

Cadastral and Land Register maintenance in Finland

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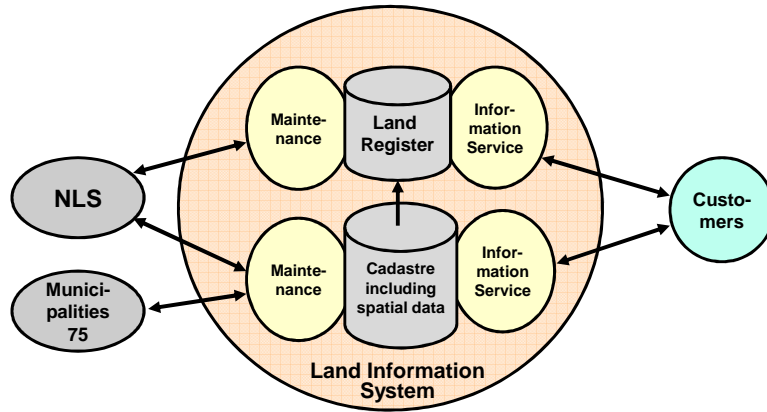
Session: TS05C - From Cadastral to Multi-Purpose Applications
Paper: 7657

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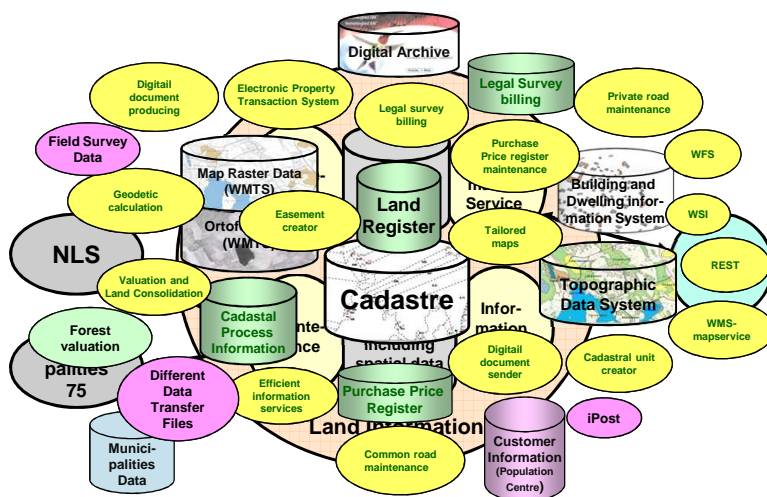
- The Land Information System
- Develop maintenance tools
- Develop operational environment

