Utilizing Open Source Geospatial Technologies to Map Communal Land Rights in Kenya.

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SUMMARY

The research project in Bomet County, Kenya, aimed to map communal land rights using Open Source Geospatial Technologies. The research project involved a participatory mapping approach, involving local communities in gathering data on communal land boundaries and tenure arrangements. PostgreSQL was used for spatial database design and efficient storage, while QGIS provided spatial analysis tools and map production. STDM tool was used to customize, integrate and document communal land rights in a standardized manner, identifying potential challenges and opportunities for land governance. The project demonstrated the potential of Open Source Geospatial Technologies in mapping communal land rights, empowering local communities by promoting their land tenure security, and improving community land governance. The findings can support informed decision-making, policy formulation, and dispute resolution related to communal land rights.

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