Vietnam National Land Information System in e-Government Architecture

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SUMMARY

The completeness of policy for utilising information technology to develop measures and tools for the requirements of sustainable development and international integration is one of the most important indexes of every government. Vietnam is not in an exceptional trend. Recently, the government of Vietnam has concentrated on promoting the mentioned-policy through the development of e-government to improve the effectiveness and efficiency of state authorities and public organisations and to serve citizens and businesses in a better manner. Of the activities, it is necessary to establish an e-government architecture towards the digital economy. The architecture will firstly support to improve the capacity and effectiveness of the government agencies and later enhance the trust of individuals to their government. The national land database has been considered and approved as one of the five national databases that are prioritized to develop as foundation databases for e-government development in the country. This paper describes the architecture of the National Land Information System (NLIS), which has been designed and built in a centralization model in the overall e-government architecture of Vietnam. Technically, the NLIS includes a national land database, a national land information portal and a unified electronic land registration system throughout the country. It should be designed to ensure the connection to and share data with other information systems in a unified framework. In addition, should be designed to support updating land data and information promptly and accurately. The NLIS must also ensure its safety and security as well as the reliability of electronic transactions. The master plan for completion of NLIS has been proposed in this paper, initially for the forthcoming period of 2018-2020 with the vision to complete by 2025 to serve the nationwide spatially enabled society in the context of the Industrial Revolution 4.0.
