

The Cadastre as a Cornerstone in the Information Society Infrastructure

Arvo KOKKONEN and Matti VAHALA, Finland

Key words: Cadastre, Base Register, LIS, Information Society Infrastructure.

ABSTRACT

The Base Registers in Finland are national information systems that identify the basic units of society. These basic units include persons, corporations, buildings and real estate. The Base Registers contain information concerning these basic units, information that is of vital importance to individuals and to society at large. Each register describes the state of the basic unit, as well as events which may have caused this state to change. Characteristics of the Base Registers include broad coverage, reliability, versatility and data protection. Another characteristic is that they have been prescribed by law.

Persons and corporations are linked to buildings by identifiers, as are buildings to real estate units. These integration possibilities provide an opportunity to use data in many combinations. One demonstration of possible applications is the census. From 1985 onwards, censuses have been carried out by the Base Registers without any data collection using forms. It is possible to use up-to-date data from the Base Registers at all times. Because all persons and corporations have been linked to buildings that have coordinates, it is possible to do very detailed spatial analyses of socioeconomic data. The analyses can be made without being based on administrative area divisions.

The role of the is fundamental for the integration of Base Register data. The identifiers for buildings, dwellings and places of business are derived from the real estate unit identifier. The Cadastre also provides data on administrative divisions.

The information systems of the Base Registers have been renewed over the last few years. The second generation of the Cadastre is now under construction. The work includes widening of the data contents with a spatial description of cadastral units. The construction provides improved possibilities to integrate cadastral and other Base Register data with geographical data.

CONTACT

Arvo Kokkonen
Deputy Director General, Cadastre
P.O. Box 84
FIN-00521 Helsinki
FINLAND
Tel + 358 20541 5400
Fax + 358 20541 5005
E-mail: arvo.kokkonen@nls.fi

JS13 Spatial Information and Cadastre
Arvo Kokkonen and Matti Vahala
Cadastre as a Cornerstone in the Information Society Infrastructure

Matti Vahala
National Land Survey of Finland
Senior Advisor
P.O. Box 84
FIN-00521 Helsinki
FINLAND
Tel + 358 20541 5420
Fax + 358 20541 5005
E-mail: matti.vahala@nls.fi

JS13 Spatial Information and Cadastre
Arvo Kokkonen and Matti Vahala
Cadastre as a Cornerstone in the Information Society Infrastructure

FIG XXII International Congress
Washington, D.C. USA, April 19-26 2002