

New Tools and Processes for Land Consolidation

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ABSTRACT

This paper describes the development of land consolidation activities in Finland.

Demand for land consolidation services in Finland has increased recently. The main reasons for this are:

1. the fragmentation of farms in connection with their rapid growth in size has become a problem, and
2. experience gained in implementing nature-conservation or road-safety programs with new kinds of land rearrangements has been promising.

From the customers' point of view, the main problems in land consolidation projects have been:

3. the long duration of the projects, and
4. the fact that little information about the land consolidation plan is available at the beginning of a project when the decision to carry the project out is made.

The solution to these problems is development of the land consolidation process, and is connected with the implementation of JAKO/VLC, a new application within JAKOcadastre, the Finnish Cadastral Information System. This new application consists of tools for the valuation of land and land consolidation. The main features of this new application are:

5. improved possibilities for using orthophotos and existing topographic and cadastral data in the inventory phase of land consolidation projects,
6. the possibility of handling financial compensations during the planning phase of the projects, and
7. automatic tools for designing new boundaries.

The new tools make it possible to develop the land consolidation process to improve the service offered to customers.

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