

Utilization and Prospects of the Cadastral Spatial Information

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Key words: Cadastre; Digital cadastre; Geoinformation/GI; cadastral spatial information; two dimensional cadastral system; three dimensional cadastral system; utilization; prospect

SUMMARY

Modern cadastral system of South Korea has been to start a land survey business in 1910, it has maintained, and managed until now to more than 100 years have passed. In addition, cadastral public books system, figure information and attribute information is separated is composed of a dual structure that maps and books. And, the current cadastral system still the cadastral computerization project is completed, is in the form of providing a planar simple information related to the land. Thus, because it has a lot of problems to manage the new land use, it is a reality that the improvements and changes cadastral business related systems is required. Currently is a time when so many of the spatial information is generated, now of cadastral public books that has the only two-dimensional information limit exists to treat a variety of information about land information. Cadastral spatial information that includes a three-dimensional data, as the information is closely related to the ownership, is very high potential leverage value. Recently, in order to realistically reflect the human life space and rights related, three-dimensional cadastral system has been actively discussed, creating added value using three-dimensional cadastral system is greatly expected. However, cadastral spatial information visualization to support the intuitive thinking and rapid decision-making is a situation that systematic measures are insufficient. Therefore, in this paper, we provide an effective utilization and business prospects of cadastral spatial information on the integration of the existing two-dimensional cadastral information and the three-dimensional cadastral information.