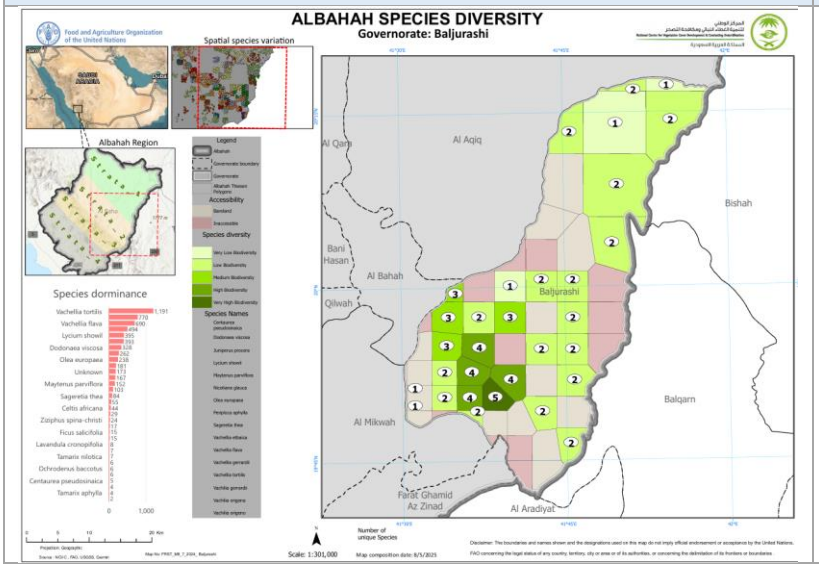
Comprehensive Metadata for Baljurashi in Albaha region species diversity

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

Species Diversity Mapping and Spatial Distribution in Baljurashi Governorate, 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 shows how trees are spread across Baljurashi Governorate in the Al Bahah Region of Saudi Arabia. It measures tree cover as the number of trees per square kilometer and groups them into categories ranging from sparse to dense. The map was created by the FAO together with the National Center for Vegetation Cover (NCVC), using field surveys, satellite data, and GIS analysis. It provides a practical tool for forestry projects, ecological studies, and managing natural resources 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	***2023***
relevant date	***2023***

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 *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.*	**1.07 – Free-text Keywords** *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	***Al Bahah***
Society	***Baljurashi***
Economy	***Forestry***
Utilities Communication	***Biodiversity***
Environment	***Remote***
Oceans	***sensing***
Biota	***FAO***
Health	***NCVCSpecies***
Elevation	***diversity***
Geoscientific Information	***Tree***
Planning Cadastre	***composition***
Inland Waters	***Vegetation***
Boundaries	***cover***
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
Developed by the Geospatial Department of the Food and Agriculture Organization (FAO) of the United Nations in Saudi Arabia in collaboration with the National Center for Vegetation Cover (NCVC). The dataset uses field and spatial data collected under FAO–NCVC forestry monitoring programs. Reproduction, redistribution, or modification requires prior written permission from FAO and NCVC.

2.04 Regions
Identify the region that the data covers. You can provide several regions.
Enter global or specific regions
Al Bahah Region, Kingdom of Saudi Arabia

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

Species data were validated through multi-source verification, including field inventory, herbarium references, and visual interpretation of high-resolution imagery. Accuracy depends on correct field identification and spatial referencing.

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

Users should note that tree density measurements represent averages per polygon and do not capture seasonal or interannual variability.

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

To provide a spatially explicit reference for monitoring vegetation species diversity and composition in Baljurashi, supporting biodiversity assessments, ecological zoning, and restoration planning under FAO–NCVC collaboration.

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

- *Attributes include species name, family, diversity index, and location coordinates.*
- *Field data collected using FAO/NCVC plot forms and GPS devices.*
- *Diversity values are expressed using standardized ecological indices (H' and D).*
- *CRS: WGS 1984 UTM Zone 37N.*

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*
OBJECTID_1	*Unique identifier for each observation record*
Join_Count	*Count of associated spatial features joined during spatial analysis*
TARGET_FID	*Reference ID for input feature linkage*
Shape_Leng	*Perimeter length of the sampling polygon*
Input_FID	*Original field observation ID*
SppName	*Scientific name of the identified species*
SppFamily	*Taxonomic family of the species*
Species_Count	*Total number of species observed within a plot*
Diversity_Index_H	*Shannon-Wiener diversity index*
Simpson_Index_D	*Simpson's diversity index (dominance measure)*
Latitude / Longitude	*Geographic coordinates of observation points*
Elevation_m	*Elevation of sampling location in meters*
Region	*Administrative region (Al Bahah)*
Governorate	*Governorate name (Baljurashi)*
Collector_Name	*Field team or data recorder*
Date_Collected	*Date of field observation*
fromThie_1	*Link reference to related spatial layer (Thiessen polygons)*
Thiese_i_1	*Thiessen ID for spatial interpolation*
ORIG_FID	*Original feature identifier in source data*
Remarks	*Notes on habitat condition, phenology, or verification status*