Review of: "Analyzing the nexus between Spatial Data Infrastructure Development and e-Government"

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Potential competing interests: No potential competing interests to declare.

The paper under consideration explores the development of the National Spatial Data Infrastructure (NSDI) in Zimbabwe and offers recommendations for the establishment of spatial data infrastructures (SDIs) to enhance e-Government services. While the topic is indeed relevant and significant in the context of modern governance, it is important to address certain areas in the paper to ensure it makes a substantial scientific contribution to the research community. This review provides constructive feedback and suggestions to strengthen the paper.

1. State of the Art: It is advisable to include a comprehensive State of the Art section within the paper. This section should delve into existing research on SDIs and e-Government services, particularly highlighting successful models such as INSPIRE (Infrastructure for Spatial Information in Europe). By drawing from established practices and lessons learned in other regions, the paper can establish a stronger foundation for its recommendations and provide valuable insights for policymakers and practitioners.

2. Geographic Web Services: The paper should devote a substantial portion of the research to discuss the role of the Open Geospatial Consortium (OGC) Web Services, which form a vital part of Geographic Web Services. Detailing the functionalities and significance of these services would provide a more comprehensive understanding of how technology and geospatial data can be leveraged in e-Government initiatives.

3. Database Management System: To further enrich the analysis, the paper should elaborate on the database management systems (DBMS) employed within SDIs. Discussing the choice of DBMS, data modeling, data quality assurance, and data sharing mechanisms will add depth to the research and aid in practical implementation.

4. Clarification on Figures: Figures 2 and 3, which are identified as "Map navigation tool on Government of Zimbabwe Web Portal," are actually screenshots from Google Maps. It is imperative for the author to clarify whether these figures are intended for inclusion in the paper as planned, or if there is a different intention. If they are to be used, it is essential to ensure that proper permissions and attributions are obtained.

In conclusion, the paper sets the stage for an important area of research that has the potential to drive advancements in e-Government services. The author should be encouraged to further explore this field by addressing the aforementioned points, incorporating relevant literature, and potentially conducting empirical studies to validate the proposed recommendations. Additionally, the paper could benefit from exploring the challenges and barriers faced in implementing SDIs for e-Government services in a country like Zimbabwe, as well as suggesting potential solutions.