

Quality Improvements of the Cadastral Information in Sweden

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SUMMARY

Lantmäteriet (National Land Survey of Sweden) is a governmental agency which gives support for creating an efficient and sustainable use of Sweden's real property, land and water. The organisation comprises three main activities, which also form the organisational structure: - Cadastral Services - Land and Geographic Information Services - Metria, which is working on a competitive and commercial basis. Land and Geographic Information Services include the analysis and establishment of demands and needs of geographic and real property information in society. It also includes the efficient collection, storage and administration of such information. The Cadastral Information in Sweden consists mainly of two parts; The Real Property Register, which is the description of the cadastral data in a text format and the Cadastral Index Map, which is the geographic representation of the cadastral data. These two parts are closely connected in an integrated system.

During the last years and due to the possibilities created by the rapid development of the IT-systems the demands of the system have increased dramatically. Demands on dissemination, from partners and the market but also from the society have pushed on the development of dissemination systems. But only the technical solutions are not enough to meet the users' requirements. A good quality data is also important element of a "well working" Land Information System. Data sets have to meet users' requirements for: - Content - Actuality - Completeness - Correctness - Structure. A project called ALBIN has been implemented in order to improve the quality in the Real Property Register and the Cadastral Index Map. More than 50 persons are involved in this work which will last for more than three years and will have a cost of more than 10,000,000 €. The project consists of four subprojects: - Geometry improvement of the Real Property Information in urban areas. - Real Property Pattern – Complete and correct representation - Rights – Complete and correct representation - Development of methods for geometry improvement of the Real Property Information in rural areas. Despite the effort and the costs the overall evaluation is that the whole undertaking is worth to proceed. It is well known that good Spatial Data Infrastructure brings economic growth and wealth into a nation. A decisive condition for reaching these benefits is the development of a dissemination system that will facilitate the different users to have access to Real Property Information but also data that fulfil their requirements and have a good quality.

BIOGRAPHICAL NOTES

Christos Papadopoulos is a GIS expert. He has been working within NLS since 2001. Since last year he is working as a system manager for the new National Cadastral Index Map of Sweden.

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