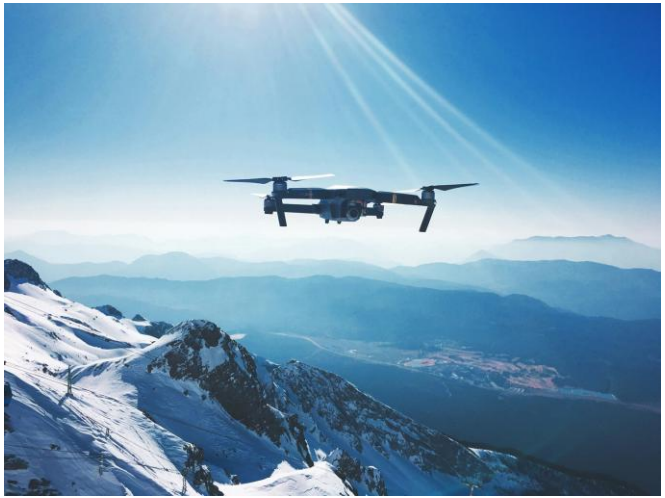
Viridis

A Comprehensive Solution for LiDAR Vegetation Analysis

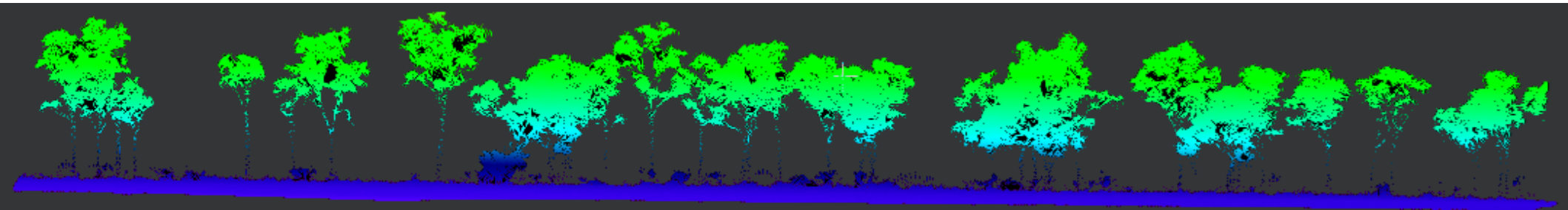
Overview

- Global challenges such as climate change, food security, urban development, and biodiversity loss
- Tools are needed that enable rapid and cost-effective assessment of landscapes

Remote Sensing



- Remote sensing technology offers one of the most promising solutions to this need, allowing fast collection of data with minimal manpower
- LiDAR holds immense potential for aboveground vegetation analysis thanks to its generation of high-quality 3D models

