

# Country report

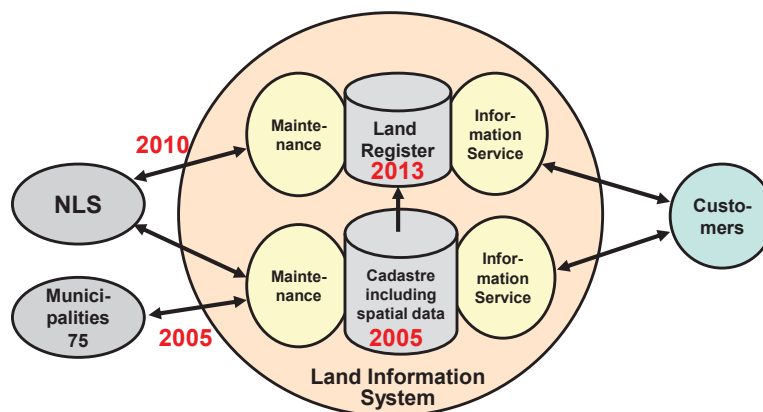
## News from the Cadastre in Finland

Ari Tella  
24.10.2016

FIG Commission 7 Annual Meeting, Coimbra Portugal

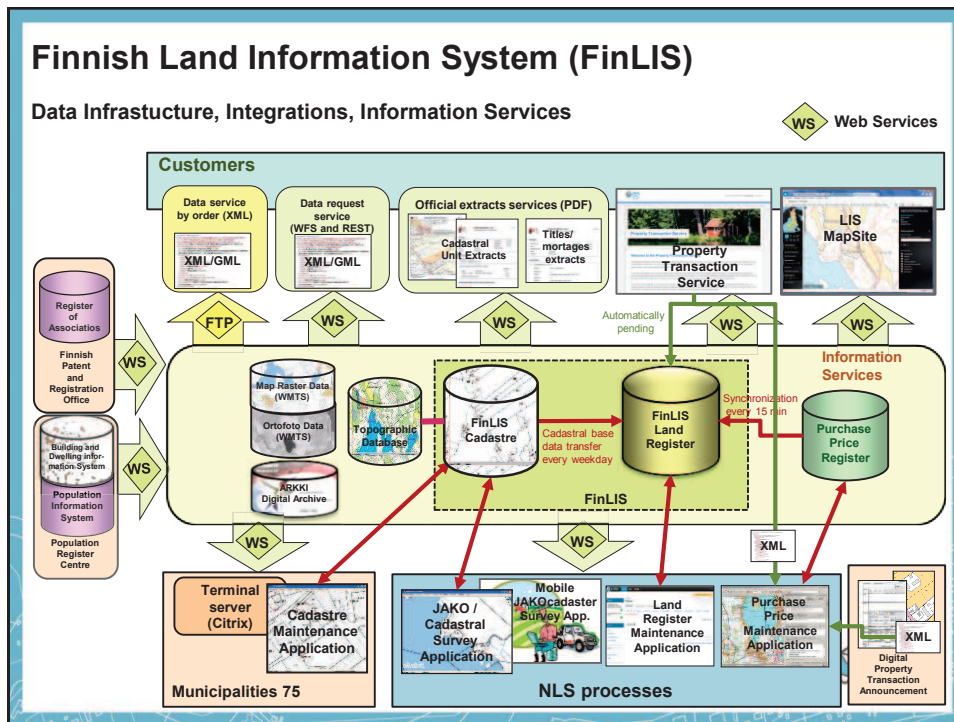


## The Land Information System



Totally digitized processes in cadastre maintenance and information services





## Strategic key development areas

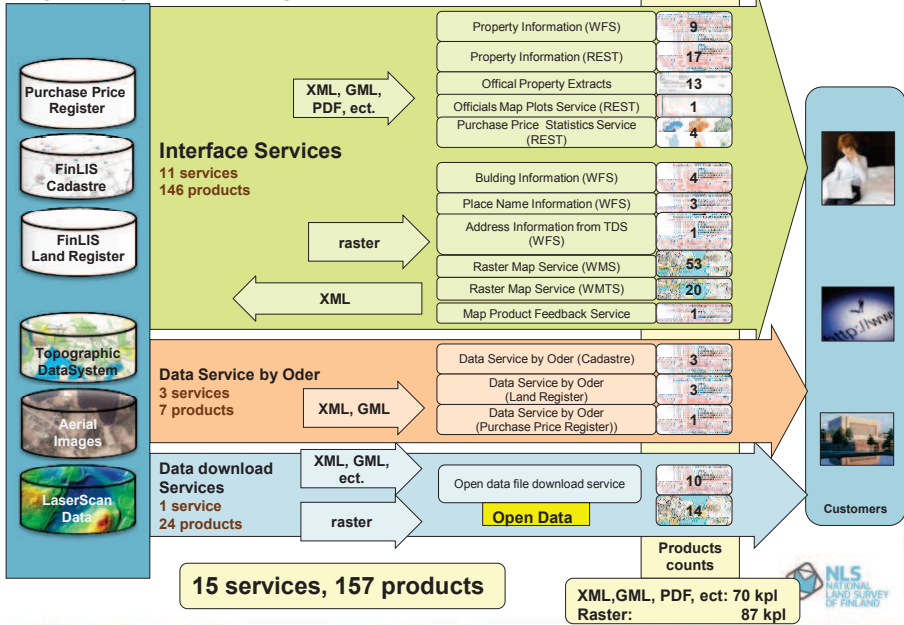
- eServices
  - Bidirectional eServices project
  - Increasing the use of the Property Transaction Service
- Effective use of spatial data
- Cadastre
  - Development of existing cadastre
  - A new cadastral system, Cadastre 2035
- Computerised register of apartments
  - New register for condominiums

# eServices

- Two-way services
- Electronic Property Transaction



## NLS Digital Web Service (chargeable ja free of charge)



## What can you do with the NLS Two-way services ? <sup>7</sup>

Future

Maanmittauslaitoksen palveluportaali

Pä swenska | Samegiella | In English  
Kirjautunut: Jukka Mallila

Kaikki kiinteistösi | Toimenpidearkisto

Uusi toimenpidepyyntö

Anna valtuutus | Tee kiinteistökauppa

Kiinteistösi

kiinteistön nimi tai tunnus:  Hae

Nimi	Kunta	Tunnus
Sotkoperä	Oulu	643-433-87-8
