Using an integrated multi-scale structure to characterize landscape utilization and conservation status of African savanna elephant

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INTRO

A lot of efforts have been investigated into elephant tracking and census. National-level analysis, however, is lacking due to multiple reasons. In this project, a detailed description of landscape utilization was made by using a very high-resolution land cover map.









Climate Vegetation Density-based anthropological impacts Topography features

Occurrence



Optimal scale





Windowed features

1km -> 10km

Bayes fusion



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• In Tanzania, elephants like fragmented and mosaic landscapes. The availability of trees is critical for elephants' survival. Small patches have the potential to host more population.

