

The Need for an Open Geospatial Data Platform for Smart City Development in Lagos, Nigeria

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SUMMARY

The emergence of smart cities is drastically changing urban environments all over the world by utilizing technology to improve urban service efficiency and quality of life. In the context of Lagos, Nigeria, a burgeoning megacity, the implementation of smart city initiatives is critical to addressing its unique urban challenges. Central to this transformation is the availability and accessibility of geospatial data. This paper argues for the establishment of an open geospatial data platform in Lagos, highlighting its potential to foster innovation, improve urban planning, enhance public services, promote transparency, and engage citizens. The study reviews current urban challenges in Lagos, examines the role of open geospatial data in smart city development, and proposes a framework for the implementation of an open geospatial data platform through the use of the Esri ArcGIS Web Mapping Application, incorporating transport & mobility data, wetlands, flood and housing data, and control network data.

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