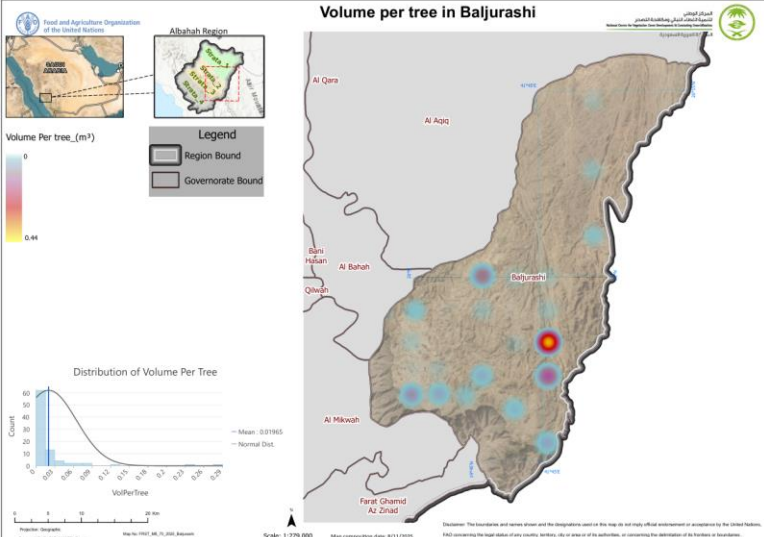# Field Survey of Volume per tree in Baljurashi, Albaha, Saudi Arabia: Spatial and Ecological Dataset

Part 1: Basic Metadata (Mandatory)

1.01   Thumbnail

Prepare small thumbnail that represents this dataset. Create and save thumbnail. Insert thumbnail in the space provided and indicate the file name.

Create and save thumbnail	*Enter file name*

1.02 – Title

Descriptive title for this data. Should provide sufficient information to external users.

Enter Data Title
Tree Volume per Tree Distribution by Governorate in Al Bahah Region, Kingdom of Saudi Arabia

1.03 – Abstract

Provide a short and concise abstract which summarizes what this data is about. Similar to the abstracted provided in a scientific paper.

Enter data abstract
This dataset presents estimates of tree volume per tree across Baljurashi Governorate in the Al Bahah Region of Saudi Arabia. Tree volume is expressed in cubic meters per tree, grouped into categories from low to high volume. Estimates are derived from field-measured DBH values, algometric equations. The dataset supports biomass estimation, carbon stock monitoring, and sustainable forest management in the governorate.

1.04 – Date type

Provide all three type of dates - Creation date, Publication date, and Revision date.

Identification of when a given event occurred	
Creation	*2024*
Publication	*2025*
Revision	*2025*
relevant date	*2024*

1.05 – Group

The group, department or unit to which this data belongs.

Enter group name

Registered Members,
FAO Spatial Data Group,
Natural Resources Management Component NRM - FAO KSA

1.06 – Category	1.07 – Free-text Keywords
Provide one primary category to which this data belong. Select from the list provided. Possible categories related to the SRADP project are highlighted in green color.	*Keywords helps Search Engines such as Google find data requested by users. Use FAO AGRIS to select the most appropriate keywords for this data. To make the data discoverable, provide a minimum of 5 keywords.*
Field declared Mandatory by the Metadata Schema	*A space or comma-separated list of keywords. Use the Widget to select from Hierarchical tree.*
Select one of the following : (highlighted by Yellow)	REQUIRED: Common-use word or phrase used to describe the subject of the data set. *(Provide 5 keyword minimum)*
Imagery Base Maps Earth Cover	*Baljurashi*
Society	*Al*
Economy	*BahahTree*
Utilities Communication	*volume*
Environment	*Biomass*
Oceans	*Carbon*
Biota	*stock*
Health	*Baljurashi*
Elevation	*Vegetation*
Geoscientific Information	*cover*
Planning Cadastre	*Remote*
Inland Waters	*sensing*
Boundaries	*Forestry*
Structure	
Transportation	
Intelligence Military	
Location	
Climatology Meteorology Atmosphere	
Farming	
Population	

Part 2: Location and Licenses (Mandatory)

2.01	Language
Provide data language	
Language used within the dataset	
Enter data language	
English	

2.02	License
Provide the type of license under which this data is published and intended to be used.	
License of the Dataset	
Select one of the following License: (highlighted by Yellow)	
NextView	
Not Specified	
Open Data Commons Open Database License / OSM	
Public Domain	
Public Domain / USG	
Varied / Derived	
Varied / Original	

2.03	Attribution
Identify the entity or agency with authority and responsibility over this data.	
Authority or function assigned, as to a ruler, legislative assembly, delegate, or the like.	
*Field declared Mandatory by the Metadata Schema	
Enter attribution for this data	
This dataset is owned and managed by NCVC. Use requires attribution to FAO and NCVC – Fieldwork Survey, [2024].	

2.04	Regions
Identify the region that the data covers. You can provide several regions.	
Enter global or specific regions	
Albaha	
Baljurashi	

2.05   Data quality statement

Statement on the data quality. This allows any known issue about the data quality to be documented and shared with data user so that they can use the data appropriately.

Provide data quality statement

Data collected through field surveys using GPS devices and standardized ecological sampling methods. Accuracy depends on survey conditions; some areas may lack granularity due to accessibility constraints.

