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metadataId=23172&searchlist=true

Advanced Search

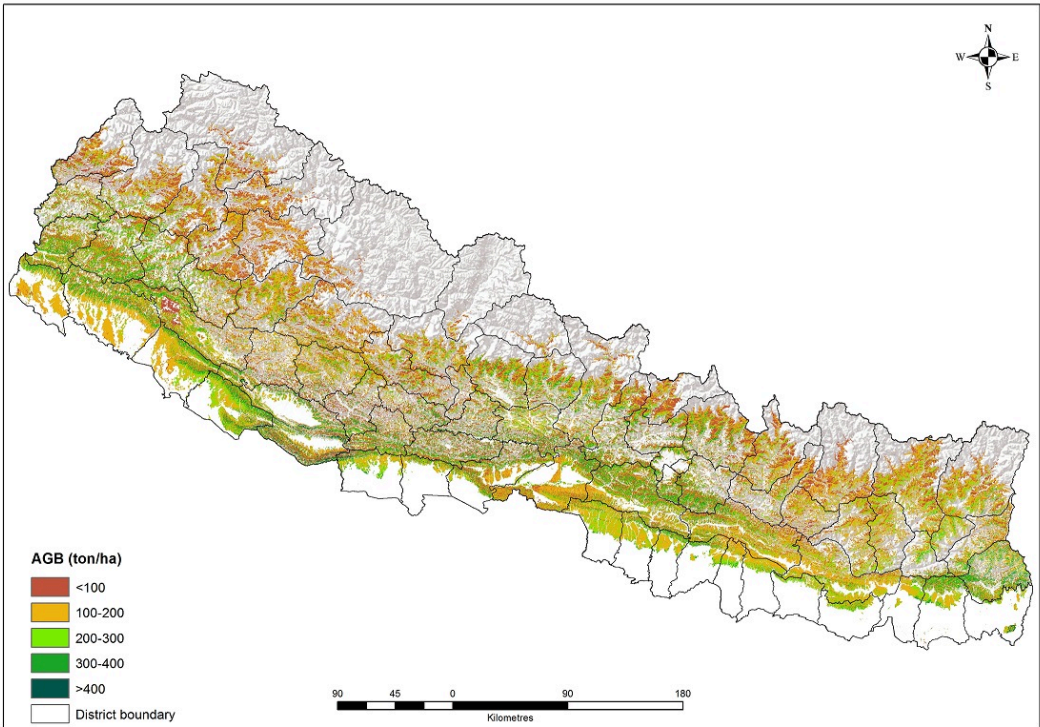
Above ground biomass (AGB) data in Nepal

UPDATED DATE: 7/17/2025 11:58:30 AM

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From the field well distributed circular (750m2 and 500m2), 1124 field plots (0.001% representation of forest cover) measured which were used for estimation AGB (ton/ha) using Sharma et al. (1990) proposed equations for all tree species of Nepal. A satisfactory linear relationship ($AGB = 8.7018 \times H_{max} - 101.24$, $R^2 = 0.67$, $RMSE = 7.2$ ton/ha) achieved between maximum canopy height (H_{max}) and AGB (ton/ha).



Schema	iso19139
Purpose	Developed AGB used to produce optimum fuel wood scenarios using population and road accessibility datasets
Descriptive Keyword	Above Ground Biomass(AGB), Forest, servircat, icimod-servir, geo-ecosystems (theme) Nepal (place)

Metadata Record Info

Language	Eng
Charset	Utf8
Hierarchy Level	dataset
Date	2025-07-17T11:58:30
Standard Name	North American Profile of ISO 19115:2003

Contact

Name	Mr. Hammad Gilani	Email	metadata@icimod.org
Organization Name	ICIMOD, SERVIR Himalaya	Voice	
Position name	Associate Remote Sensing Specialist	Address	
Role	author		

Identification Info

Title	Above ground biomass (AGB) data in Nepal
Date	2015-09-22
Date Type	publication
Abstract	From the field well distributed circular (750m2 and 500m2), 1124 field plots (0.001% representation of forest cover) measured which were used for estimation AGB (ton/ha) using Sharma et al. (1990) proposed equations for all tree species of Nepal. A satisfactory linear relationship ($AGB = 8.7018 * H_{max} - 101.24$, $R^2 = 0.67$, $RMSE = 7.2$ ton/ha) achieved between maximum canopy height (H_{max}) and AGB (ton/ha).
Purpose	Developed AGB used to produce optimum fuel wood scenarios using population and road accessibility datasets
Status	completed
Charset	Utf8
Topic Category	geoscientificInformation
Spatial Representation Type	grid

Identification Info

Equivalent Scale 5000

Cited Responsible Parties

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Organization Name	ICIMOD	Voice	977-1-5275222
Position name	Associate Remote Sensing Specialist	Address	Nepal
Role	author		

Geographic Extent

Geographic Extent East	88.3904	Geographic Extent West	79.8862
Geographic Extent North	30.5175	Geographic Extent South	26.2307

Resource Maintenance Information

Maintenance and update frequency	AsNeeded
User Defined Maintenance Frequency	
Date of Next Update	

Legal Constraints

Use Limitation	Free to use with attribution to the source. Suggested citation: ICIMOD. (2015). Above ground biomass (AGB) data in Nepal [Data set]. ICIMOD. https://doi.org/10.26066/rds.23172
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Access Constraints	license
Use Constraints	license

Reference System Information

Code	WGS 1984
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Data Quality Info

Hierarchy level	dataset
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Distributor Info

Email	metadata@icimod.org	Organization Name	ICIMOD
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Voice	Position name
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Address	Role	distributor
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Transfer Option

Online Resource	Above Ground Biomass in Nepal (http://geoapps.icimod.org/biomass)
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(<https://doi.org/10.21203/rs.3.rs-4114161/v1>)

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