

Ground Truthing - PCQM Species Doc

PCQM Species Documentation

Data aquisition notes

The data was recorded on the **16th May 2023** from roughly 13:00 to 16:00.

For this a random spot in the middle of the park was selected, and the spatially next four trees were detected (estimating was enough here) and evaluated.

Then a few data points for each tree were evaluated using multiple tape measures and noted down in the table.

Table header documentation

- **GroupID:** Is the ID of the associated group (in this case it is always 4)
- **PlotID:** references a different spot to start the measurement (in this case only one spot was used)
- **Tree-ID:** Identifies the four next trees
- **Date:** Date of measurement
- **X/Y-Coordinate:** GPS Coordinates of the plot center
- **Species:** the concrete species of the tree
- **Distance:** Distance to the center in meters
- **Girth:** Girth of the tree, measured at breast height (~ 145 cm)
- **DBH:** Diameter of the tree at breast height (calculated from girth)
- **BA:** Basal Area of the tree at the same height (also calculated from the girth)
- **BA total:** total basal area of a species. In our case the same as BA, since we have different species (calculated from BA)