2.06   Restrictions

Indicate any know restriction on this data. You could consideration the following when assessing data restriction:

(1) Exclusive right to the publication, production, or sale of the rights to a literary, musical, or artistic work, or to the use of a commercial print or label, granted by law for a specified period of time to an author, composer, artist, distribution
(2) Rights to financial benefit from and control of distribution of non-tangible property that is a result of creativity
(3) Formal permission to do something
(4) Government has granted exclusive right to make, sell, use or license an invention or discovery
(5) Produced or sold information awaiting a patent
(6) Withheld from general circulation or disclosure
(7) Name, symbol, or other device identifying a product, officially registered and legally restricted to the use of the owner or manufacturer
(8) Other restrictions

Limitations Placed upon the access or use of the data

* Field declared Mandatory by the Metadata Schema

Enter any know data use restriction information

(3) Formal permission to do something

This data can be used for presentation and View, if there is any kind of modification, coordination with the GIS Department in organization's office in Saudi Arabia is required.

2.07　　Other constraints

Identify any other constrains on this data that would be important to document and share with the data users

Enter other constrains on this data

Part 3: Other Data Description (Optional)

3.01   Edition

If the data is linked or resulting from work that has editions, indicate the edition for this dataset.

Version of the cited resource

Enter Edition

Version 1

3.02   DOI

The DOI (Digital Object Identifier) will be assigned by the Metadata Administrator.

DOI will be added by Admin before publication

Create and enter the data DOI

3.03   Purpose

The purpose for which this dataset and related studies were undertaken.

Provide data purpose

This dataset supports biodiversity conservation, ecological research, and sustainable land-use planning. Managed by FAO-KSA in collaboration with the Saudi Ministry of Environment, Water, and Agriculture (MoEWA), it offers granular insights into Albaha's unique ecosystems, aiding policymakers, researchers, and environmental NGOs.

3.04   Maintenance frequency

The frequency for data update.

Frequency with which modifications and deletions are made to the data after it is first produced

Select one of the following : (highlighted by Yellow)

Frequency of maintenance for the data is not known

Data is repeatedly and frequently updated

There are no plans to update the data

Data is updated each day

Data is updated every year

Data is updated as deemed necessary

Data is updated each month

Data is updated every two weeks

Data is updated in intervals that are uneven in duration

Data is updated on weekly basis

Data is updated twice each year

Data is updated every three months

3.05 Spatial representation type

How the spatial data is presented, Method used to represent geographic information in the dataset

Select one of the following : (highlighted by Yellow)
Grid data is used to represent geographic data
Three-dimensional view formed by the intersecting homologous rays of an overlapping pair of image
Textual or tabular data is used to represent the geographic data
Triangulated irregular network
Vector data is used to represent geographic data
Scene from a video recording

3.06 Supplemental information (Remarks)

Provide any additional supplemental information about this data that could help the user when using this data

Enter supplemental information / Remarks
This layer of Agro Climatic Zones can be also clips according to the regions and governorates to identify which of the Zones types among the regions or specific areas.

3.07 Temporal extent Start and End

Provide temporal extent start and end that may have bearing on this data.

Temporal extent start		Temporal extent end	
Date	*Time*	*Date*	*Time*
Enter temporal start date	*Enter temporal start time*	*Enter temporal end date*	*Enter temporal end time*

3.08 Responsible Parties / Point of Contact

Who can be contacted about this data? This is usually the metadata administrator.

Admin Name
Enter Metadata Admin
Dr. Njeru Jeremiah – Chief Technical Advisor of Natural Re Management NRM – FAO KSA
Dr. Ouerchefani, Dalel - TECHNICAL ADVISER, FAOSA
Mr. Gabriel Vincent Sanya - GISRS and Land Cover Mapping Expert -FAOSA
Mr. Haitham Abdullah – GIS Specialist – FAO KSA

3.09 Responsible and Permissions / Owner

Who is the responsible over this data? This is usually the person that led or supported the creation of the data

Data Responsible / Owner

Enter data owner
FAO   *NCVC Geo-Spatial Unit*   *MoEWA*

3.10   Metadata Author
Who is the author of the metadata? This is usually the person that led or supported the creation of the data.
Data Responsible / Owner
Enter Metadata Admin
GIS Department in Food and Agriculture Organization of the United Nations (FAO) in Saudi Arabia

Part 4: Part 4 - Data Attributes (Optional)

4.01   Key data features and attributes

Detailed description of the data layer features and attributes will be provide in a separate custom template for data features and attributes description. Here, the key features and attributes (objects) for this data are provided.

Description of key features and attributes

Attribute / Feature	Description
Enter the attributes of this Layer	*Enter the description of the attributes*
x	*Longitude coordinate of the tree point in decimal degrees (WGS84).*
y	*Latitude coordinate of the tree point in decimal degrees (WGS84).*
VolPerTree	*Estimated tree volume per tree, expressed in cubic meters (m³). Values range between 0 and approximately 1.50 m³ per tree.*
fld_name	*Field name identifier. In this dataset: "VolPerTree".*
fld_title	*Field title for easier interpretation. Here it is defined as "Volume per Tree".*
fld_unit	*Measurement unit used for tree volume. Recorded in cubic meters (m³).*
min_val	*Minimum tree volume per tree observed in the dataset (0 m³).*
max_val	*Maximum tree volume per tree observed in the dataset (about 1.50 m³).*
data_pt (Integer)	*Total number of sampled tree points in the dataset. For this file: 418 points.*
region	*Administrative region name where the data was collected. Here: Al Baha Region.*
country	*Country of data collection. Here: Saudi Arabia.*