A Kuutamola	Oulu	645-443-32-8
Mallila	Oulu	632-421-43-5
B Ylä-Mannerla	Lahne	796-576-32-5
C Mäkelä	Muhos	494-402-19-41

Vireillä olevat toimenpiteet

- Lohkominen, 2014-406340  
Mäkelä 494-402-19-41, Oulu
- Vesijätömaan lunastus, 2014-687940  
Kuutamola 654-43-32-8, Oulu
- Tilusjärjestely, 2011-897546  
Sotkoperä 643-433-87-8, Oulu



## What can you do with the NLS Two-way services ?

Future

- Check all the basic information of your own real properties
- Activate cadastral and legal survey operations
- Take part on legal surveys and cadastral operations via web
- See all the current activities going on
- Download free: topomaps, historical maps, aerial & laser scanned data
- Order NLS products like registry certificates, printed maps, ..



## Connection to national Service Architecture gateway

**Omat tietoni**

**Henkilötietoni**

Kumpulainen, Paulina Johanna  
010180-8358

**Kotikunta:** VHS  
**Puhelin:** Kumpulainen, Matti Johannes,  
120978-358  
**Lapsi:** Kumpulainen, Onni Mattias,  
316814658

**Kiinteistöni**

**Kiinteistön tunnus:** 123-456-78-90  
**Kunta:** VHS  
**Omistamustyyppi:** Omistaja  
**Omistusaikaa:** 15

**Ajoneuvoni**

Olet seurain ajoneuvon haltija:

