**Prioritization of Grasslands in Alfred Nzo (2022)**

**Objective**

To identify and prioritize grassland areas most at risk from human activity (built-up and cultivated land) using the 2022 National Land Cover dataset in QGIS. The results will support local biodiversity conservation and land-use planning.

**Method Summary**

* Extracted grassland, cultivated, and built-up areas from the 2022 SA Land Cover raster
* Reclassified cultivated and built-up into binary rasters
* Used the Proximity (Distance) tool to generate distance rasters
* Summed the distances and masked with grassland
* Normalized the result from 0 (high risk) to 1 (low risk)
* Final raster styled with red–green ramp for visual clarity

**Focus Area**

Alfred Nzo District Municipality, Eastern Cape

**Tools Used**

* QGIS 3.42.3 (Münster)
* Raster Calculator
* Proximity (Distance) Tool
* SA National Land Cover 2022 dataset
* SA Administrative Boundaries
* Google Earth (for place names)



