

The 2021 land cover map of Alto Hama, Angola has been developed as part of the process of land degradation assessment in the area from 2001 to 2021. A stratified random sampling by land cover class was used for training data collection in Collect Earth Online (CEO). Land cover legend classes are prepared using LCML/LCCS v3. A temporal segmentation has been applied to Landsat image collections over the area of interest using the continuous change detection and classification (CCDC) algorithm in SEPAL platform. CCDC slice for 1 July 2021 has been used to generate the 2021 land cover map of Alto Hama by using a random forest classification algorithm in Google Earth Engine (GEE).

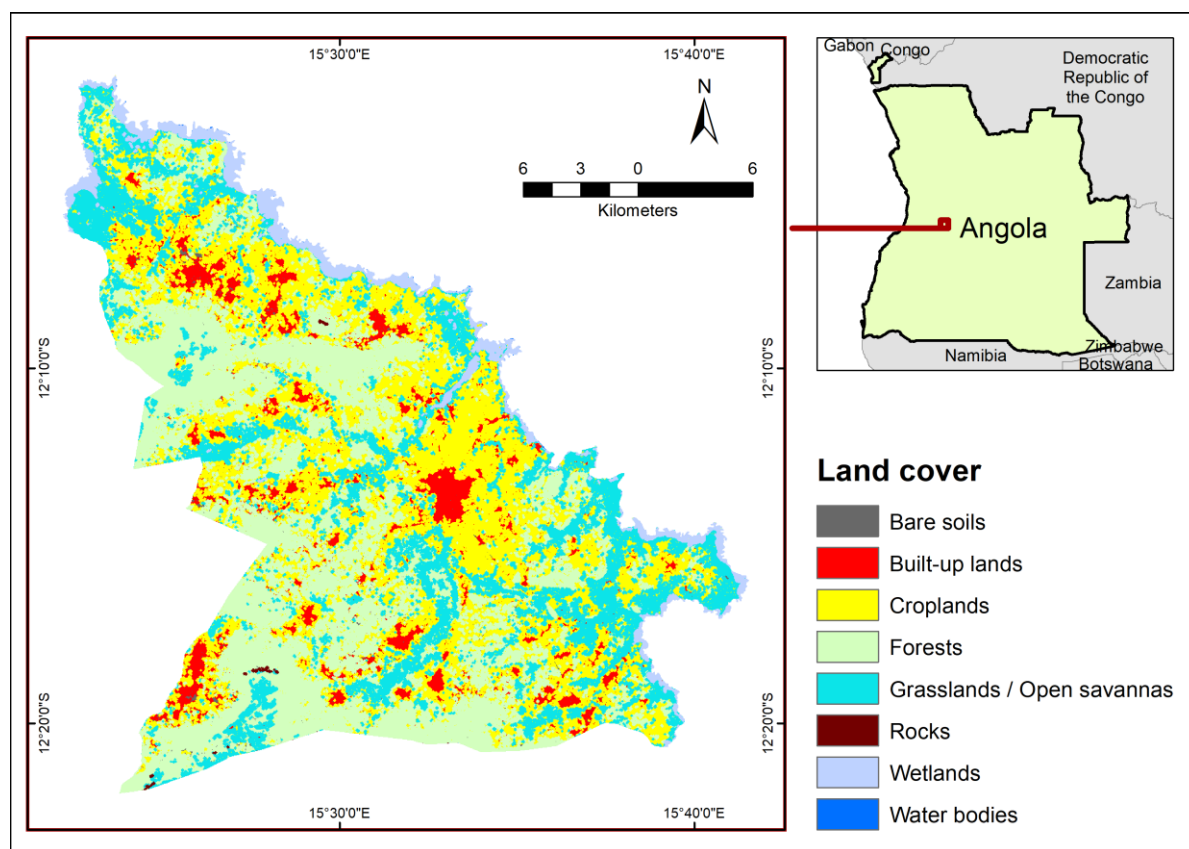


Figure 1: 2021 land cover map of Alto Hama, Angola¹

Table 1: 2021 land cover area statistics

Land cover class	Area (km ²)	Area (%)
Bare soils	2	0.33
Built-up lands	34	6
Croplands	201	32
Forests	220	35
Grasslands / Open savannas	136	22
Rocks	1	0.09
Wetlands	27	4
Water bodies	0.12	0.02
Total	620	100

Key Findings

Dominant land cover classes observed in 2021 (top three) are:

1. Forests (35%),
2. Croplands (32%),
3. Grasslands / Open savannas (22%).

Prepared by Rashed Jalal, Jose Caela, Leonardo Monteiro, Cesar Pakissi, Fatima Mushtaq, Amit Ghosh, Gianluca Franceschini, Shrijwal Adhikari and Matieu Henry in support to Sustainable Land Management in target landscapes of Central Angola (GCP/ANG/055/GFF), Food and Agriculture Organization of United Nations, Rome, Italy.

¹ GAUL 2015. The boundaries and names shown, and the designations used on these map(s) do not express any opinion whatsoever on the part of FAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers and boundaries. Dashed lines on maps represent approximate border lines for which there may not yet be full agreement.