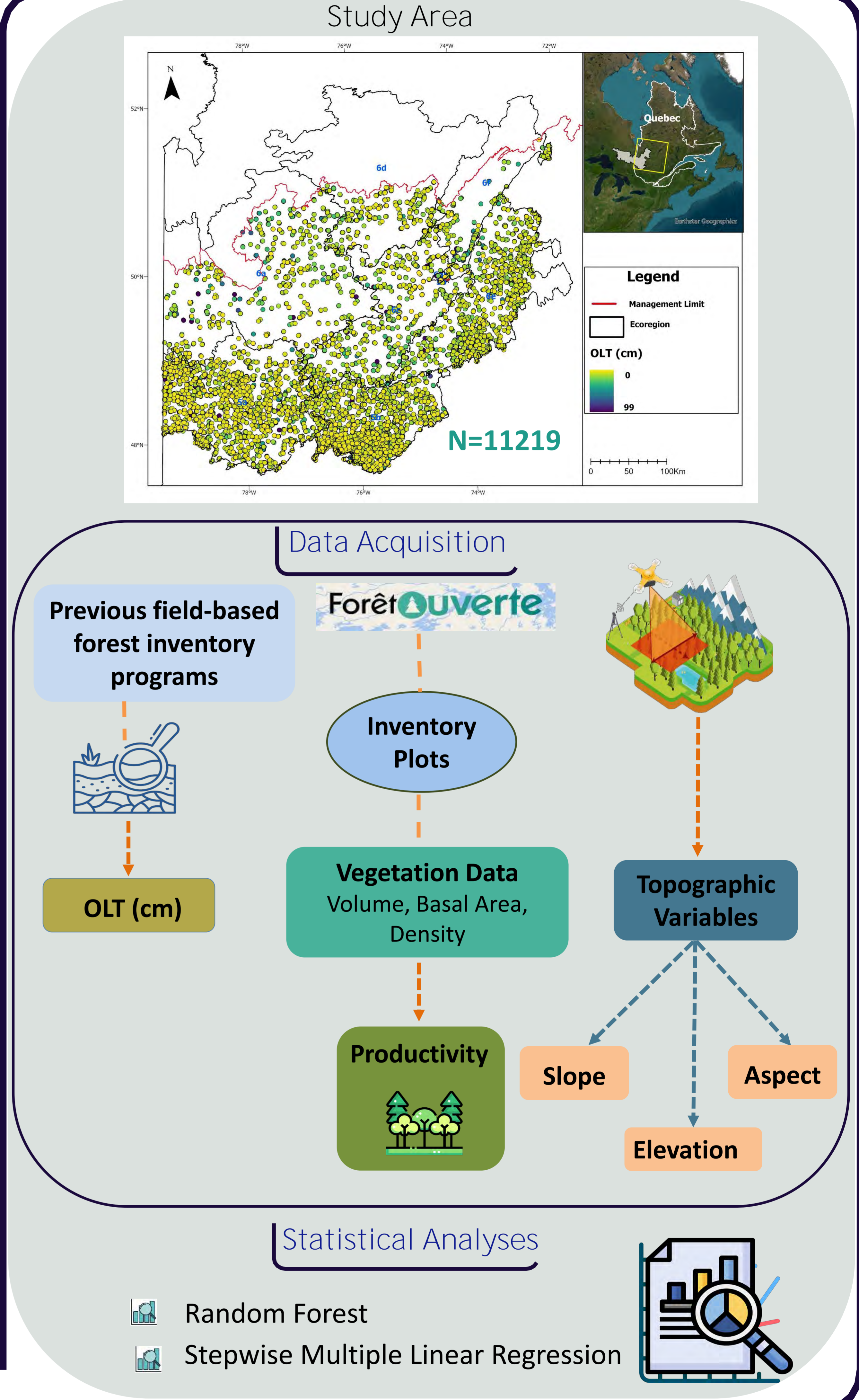
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A. Introduction

- Paludification is a natural process that refers to the accumulation of soil organic layers that can restrict the growth of trees, and a decline in forest productivity.
- It is especially problematic in the Clay Belt, where it has facilitated the transformation of productive forests into forested peatlands.
- It is essential to better understand this relationship to determine the direct and indirect effects of some variables at regional and global scales that drives forest productivity.

D. Methodology



B. Objective

- General Objective**
- Identifying the main drivers that influences the productivity of the Canadian clay belt forest.
- Specific Objectives**
- Identifying the different factors (biotic and abiotic) influence the forest productivity within the Clay Belt.
 - To understand the relationships between forest productivity and organic layer thickness (OLT).

C. Hypothesis

We hypothesize that dominant spp. of each stand will have variable productivity level based on their different ecological needs.

We also expect topographical factors will also have direct or indirect influence on productivity.

E. Contributions

- Help better understanding of the factors that may affect productivity.
- Facilitate forest management by identifying areas that are prone to paludification.