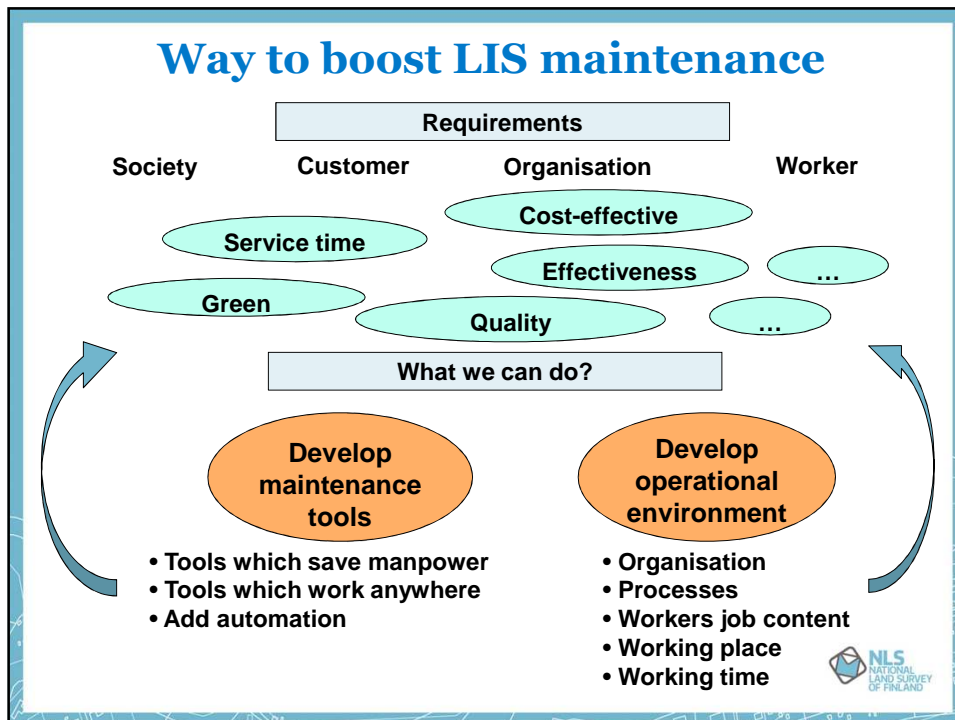


The Land Information System



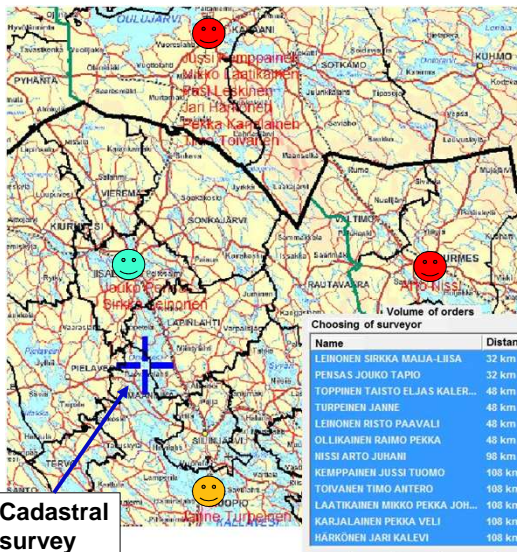
The whole entity is big and complex





- ## Examples
- Tools
 - Selecting the cadastral surveyor
 - Digital documents production
 - Use of portable computer
 - Working environment
 - Mobile work
 - Working conditions
 - Organisation
- NLS
NATIONAL
LAND SURVEY
OF FINLAND

Selecting the cadastral surveyor



Choosing of surveyor

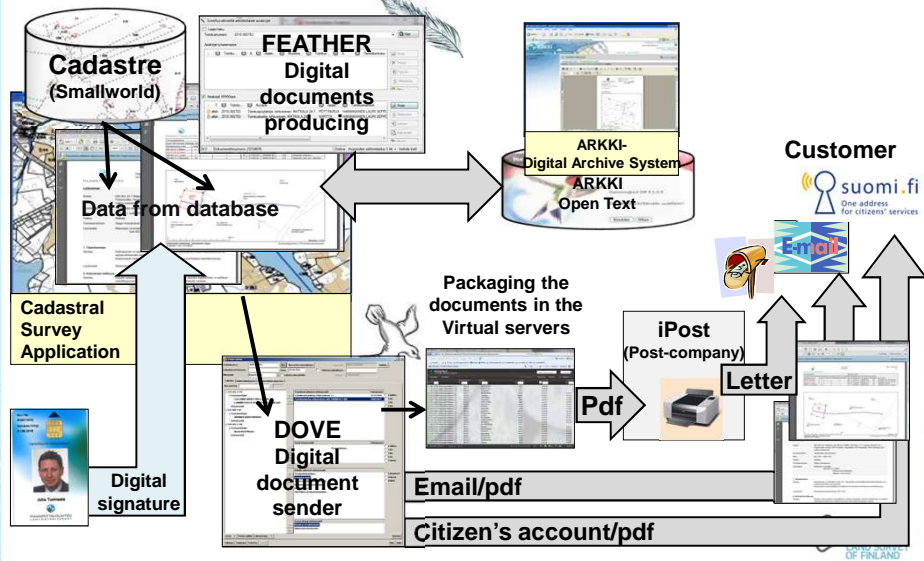
Name	Distance	Process	Volume of orders	Volume of orders (over 1 year old)
LEINONEN SIRKKA MALJA-LIISA	32 km	PETO	27 (34)	4 (6)
PENSAS JOUKO TAPIO	32 km	PETO	32 (34)	10 (6)
TOPPINEN TAISTO ELIAS KALER...	45 km			
TURPEINEN JANNE	45 km	PETO	46 (34)	1 (6)
LEINONEN RISTO PAAVALI	45 km	PETO	57 (34)	6 (6)
OLLIKAINEN RAIMO PEKKA	45 km	PETO	77 (34)	32 (6)
NISSI ARTO JUHANI	98 km			
KEMPPAINEN JUSSI TUOMO	108 km			
TOIVAINEN TIMO ANTERO	108 km			
LAA TIKAINEN MIKKO PEKKA JOH...	108 km	PETO	24 (34)	1 (6)
KARJALAINEN PEKKA VELI	108 km	PETO	39 (34)	3 (6)
HÄRKÖNEN JARI KALEVI	108 km	PETO	42 (34)	4 (6)

