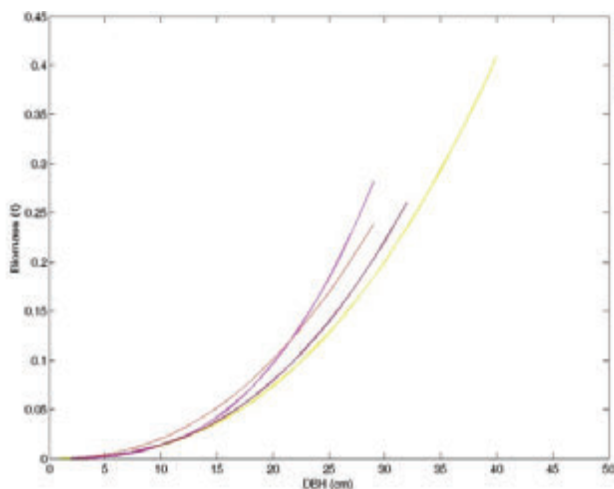


Fantallometrik

A versatile tool for assessing volume, biomass and carbon stocks



Fantallometrik is an innovative software for calculating the volume, biomass and carbon in trees, taking into account existing allometric equations at the continental level. The software contains three main modules:

- (1) comparison of existing tree allometric equations,
- (2) assessment of volume, biomass and carbon stocks, and
- (3) insertion of new allometric equations.

GlobAllomeTree is an international platform for tree allometric equations. It is designed to facilitate global access to tree allometric equations and therefore to assist in the assessment of tree biometric characteristics for calculating commercial volume, bioenergy production and carbon cycling. Globallometree products are free. They are well-suited to a range of users, such as foresters, project developers, scientists, students and forest technicians.



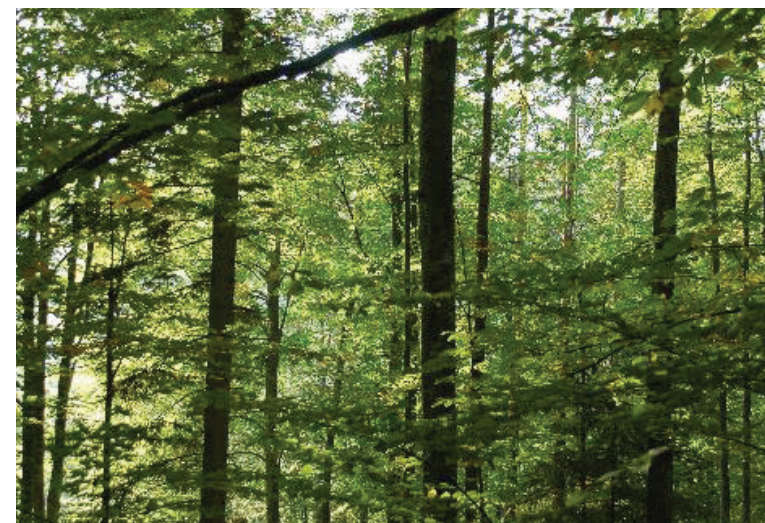
For further information:

Globallometree@fao.org
Food and Agriculture Organization of the United Nations (FAO),
Viale delle Terme di Caracalla, Rome, 00153.

www.globallometree.org



GlobAllomeTree International Tree Allometric Equation Platform



GlobAllomeTree

International platform for tree allometric equations to support volume, biomass and carbon assessment.



ID	Ecosystem	Country	Biomass	Species	Output
411	Forest	Botswana	Tropical dry forest	Balanites aegyptiaca	Volume
416	Forest	Botswana	Tropical dry forest	Balanites africana	Volume
457	Forest	Botswana	Tropical dry forest	Colophospermum mopane	Volume
429	Forest	Botswana	Tropical dry forest	Pyramanthus angustifolius	Volume
487	Forest	Botswana	Tropical woodland	All All	Volume
478	Forest	Botswana	Tropical woodland	Acacia drepanolobium	Bush biomass
571	Forest	Botswana	Tropical woodland	Acacia kirkii	Bush biomass
572	Forest	Botswana	Tropical woodland	Acacia mellifera	Bush biomass
573	Forest	Botswana	Tropical woodland	Acacia tortilis	Bush biomass
585	Forest	Botswana	Tropical woodland	Diospyros genata	Bush biomass
653	Forest	Botswana	Tropical woodland	Ziziphus mucronata	Bush biomass
646	Forest	Botswana	Tropical dry forest	Acacia tortilis	Biomass
647	Forest	Botswana	Tropical dry forest	Colophospermum mopane	Biomass
721	Forest	Botswana	Tropical woodland	Acacia senegal	Biomass
722	Forest	Botswana	Tropical woodland	Acacia drepanolobium	Biomass
723	Forest	Botswana	Tropical woodland	Acacia kirkii	Biomass
724	Plantation	Botswana	Tropical woodland	Acacia kirkii	Biomass
725	Forest	Botswana	Tropical woodland	Acacia drepanolobium	Biomass
726	Forest	Botswana	Tropical woodland	Acacia mellifera	Biomass
727	Forest	Botswana	Tropical woodland	Balanites africana	Biomass
728	Forest	Botswana	Tropical woodland	Acacia tortilis	Biomass

The GlobAllomeTree platform provides:

- (1) a consistent and harmonized database of tree allometric equations,
- (2) software to estimate variables of interest, such as volume, biomass and carbon stocks,
- (3) easy access to scientific research information on allometric equations and the assessment of volume, biomass and carbon stocks, and
- (4) access to tutorials and manuals supporting the use and development of tree allometric equations.

Support to capacity building

The GlobAllomeTree platform supports the sharing of knowledge on tree allometry and promotes capacity building to use and develop tree biomass and volume equations. National and regional trainings and workshops have been implemented and supported by FAO in several countries and continents.

All the information and training materials are freely available on the web platform.



Scientific workshop on allometric equations in Vietnam. Hanoi, June 2012



Scientific workshop on allometric equations in Central Africa. Yaoundé, Cameroon, April 2013

Documentation

Selection of explanatory variables

Sampling and selection of trees

Field and laboratory measurements

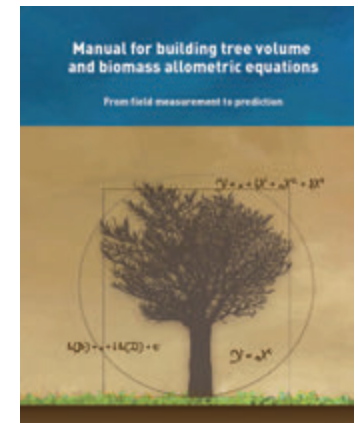
Data entering and formatting

Graphic exploration of the dataset

Fitting of the allometric equation

Model validation and prediction

The first manual to improve estimates of forest volume and biomass and support the development of allometric equations.



Other published materials

- Regional reports on allometric equation inventories for Central, North and South America, and country reports for Bangladesh and Cambodia;
- Tutorial for database development and for Fantallometrik software;
- Assessing biomass expansion factors for different forest biomes of the world (using allometric equations);
- Tree allometric equation development for estimating forest above-ground biomass in Viet Nam;
- Training materials in English, French and Spanish.