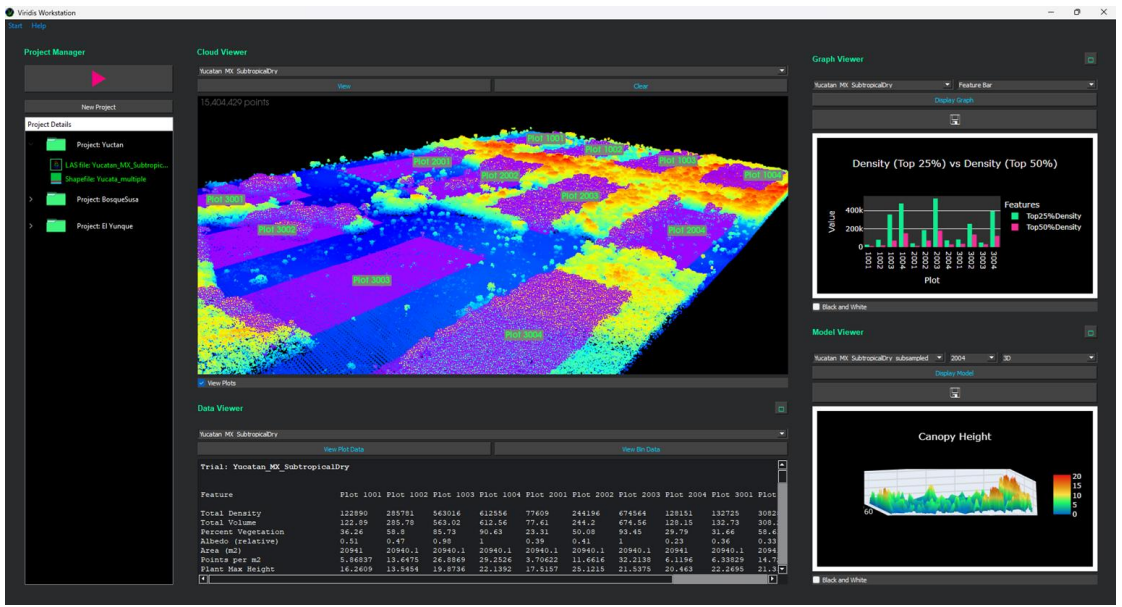


Problems

- Lack of Support for Environmental Scientists
- Difficulty of Implementa
- Processing Inefficiencie
- Prohibitive Costs

Solutions

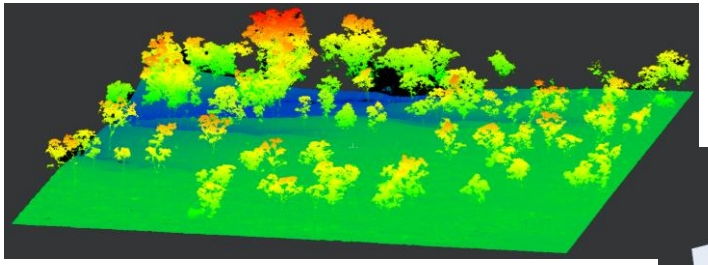
To confront these challenges, we introduce Viridis, a comprehensive LiDAR application designed specifically for the processing, extraction, and visualization of vegetation data:

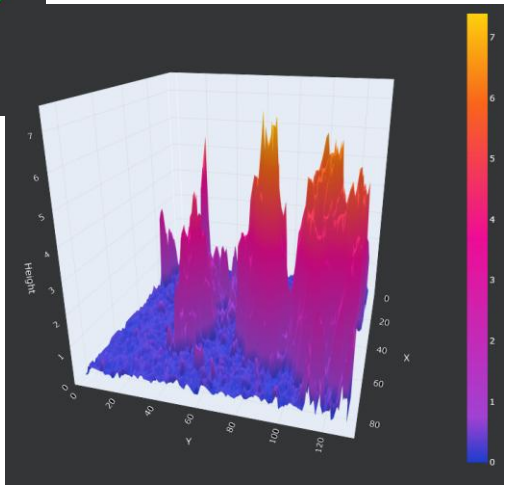


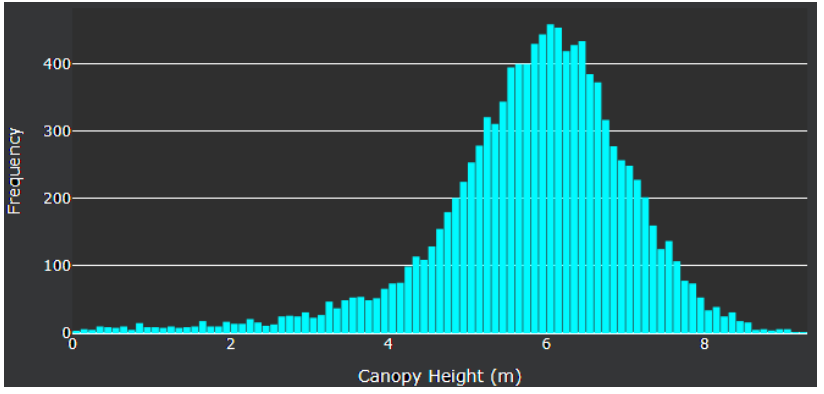
- Power of Automation
- Tailored to User Needs
- Easy to Use

Key Features

- Simple graphical user interface
- Comprehensive feature extraction
- Automated pipeline
- Batch processing
- Shapefile integration
- Preset parameters
- Generated data printouts
- In-program visualization







Applications

- Ecological
  - Biomass Measurement
  - Vegetation Monitoring
  - Landscape management
- Agricultural
  - Yield Assessment
  - Trait Identification
  - Disease and Pest Monitoring

Beneficiaries

- University Researchers
- Graduate Students/Post-Doc Researchers
- Environmental NGOs
- Government Agencies
- Plant Breeding Programs
- Agricultural Development Companies
- Geospatial Service Companies
- Remote Sensing Enthusiasts

Contact

For further information, pricing, or to schedule a demo, please write to

EarthMetrics Software Solutions