Derived variables

1) BasalArea (m ^{2})

A tree's basal area is the cross-sectional area of the stem at 1.3 m above ground.

BA = (DBH/200)^2× π   (with DBH the diameter at breast height)

2) AG_Biomass

Above Ground Biomass (Chave et al. (2014))
Improved allometric models to estimate the above ground biomass of tropical trees (Global Change Biology, Vol. 20, No. 10, p. 3177-3190)

AGB = 0.0673 (WD × DBH^2 × Height) $^{0.976}$

(with WD the wood density, default value used of 0.615 t/m³ and Height the tree Height)

3) **BoleVolume** = *Basal Area × Bole Height*

4) **StemVolume** = *Basal Area × Tree Height*

5) The suffix **_HA** means that the value has been calculated per hectare

Units

DBH: cm
BoleHeight: m
TreeHeight: m
CrownDiameter: m
BasalArea: m^2
AG_Biomass: Kg
BoleVolume: m^3
StemVolume: m^3