Cadastral survey

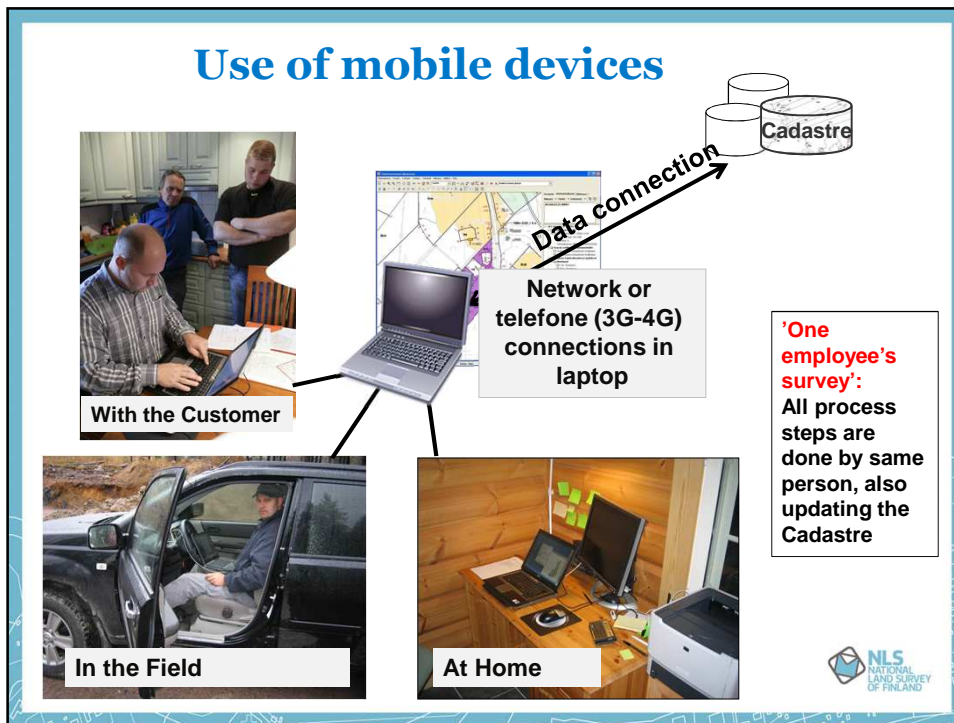


Digital documents production

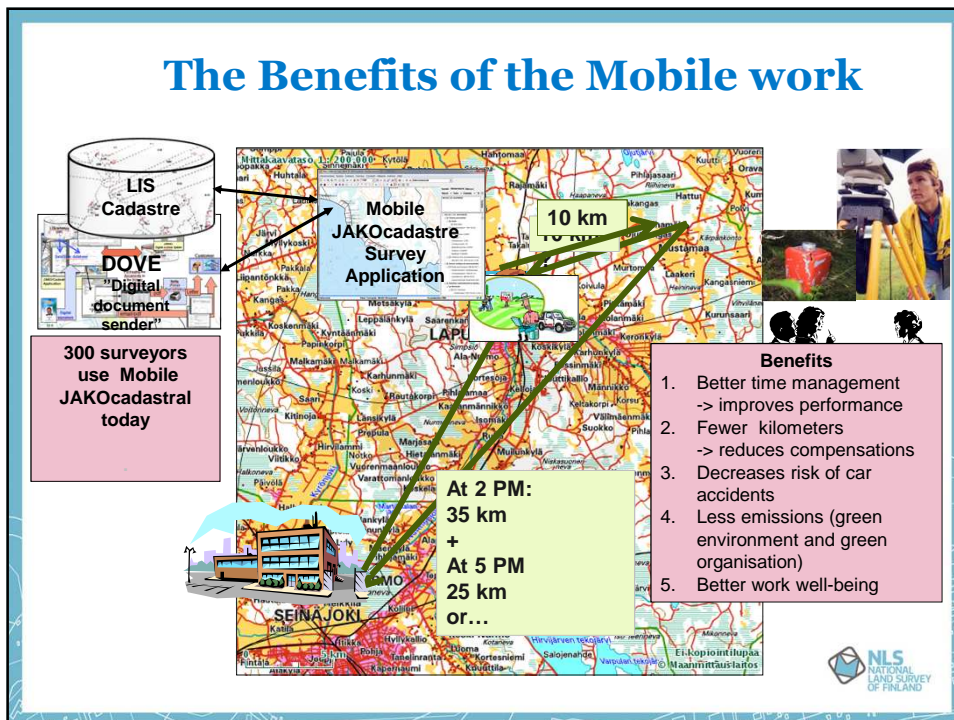
- All Legal Survey documents are produced and archived in digital form



Use of mobile devices



The Benefits of the Mobile work



Working conditions

- Working anywhere: home, hotel, municipal hall...
 - Only a small part of working tasks is bound by a fixed location
 - Mobile workstation, video connection
- Flexible working time
 - Normal working time is 8 AM to 4:15 PM
 - But if you want, it is possible schedule working hours between 6 AM to 11 PM
- Common working place
 - Work have changed (working anywhere, meetings, ...)
 - Our own room is most of the time empty = waste of costs
 - In new offices no one has his own room or seat
 - Own locker where working thinks are and every morning find where to sit

Surveyor can easier combine working and leisure time

Better wellbeing at work

Reduce offices sizes and save costs of office premises

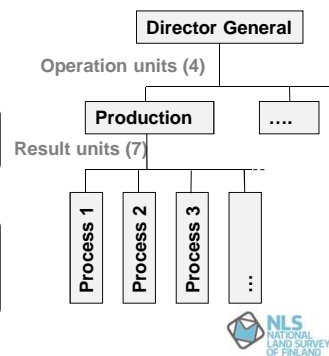


National organisation 2014

