

Country Profile

Mr. Markku Markkula March 16, 2017 Delft National Land Survey of Finland



Statistics of Finland

- □ 5,4 million inhabitants
- □ 15,8 inhabitants per km²(40,5 per square mile)
- □ 2,7 million real estate units
- 2,6 million building and dwellings
- o,6 million enterprises and corporations
- □ 3,7 million vehicles





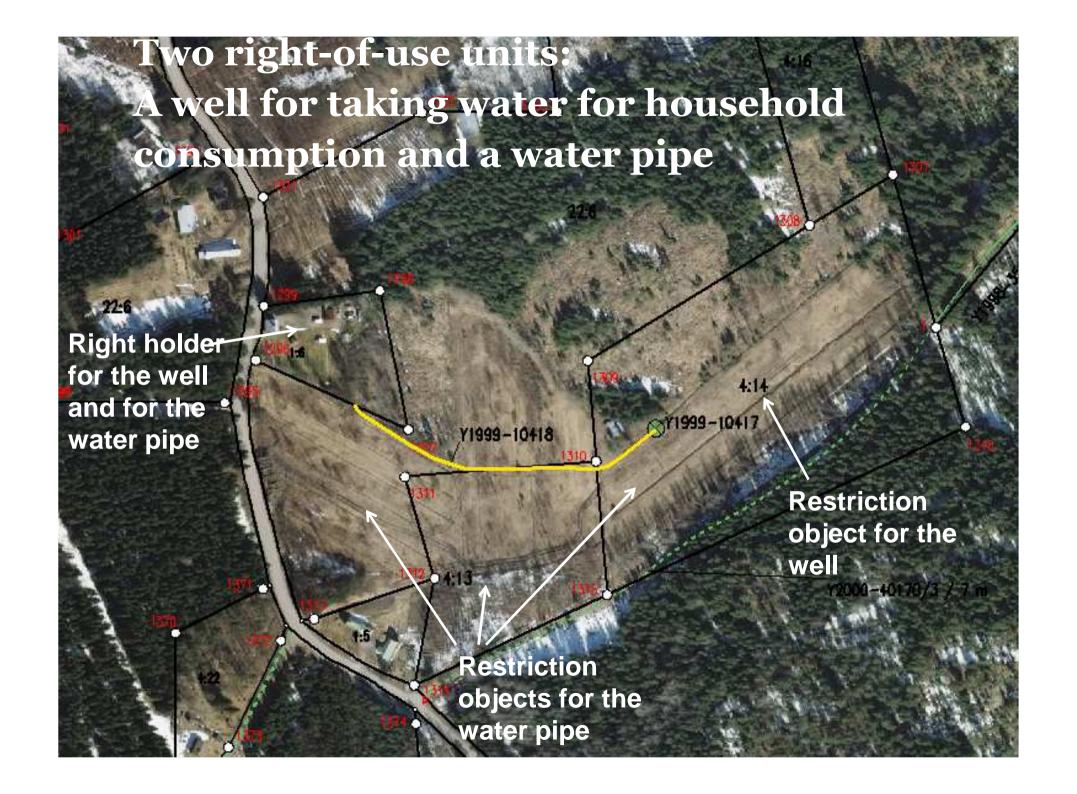
ISO/LADM shortly

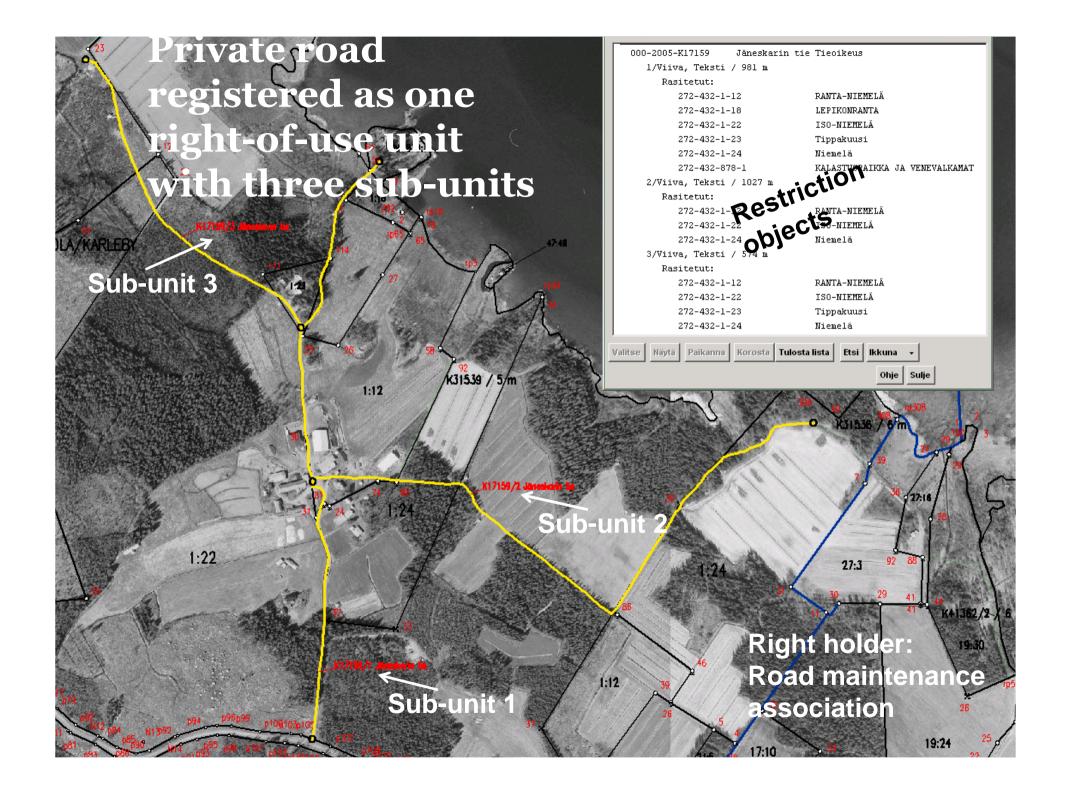
- □ ISO work (19152) where the objective is to provide an international standard for the information used in the land administration domain
- □ Tries to provide a terminology for land administration, to provide a basis for the development of systems and to enable communication by using a jointly shared vocabulary
- Conceptual schema which consists of object which models parties, basic administrative units and spatial units and rights, responsibilities and restrictions
- □ Party data, address data, valuation data, land use data, archive data and taxation data are outside the scope



Backgrounds of Finnish cadastre shortly

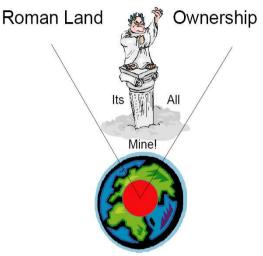
- □ In Finland all cadastral information both map and attribute data are registered in one integral object-oriented database (started 1998, renewed 2005) managed by the National Land Survey
- □ The main objects in the cadastre include basic property units and right-of-use units with the geometry related to them. Basic property unit is the basic unit of registration and it can consist of none, one or many parcels
- □ Since the beginning of 2010 the National Land Survey has been responsible for registering titles and mortgages
- To summarize: LADM supports the idea of administrative units with unique identifiers. It does not directly support legally registered relationships between different types of administrative units but favours geometry overlay.





SOME VIEWS

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- Right of Use –units are important for Finnish Cadastral System (=Property – to – Property –rights)
- Person (party) to Property Rights are not mainly included in Cadaster



Future Cadastre 2035

- Accurate, Coordinate-based, Digitized
- Ubiquitous; incl. all easements, right of ways etc.
- Integrated
- 3-5 dimensioned
- Crowdsourcing, Internet of Things (IoT) Smart Cities
- Building Information Modelling BIM, Laser Scanning
- Utility Mapping digital underground visualisations
- Open Access balanced with individual privacy



(source: Lesley Arnold WB 2016 Washington D.C.)



Thank you!

