

Improved monitoring of ecosystem resilience using high-resolution remote sensing

by

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This thesis contains no material which has been accepted for the award of any other degree or diploma in any tertiary institution, and to my knowledge and belief, this thesis contains no material previously published or written by another person except where due reference is made in the text of the thesis.

Abstract

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Part I

Deriving fractional cover from drone multispectral and lidar data

Chapter 1

Introduction

1.1 Context

Chapter 2

Literature Review

Chapter 3

Conclusion

Part II

Structure properties derived from drone lidar data

Chapter 1

Introduction

1.1 Context

Chapter 2

Literature Review

Chapter 3

Conclusion

References

Appendices

A Supplementary Information

A.1 Edaphic variables

Geology structure by site

Bins

Soil classification by site

Bins

B Project Scripts

The project scripts are available online at <https://github.com/LNSOTOM/forestGISML>.

The scripts are written in **Python 3.8**.