The Development Strategy for Cadastre and Land Register in Finland

Arvo Kokkonen
Ministry of Agriculture and Forestry

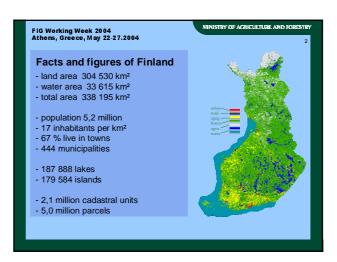
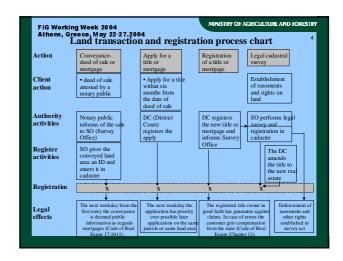


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Characteristics of LA in Finland

Main systems: Cadastre and Land Register
Cadastre is updated by the NLS (98 % of territory) and by 86 municipals (2 % of territory)
Land Register is updated by district courts
Conveyances are attested by notaries public
It is obligatory to apply for a title of a conveyance
Transfers of part are first titled, the survey starts then automatically

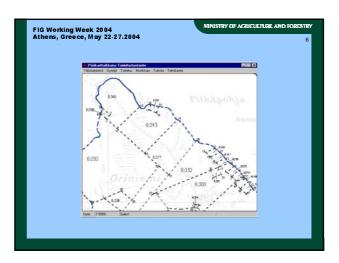


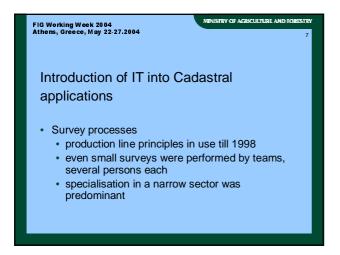
Introduction of IT into Cadastral applications

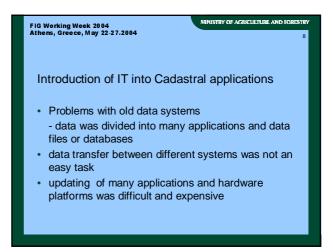
A start to transfer Cadastre into computer in the late 1970's at the NLS

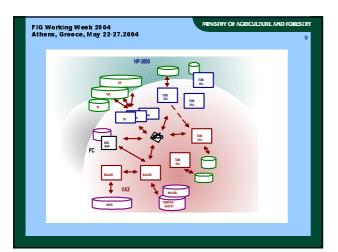
A start was made in 1985 to digitise the cadastral index map at NLS

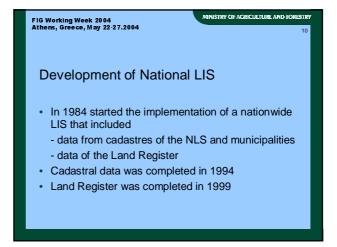
The most advanced municipalities followed the same trends but a little bit later than the NLS

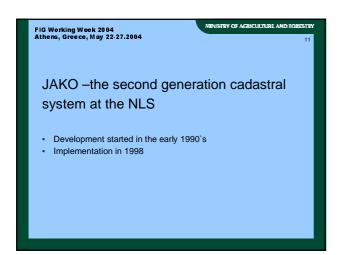








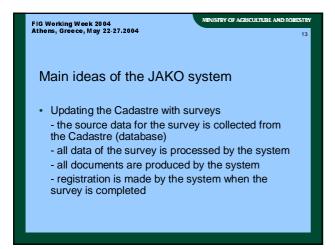


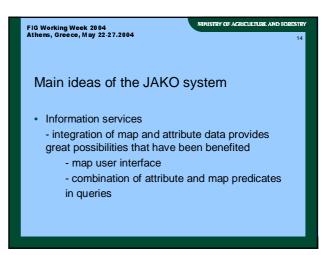


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Main ideas of the JAKO system

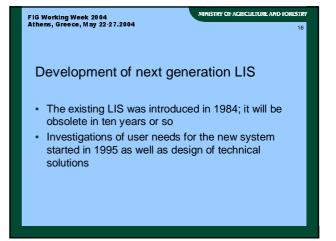
One seamless database including
- cadastral attribute data
- cadastral map data
- survey management data
- basemaps (raster data)





Experiments of the JAKO system

Technically the system has functioned satisfactorily
The system is sophisticated; familiarisation of the staff has taken more time than expected
New work processes require more extensive knowledge of the survey than earlier



User needs for the new LIS

Map shall be added in the data contents
Better description of land use rights and restrictions
Better updated data on ownership
Access to building data
Easy access by the Internet

Proposed technical solutions

The LIS would be renewed in two phases
only the renewal of cadastral part would provide all needed features set by users
the renewal of the Land Register part would be postponed some years
the JAKO system would be cheapest and fastest feasible solution in realisation of the cadastral part of the system
using the JAKO system would be the easiest way to solve problems arising when updating data from municipal surveys

Reconciling interests of the state and municipalities

Municipalities liked to use their existing systems in surveys

updating of data from municipalities by using messages only has not been solved (updating of topology)

municipalities liked to be real registrars and perform the update of the register independently

new working groups were established in order to reconcile the interests

it was evident that also legislative means must be used in order to safeguard a functioning result

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Development of legislation

The establishment of the LIS system in 1984 was made without any law on the system
The importance of the system for the society is great and responsibilities of parties must be clear

The main features of the law on LIS

The state is responsible for the implementation and maintenance of the system

The act must contribute to the reliability of the data in the LIS

Administration, development and data services of the system belongs to the NLS

Data of the system is public but personal data must be protected

The law has been valid from January 1, 2003

Amendments of the law on the Cadastre

Digital Cadastral Index Map will be part of the Cadastre

Data producers are liable for map errors as far as topology is concerned

The cadastral part of the LIS is the only official Cadastre

87 decentralised cadastres cease their existing status

The amendment will come into force June 1, 2005

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Solutions of the new LIS

The renewal will be started by rebuilding of the cadastral part of the system by June 1, 2005

The existing LIS's cadastral part will survive as a parallel technical system till the Land Register part will be renewed

