

Forest research plots

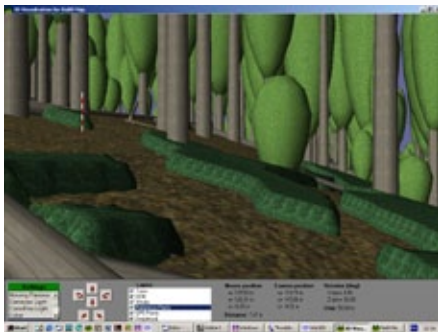
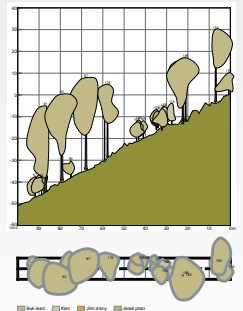
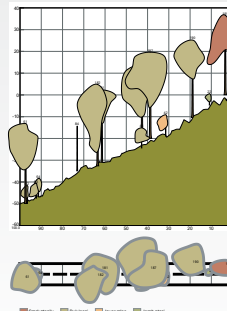
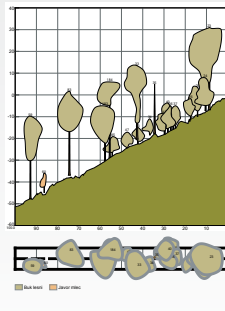
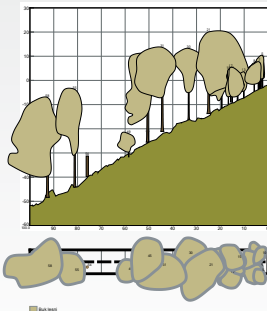
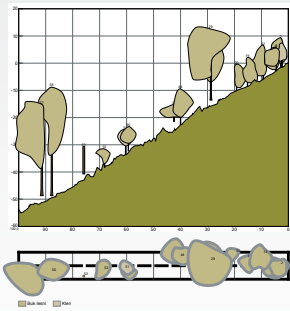
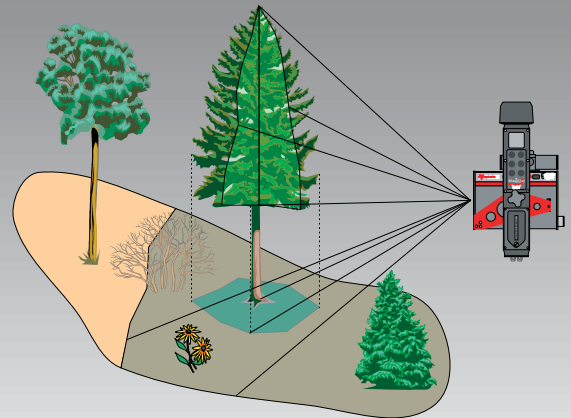
with Field-Map technology



