

Specifications	Description
What is it?	Forest aboveground biomass density (AGBD in Mg ha^{-1}) and canopy height (CH in m) at 30 m spatial resolution, with global coverage annually from 2000 onwards.
Modelling approach	Two-step regional method: <ul style="list-style-type: none"> - Spatial k-fold Canopy Height modelling (regional-specific neural network algorithm) - Canopy Height to Aboveground Biomass Density (biome-specific nonlinear regression)
Reference data (labels)	<ul style="list-style-type: none"> - Field-based multi-scale lidar AGBD - Satellite-based GEDI L4A AGBD and GEDI L2A CH
Satellite ARD data (predictors)	Landsat constellation 12-month temporal composites (5,7,8,9) and SRTM-derived topographic data
Validation	Scale-dependent error: to errors of less than 10% over areas > 400 ha, 30% at 1 ha, and 24% at 25 ha, from 25-41% at 0.09 ha (pixel-level)
Value range	AGBD: 0 - 1000 Mg ha^{-1} , CH: 0 - 120 m
Dataset units	AGBD: Mg ha^{-1} , CH: m
Uncertainty	Residual variance, as standard error
Temporal coverage	2000 to previous year
Temporal resolution	Annual cadence
Spatial resolution	30 m
Spatial coverage	Global, excl. ice sheets
Variable type	Continuous
Science & methods	Demol et al., (2024) , Rodriguez-Veiga et al., (2021) , Ploton et al., (2020) , McRoberts et al., (2022) , Naesset et al (2020)