

NFI data for calibration

A subset of the field data collected on temporary NFI plots can be downloaded in Excel format from this web site.

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The file includes a *Read_me* sheet and a sheet with field data from temporary plots on forest land¹ collected from 2007 to 2024. Note that plots located on boundaries (for example boundaries between forest stands, or different land use classes) are not included in the dataset. The dataset is primarily intended to be used as reference data and validation data in remote sensing applications. It cannot be used to derive estimates of totals or mean values for a geographic area of any size.

Note that the definition of mean stand height differs depending on the mean height! If basal area weighted mean stand height is less than 7 m arithmetic mean is used, otherwise basal area weighted mean height is used.

An English version of the field manual can be found at https://www.slu.se/globalassets/ew/org/centrb/rt/dokument/faltinst/nfi_fieldwork_instructions_eng.pdf

The forest variables included in the dataset are:

- Plot ID
- Position of plot (Sweref 99_{TM})
(Info about the Swedish reference system on <http://www.lantmateriet.se/en/Maps-and-geographic-information/GPS-and-geodetic-surveys/Reference-systems/>)
- Date of inventory
- Plot size (same size for all plots)
- LandUseClass (National classification according to table in the Read_me sheet. Only plots from Forestland according to FAO-definitions included.
- Treelayers (number of tree-layers on the plot, 0-3)
- FullyLayered (Indicator for fully layered stand, 1 if fully layered, otherwise 0)
- Mean stand height (m)
- Stand age (yrs) [Top-class = 101 yrs, i.e. all ages above 100 yrs]
- Site Index (m) for the tree-species used for Site Index determination
- Tree-species used for Site Index determination
- Maturity class (Missing if not productive forest, i.e. LandUseclass=1)
- Stand density (Missing if not productive forest, i.e. LandUseclass=1)
- Stand Gaps (Missing if not productive forest, i.e. LandUseclass=1)
- Dry weight for different tree fractions (kg/ha)
- Volume (m³/ha)² by tree species
- Basal area (m²/ha)² by tree species
- Mean diameter (mm)² by tree species
- Number of stems per hectare² by tree species
- Soil moisture class
- Soil type class

- Soil texture class
- Soil depth class
- Bottom layer vegetation type
- Field layer vegetation type

NFI Website

<https://www.slu.se/en/Collaborative-Centres-and-Projects/the-swedish-national-forest-inventory/>

Contact persons

[Jonas Fridman](#)

[Mats Nilsson](#)

¹⁾ Forest land according to the FAO definition

²⁾ Values are given separately for Scots pine, Lodgepole pine, Norway spruce, Birch, and other deciduous species.