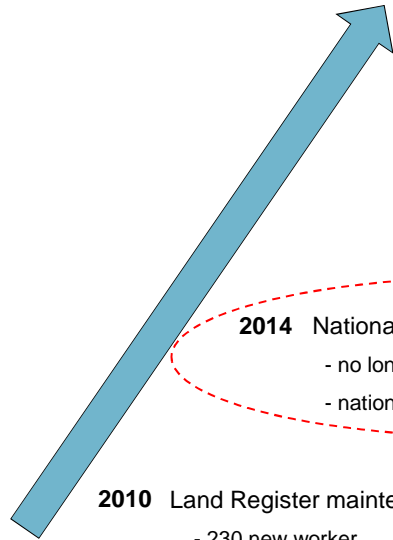
- The purpose of the reform
 - is to improve services and shorten service times
 - balance regional differences in service levels
 - make production more flexible
 - cut costs by at least 3 million Euro annually (less directors)
 - increase centrally managed tasks
 - make managing more professional

• No more District Survey Offices and regional boundaries in production

• Each core process takes care of its production and resources in the whole Finland (purer process organisation)



NLS's recent organisational steps



- 2015** Combine two organisations to NLS
- Information Centre of the Ministry of Agriculture and Forestry
develops and maintains data systems
 - The Finnish Geodetic Institute (FGI)
research for spatial data infrastructures
 - 260 new worker

- 2014** National Organisation
- no longer any District survey offices
 - national level process respond production

- 2010** Land Register maintenance from Local Courts to NLS
- 230 new worker



Thanks for Your Attention !

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