**Ajoneuvo:** HHT-323  
Nissan Micra  
VM, 2006  
**Omistaja:** Kumpulainen, Matti Johannes  
**Ajoneuvovero**

**Muistutukset ja viestit**

**Muistutukseni ja viestini**

**Viimeksi käytetyt palvelut**

**NLS NATIONAL LAND SURVEY OF FINLAND**

**Future**

## Electronic Property Transaction System in Finland

**Now**

In brief

- Web-based application which enables electronic transactions related to real estate conveyance
- One ICT-service which includes both real estate transaction and mortgage management systems
- Service was launched in November 2013
- Service provided by National Land Survey of Finland

## Electronic Property Transaction System in Finland

Now

### Barriers to implementation

- Use is not required in legislation
  - "Paper process" can still be used (attesting notaries & applications of mortgages)
- Real estate brokers are still required to archive paper forms
- Loan related papers are stored in vaults
- ~ 3.5 million paper mortgage deeds

### Next developments

- Agreements with banks have been made to boost the use
- Applications of mortgages allowed only digitally in 2017

Future



## Effective use of spatial data

- New Topographical Data System in cooperation with municipalities



# Cadastral

- Development of existing cadastral
  - A new cadastral system



## Development of existing cadastral

- 3D properties, 2017
- Scanning of all microfilms, 2017-2019
- Pilot of customer process using LEAN: connecting property transaction, title registration and survey proceedings, 2017
- Replace survey map about printout from the cadastral map
- ...





## A new cadastral system

- Research project Catastre2035, 2018
- Research into coordinate based cadastre

## Future Cadastre

- Accurate, Coordinate-based, Digitised
- Ubiquitous; incl. all easements, right of ways etc.
- Integrated
- 3–4 dimensioned
- Crowdsourcing, internet of things – smart cities
- Building Information Modelling BIM
- Utility Mapping – digital underground visualisations
- Open Access – balanced with individual privacy



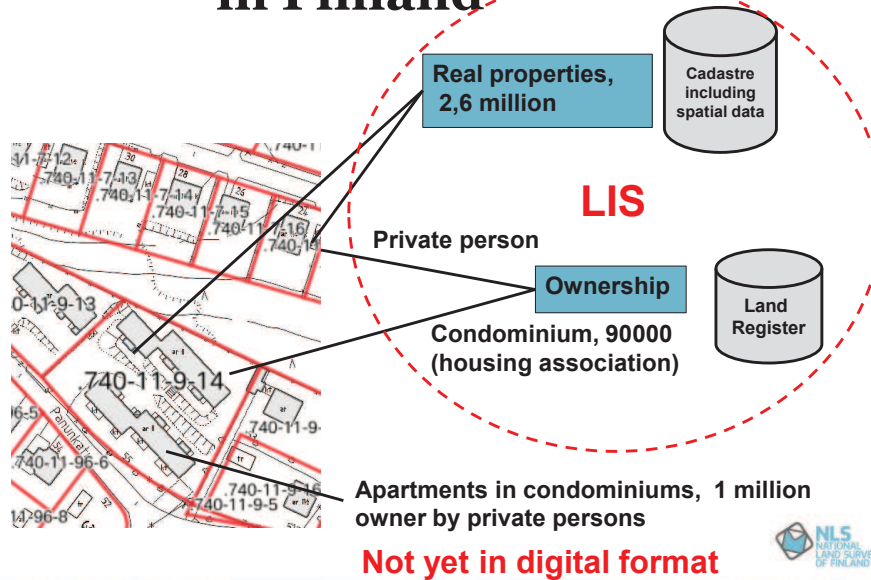
## Computerised register of apartments

- New register for condominiums



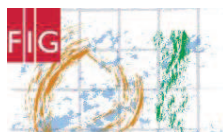


# Real property / apartments in Finland



**FIG WORKING WEEK 2017**  
 Surveying the world of tomorrow -  
 From digitalisation to augmented reality  
 May 29 - June 2 Helsinki Finland

## FIG Working Week 2017 in Helsinki 29.5.-2.6.2017



Theme:

Surveying the World of Tomorrow – From Digitalisation to Augmented Reality

- **15 November 2016** - Deadline for authors to submit non peer reviewed abstracts
- The registration will open October 2016



**FIG** **FIG WORKING WEEK 2017**  
Surveying the world of tomorrow –  
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Tervetuloa!  
Welcome!

