

Web-based Cadastral Information System for Land ManagementManagement

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Key words: Access to land; Cadastre; Digital cadastre; e-Governance; Land management; Security of tenure

SUMMARY

Data and information (Cadastre inclusive) about land, land use and land ownership are scattered among different actors. The managers and resources necessary for the management of such data and information are distributed across several professionals, and the various users of the above lies at different locations. Web technology has become an important technology in attaining and ensuring better interoperability, accessibility and scalability on a large scale. Leveraging the potentials of the web with cadastral information management is the purpose of this research. This work describes a research and analysis into the current cadastral information management process of Ekiti State, Nigeria. A web-based prototype of the above was proposed, designed and developed as a modification to the existing system. The development of the prototype was guided by the research conducted into the choice of system, software and required functionalities for the proposed “Web-based Cadastral Information System”. During the research, it was discovered that while 73.68% of public users prefer the use of web browsers to access cadastral information, 71.43% of professional users prefer the use of a web enabled application. While 41% of professional users like to access information about land on the web, only 2.56% will like to interact with their clients using the web. The overall result of the process describes the indispensability of web-based cadastral information management system in ensuring a much more informative and users’ participatory cadastral information system for land management. Opportunities for further research, such as; building web-based tools with less intensive internet connectivity, developing or contributing to existing Web-enabled applications for land management by Professionals was identified.