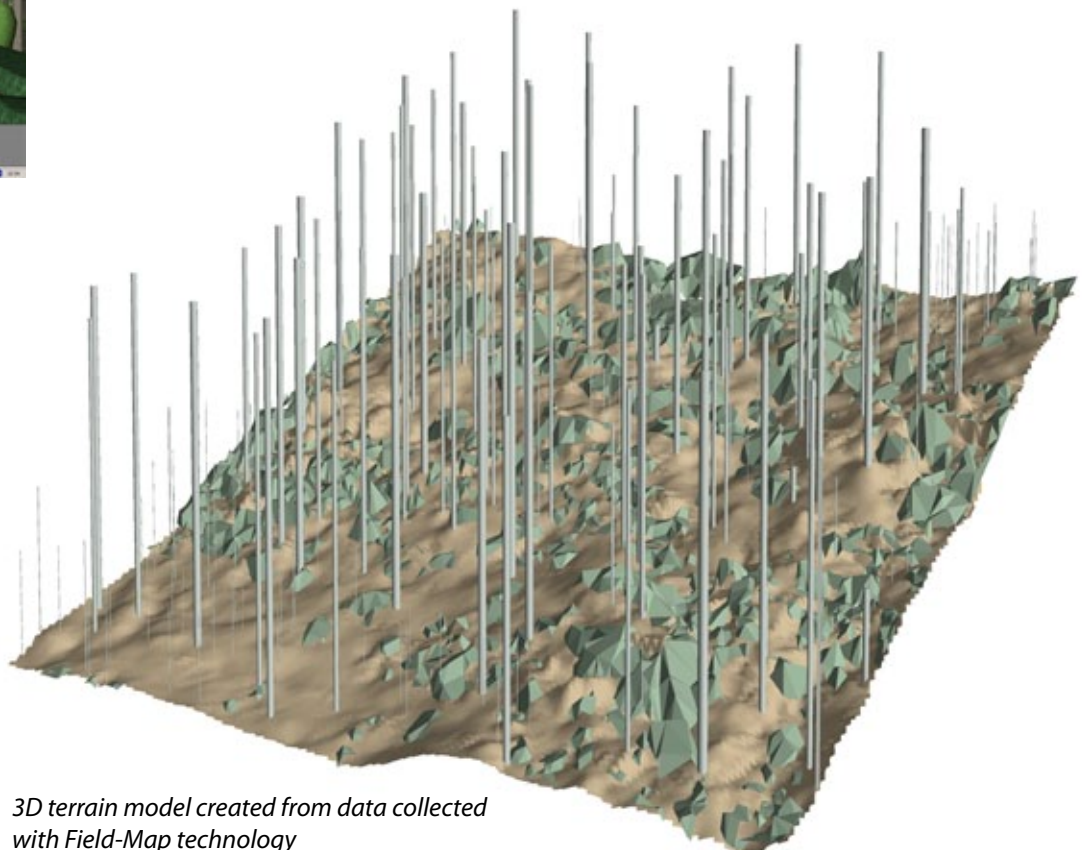
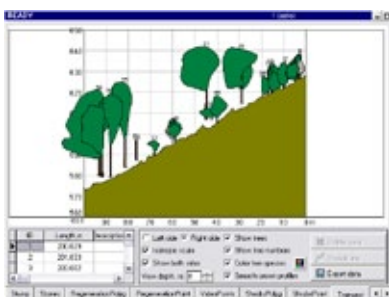
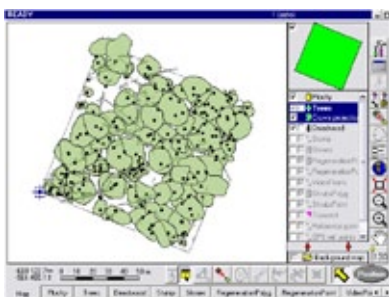
Field-Map technology supports measurement of trees, regeneration and dead wood on research plots of various shapes and sizes.

The data acquired from the measurement devices are stored in the field computer database and immediately displayed (e.g maps) on the field computer screen.

One of the main advantages of using Field-Map is a possibility to immediately check the measured data directly in the field. The automatic input of data into the database brings significant time savings while reducing the costs at the same time.



The borders of the plot are very accurately checked with a laser rangefinder, an inclinometer and a compass. During the measurement of the tree position, Field-Map automatically verifies whether the tree is inside or outside the plot.



3D terrain model created from data collected with Field-Map technology

Equipment used for measurements on forest research plots

Electronic devices capable of measuring a three-dimensional structure of the forest with sufficient accuracy are used for measurements on forest research plots.

Field-Map software has functions for measuring and mapping, and it supports repeated measurements (e.g. trees measured in the past can be easily identified using their coordinates).

Laser-rangefinder, inclinometer and compass

Used for mapping (distances, slopes, Azimuth), navigation in the terrain, and dendrometric measurements

An angle encoder resistant to magnetic anomalies is also available as an alternative to the compass

Scope

Used for remote diameter measurement

Tablet computer

Used for receiving, entering and processing data

