

Institutional Aspects of 3D Cadastres

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ABSTRACT

Unlike other geographical information systems, where physical attributes to land are recorded, cadastres register rights to land and consequently are dependent on the institutions in which they have to operate. Without appropriate legal frameworks and transparent public-administrative structures, cadastres cannot operate properly. To perform the cadastral tasks of determining, recording and dissemination of information on land in a 3D situation, the development of adequate geometric 3D descriptions should therefore go together with the development of institutional conditions. It is argued that the use of 3D rights to land is possible thanks to appropriate 3D geometric description technology. The paper aims for analyzing the current situation and seeks to define some recommendations regarding future developments.

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