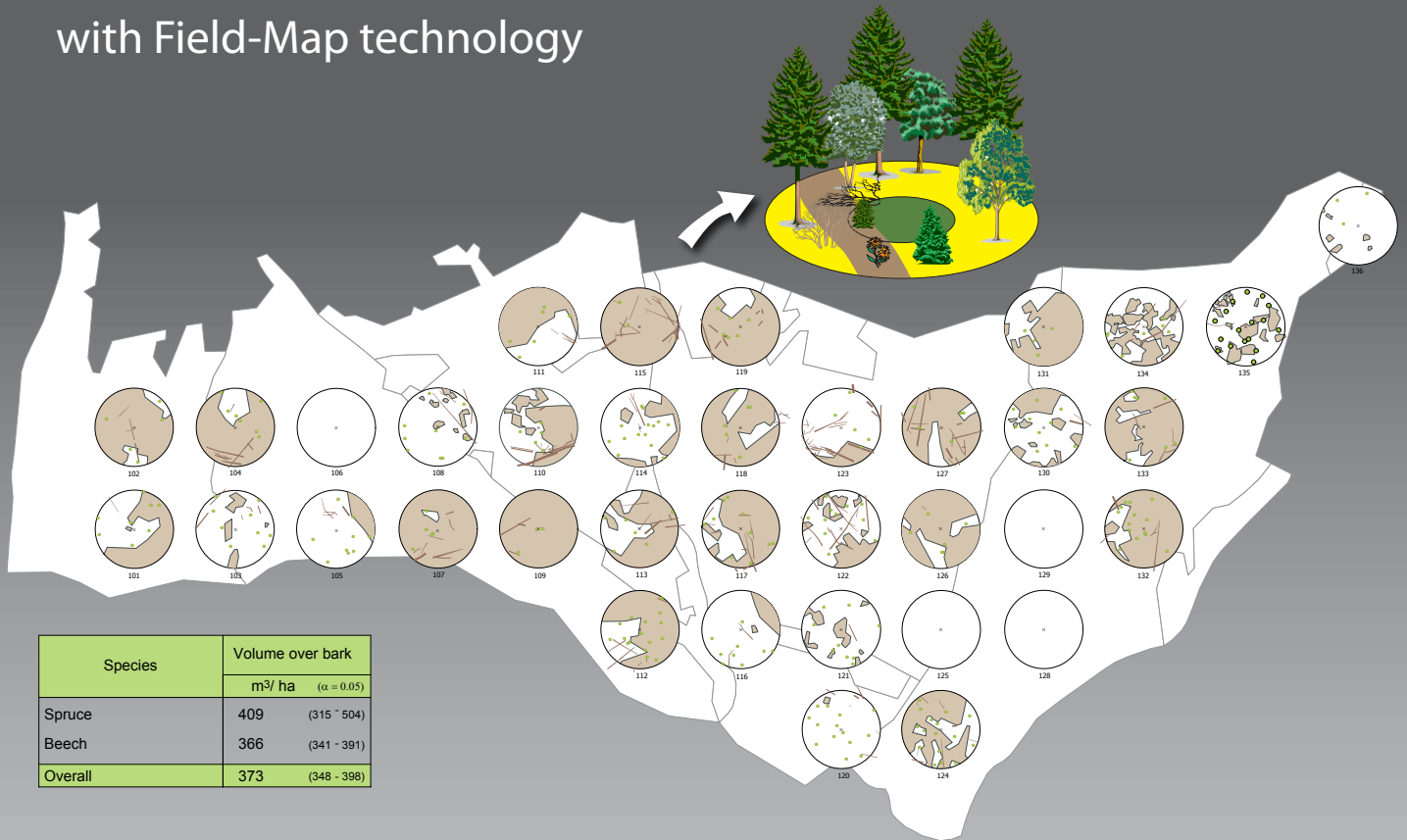


Operational forest inventories

with Field-Map technology



Example of forest inventory circular plots network in Šumava National Park, Czech Republic

Field-Map supports the creation, evaluation and repeated measurements of permanent and temporary inventory plots. A network of Inventory plots can be generated. A selection of parameters as distance between plots, distance from the defined limit of the plot, etc., can be adjusted according to user's needs.

With Field-Map technology the database structure and the survey methodology are easy to customize. Indeed Field-Map is used for various project types.

Field-Map software provides connection between several types of electronic measuring devices. This solution ensures the best accuracy of data collected. But the data can also be entered manually.

Field-Map allows trees measurements (position, height, DBH, etc.) and descriptions of attributes, as well as mapping of the deadwood, occurrence of natural regeneration and others.

With Field-Map you can store your pictures, voice and text notes. In the forest it is possible to use background digital maps.

The use of Field-Map technology in statistical operational inventories optimizes the cost and the accuracy of data collection. Even in cases with a relatively small number of sample plots it's possible to keep costs low while maintaining the required accuracy.

Especially successful for cost reduction is the phase of data processing. The special software Field-Map Inventory Analyst reduces time consuming for data processing and reporting.

Field-Map had been used in different forest inventories:

- Forest Management in richly structured forests (Bavarian Forest NP, NP Thayatal)
- Surveys for private forest owners
- Monitoring of Forest Reserve in Belgium, Germany, Czech Republic and Ukraine
- Biomonitoring of National Parks (Krkonoše NP, Šumava NP)
- Game damage inventory

Equipment used for operational forest Inventories

The statistical inventory is operating in a network of a comprehensive and representative Inventory plots. Therefore, the free movement of field workers in the plot with light and mobile measuring equipment must be ensured. For the purpose of small inventories, a set with pocket PC running Field-Map LT software is sufficient.

Laser-rangefinder, inclinometer and compass

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

Pocket PC

Used for receiving, entering and processing data



Alternative equipment for easy operational inventories

