RESEARCH PROGRAM ON Forests, Trees and Agroforestry

CGIAR

Consultancy Report number 2, by Ophélie Ratel – July 2020

Product n°2: Forest sampling database

File “BD_secondary_exploited_forest”

This database is constructed in the following way:

1 line per tree, with for each one its species, height, diameter, biomass and in some cases the soil characteristics of the plot.

In this database only the secondary and exploited forests that are monitored over time are included (CATIE, CODEFORSA and FUNDECOR plots).

Metadata:

BDD = source of datababase (CATIE, CODEFORSA or FUNDECOR)

forest_type = Secondary or exploited primary forest

disturbance = year of deforestation for secondary forests or first year of exploitation

experiment = project or work source of the data

id_tree = id for each tree sampled

code_parc_year = code with site name and the year of sample

id_parc = site name

code_plot = site name associated with plot number

lat/long = coordinates in decimal degrees

UTM_X/UTM_Y = coordinates in UTM_16N

area = plot area in ha (site area = sum of plots area)

plot = plot number

subplot = subplot number

nsarb = number of tree within the plot

codesp = 4 letters of genus + 2 letters of species

familia = species family

genus / sp / spp = scientific name

year = sample year

measure = number of measure (for temporal monitoring)

D = DBH = diameter at breast height in cm

WD = Wood density

POM = position of measure in m

H = height of tree in m

AGB_Mg = Above ground biomass per tree in Megaton

sand% = % of sand per plot

slime% = % of slime per plot

clay% = % of clay per plot

pH_H2O = pH in water in first horizon

Acidity = acidity value in first horizon

Ca = calcium concentration in cmol/l

Mg = magnesium concentration in cmol/l

K = potassium concentration in cmol/l

P = phosphore concentration in cmol/l

Zn = Zinc concentration in cmol/l

Cu = copper concentration in cmol/l

Fe = iron concentration in cmol/l

Mn = manganese concentration in cmol/l

MO% = % of organic matter in first horizon

CO% = % of organic carbon in first horizon

ECEC = Effective Cation Exchange Capacity (cmol/l) in first horizon

texture = soil texture

ppm_plot = Average annual rainfall of the plot (mm)

temp_plot = Average annual temperature of the plot (°C)