# Appendix 5 Database description

The underlying measurement data from both MFV (Meetnet Functievervulling bos 2001-2005) and NBI6 (The Sixth Dutch Forest Inventory (NBI6) was done in 2012 and 2013) are available as an MS Access database via the Probos website (www.probos.nl/publicaties/overige/1094-mfv-2006-nbi-2012).

This appendix contains a concise description of the database.

Tables:

All tables with MFV in the name refer to the MFV measurements (2001-2005), and all tables with NBI in the name relate to NBI6 (2012-2013).

- The tables starting with 'data_' contain the actual measurements.
- The other tables contain explanations about the codes used in the data tables.

As the codes for a certain variable did not changed in NBI6 compared to MFV only the corresponding MFV code explanation table exists. For example:

- as NBI_BOOMKLASSEN does not exist, so MFV_BOOMKLASSEN can be used for this used.

The table 'data_XXX_plotdefinition' contains the definition of the sample points, such as plot number, municipality, province and location. For privacy reasons, the exact coordinates are not included in the database, but only the indication of the km2 grid cell in which the sampling point is located. This one designation is derived from the INSPIRE grid for the Netherlands (www.efgs.info/data/eurogrid/Grid_ETRS89_LAEA_EN_1K.zip).

For each table in this report, the corresponding queries are included in the database. Only for the tables 9.3, 13.2 and 13.3 this was not possible. The numbering of the queries corresponds to the table numbers in this report. In several cases multiple queries were needed for a single table, in this case the queries are equipped with an A and B after the table number. A number of tables are both data and data
table included as cross table (recognizable by the addition _cross).
For new users it is recommended to use the existing queries as a starting point for new analyzes in order to get a better picture of the structure of the database. In addition to the table queries, there are still a number of help queries available:

- The query 'X_opname_nieuw_nbi_verzamelde_gegevens' is the basis of most queries and tables, and contains the data of all sample points that are forest.
- 'X_total_plots_opp' contains the total number of sample points, the total area of the forest, and the representative surface per sample point. This is used to get numbers of points count towards surfaces.
- 'NBI_grondvlak_per_boom' contains the calculated soil per tree
- 'qry_plots_2keer_gemeten' contains all MFV and NBI6 data of the sample points actually measured twice.

Most tables and fields do not require further explanation. Here are a number of explanations:

Table 'data_NBI_plot_metingen' (data_NBI_plot_measurements):
- dominant tree species: Based on the ground plane of the trees in the sample circle it is determined which type is dominant (> 60% of the base). This can therefore be another tree species than the main tree type of the whole stand. If there is no species occupying more than 60% the it is referred to as mixing (ME).
- dominant tree group: the same, but by species group instead of the species (see Appendix 4 for the groups).
- plotnumber_oud: If a permanent point is not found, a new plot number is granted. 'Plot number_old' refers to the plot number in the MFV database that is replaced. In these cases, no comparison can be made between the current and the previous measurement because the measurement is probably not done at the exact identical location.
- nature management type: this refers to the SNL nature management types (www.portaalnatuurenlandschap.nl/themas/overzicht-typen-natuur-en-landschap/)

Table 'data_NBI_Bodem2013':
- CODEBODEMK: Code according to the soil map of the Netherlands
- GWT: groundwater table/level
- GHG: Average highest groundwater level
- GLG: Average lowest groundwater level

Table 'data_NBI_Boomgegevens': This table contains all data from the regular measurements on the sample points from the NBI6. All ordinary measurements on the sample points have test tree code 0.
Table' data_NBI_Proefboomen: This table contains all data from the test trees that were used for determining the mass rates. These have test tree code 1, and have both a diameter and height measurement.

Table 'data_NBI_Zaaghout': This table contains all the data from the evaluation of the quality of the timber of individual trees. These have test tree code 2, and contain an assessment of tautness, straightness and damage.

Table 'data_NBI_plots_mengvorm': This table contains the data that forms the basis for table 7.1 and 7.2 in this report. The mixing form is determined per sample circle on the basis of the base of all trees in that sample circle. The calculation of the mixed forms is too complex to be out of a database and therefore only the results are included in the database.

Table 'data NBI_plots_mengvorm_deelopp1': This table contains the same data as the table NBI_plots_mixing form, but here only the trees on partial surface 1 have been included in the determination of the mixed form. A sample circle can in fact be judged as mixed, if it is precise on the border of 2 monocultures. The results of this alternative way of calculating are otherwise not reported.
Volume, additional growth (at both tree and plot level) and slope (only at plot level) are calculated with a statistical software package and subsequently added to the database.