

GEOGRAPHICAL INFORMATION SYSTEMS AND THE DURABLE CONSTRUCTION OF URBAN AND RURAL ENVIRONMENTS

Carmen RĂDUȚ

"Constantin Brâncoveanu" University, Nicolae Balcescu 39, Râmnicu Vâlcea, Romania,
c_radut@yahoo.com

Abstract

The idea of basis is the present condition and developing trend of cadastral management Valcea. The paper expatiates on the construction status of the Cadastral Management Information System on Integration of Urban and Rural area of Valcea. For a long time, urban and rural area is managed separately, and their database is established respectively, so it's very hard to update data synchronously. These problems can't be solved until cadastral management information system is established, which also makes cadastral product accord with new land classification system of urban and rural integration. Several issues are discussed: the objective, idea, principle of system design, the hardware and software environment, overall framework design, cadastral database structure design and function design.

Keywords: Geographical Informatics Systems, Database, Cadastral Management Information System.

REFERENCES

- Bai, H., Xu, X. and WANG, X. (2005). Research and development of the multipurpose model for the information system of cadastre. *Journal of Dalian University*, pp. 1-4.
- Ma, G. and Ding, H. (2003). Some Key Technology Study about Cadastre Information System Construction of Urban and Rural of Nanjing. *Modern Surveying and Mapping*, pp.12-14.
- Yang, Y. and Guo, D. (2005). Spatio-temporal data model of urban and rural integrated cadastral information system. *Jour. of Northwest Sci-Tech Univ. of Agri. and For.* (N at. Sci. Ed.), pp. 75-78.
- Burrough, P. A. (1992). *Principles of Geographical Information Systems for Land Resources Assessment*. Oxford University Press, pp. 13-38.
- Han, W. (2004). *Study on Establishing the Cadastral Database Based on Urban and Rural Cadastre United Management*. Environmental & Resources Sciences of Zhejiang University.
- Jankowski, P. (1995). *Integration geographical information systems and multiple criteria decision-making methods*. Int. J. Geographical Information Systems.
- Piotr, C. (2006). Digital cadastral maps in land information systems University of Mining and Metallurgy, Krakow, Poland. Retrieved August 15, 2009, from <http://www.kb.nl/infolev/liber/articles/cicho30-11.html>
- Răduț, C. and Chițu, R. (2009). Geographical Informatic Systems and Urban Management, *Theoretical and Empirical Researches in Urban Management*, 2(11), pp. 105-111.