NEW

LIS TreeAnalyzer Plugin

RiSCAN PRO – Single Tree Segmentation and Analysis

3D recording of stocked areas and in particular the evaluation of these data were so far dreams of the future.

Now – with the current generation of *RIEGL* VZ-i Terrestrial Laser Scanners, e.g. the VZ-600i, and the latest version of RiSCAN PRO and the LIS TreeAnalyzer Plugin – such tasks are not only feasible and exactly calculable but can be satisfactorily completed in a short amount of time!

RIEGL's LIS TreeAnalyzer Plugin enables the automatic extraction of various individual tree parameters from terrestrial point clouds and their further processing in corresponding software packages for forestry applications.

- fast inventory workflow
- reliable measurements
- objective data
- digital archive for analysis and evaluation at any time

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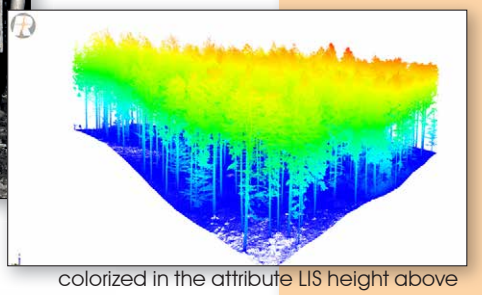
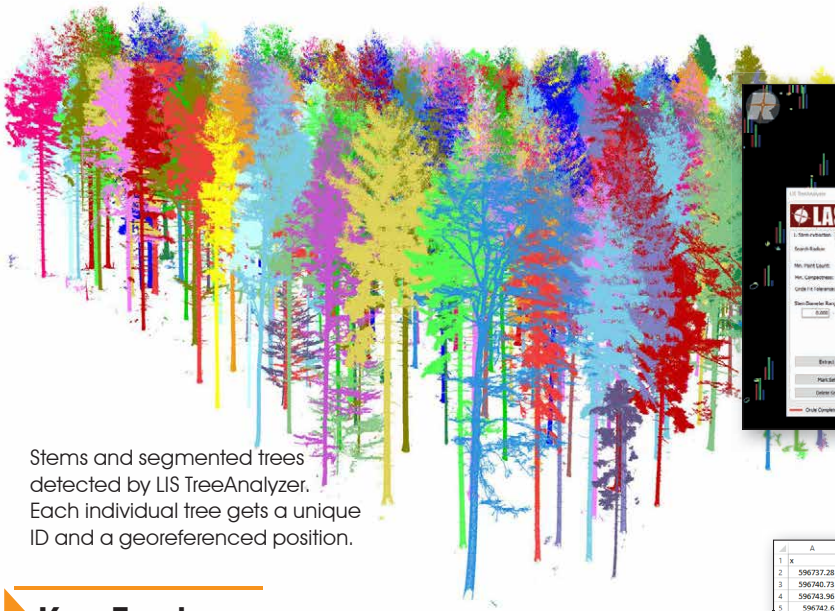
single scan in forest environment:
RIEGL VZ-600i, point spacing 6mm@10m, 25 sec scan time, pictures included

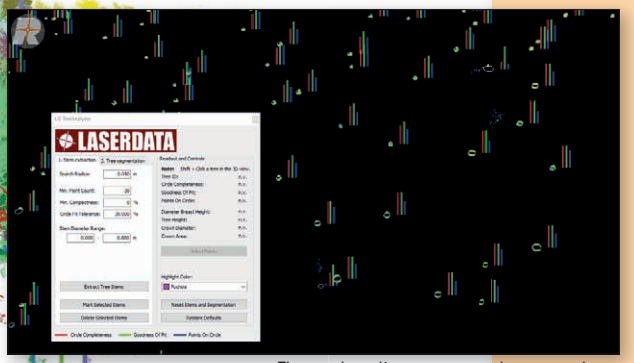
combined point cloud of different scan positions, reflectance colored



colorized in the attribute LIS height above ground (normalized height calculation)



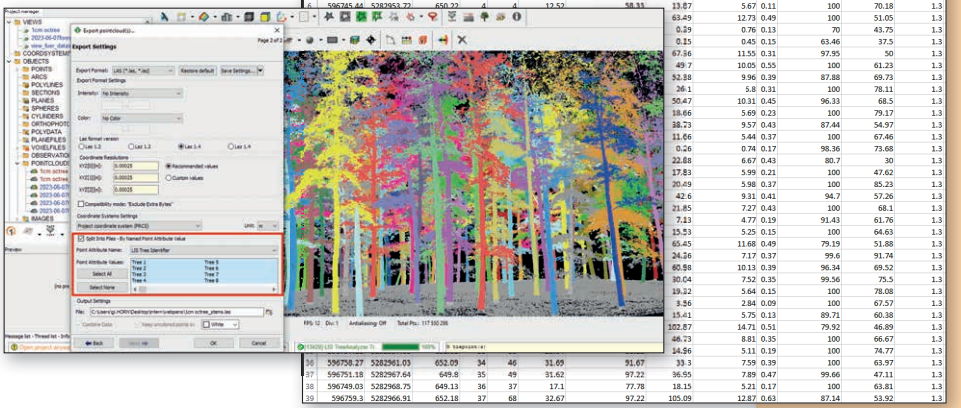
Stems and segmented trees detected by LIS TreeAnalyzer. Each individual tree gets a unique ID and a georeferenced position.



The extraction parameters can be easily adjusted and displayed in the 3D view. The user has full control during this process.

Key Features

- georeferenced tree position
- tree ID
- DBH – Diameter at Breast Height
- tree height
- crown area
- crown diameter



Export the extracted paramameters as .shp, .dxf or .csv for further analysis and calculations. Each individual tree can be additionally exported as a 3D point cloud.

System Requirements

The LIS TreeAnalyzer plug-in requires a separate license.
For further inquiries please contact your local distributor or sales@riegl.com.
RiSCAN PRO version 2.18+ is mandatory.

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