DATA DOCUMENTATION ON LIVING TREES

FOREST PLOT – CAMPAIGNS 2014-2016

Preface

On each forest plot, standing living trees (with diameter at 1.30m over 7.5cm) are selected on circular plots.
Each tree is inventoried, whatever its sylvicultural use.
A tree is a wooden plant (except creepers) that can reach 5m high at maturity *in situ*.

6m radius circular plot: selection of trees of "small diameter"	(23.5 ≤ C13* < 70.5 cm ➔ 7.5 ≤ D13* < 22.5 cm)
9m radius circular plot: selection of trees of "medium diameter"	(70.5 ≤ C13* < 117.5 cm ➔ 22.5 ≤ D13* < 37.5 cm)
15m radius circular plot: selection of trees of "large diameter"	(C13* ≥ 117.5 cm ➔ D13* ≥ 37.5 cm)

*C13 is the circumference at 1.30m and *D13 is the diameter at 1.30m.

On each inventory plot, from 0 to n trees have been selected, strictly following the trees' selection process.
On each inventory plot, approximately 10 trees are inventoried.

Since 2014, this tree population is divided into 2 categories in the field:

- The not simplified trees are completely measured; these trees are randomly selected once the species and the diameter of all the trees have been entered into the filed computer. One tree by species and by diameter class is systematically selected, as well as all the very large diameter trees.
- The simplified trees are not measured for their total height, radial increment, height at the first timber and type of cut.

Exhaustive listing of the raw data

Except if mentioned, all the raw data are collected in the field.

IDP: inventory plot ID
A: tree ID
VEGET: vegetation state
SIMPLIF: simplified tree indicator (modification 2014)
ACCI: tree accident
ESPAR: tree species
ORI: tree origin
LIB: rate of free growing trees
FORME: shape of the tree canopy
TIGE: shape of the tree stem
MORTB: tree branches mortality into the canopy
SFGUI: presence of mistletoe
SFGELIV: presence of winter injury
SFDORGE: presence of witches' broom and gall on the trunk
SFCOEUR: presence of rot
C13: circumference at 1.30m (cm)
IR5: radial increment on 5 years (mm)
HTOT: total height (m)
HDEC: height at the first timber (m)
DECOUPE: type of cut
QUALITE: tree quality // R: scrap rate (new 2014)
LFSD: stem length without default (m) (modification 2014)
AGE: age at 1.30m
V: Tree volume (calculated)
W: ponderation coefficient of the tree (calculated)