# REAL PROPERTY REGISTRATION

AFTER ME,

# FINLAND

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**NLS**
NATIONAL
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- Short history
- Current issues
- Steps towards future

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# SHORT HISTORY

- Roots in the Swedish system

- Own Finnish authority 1812

- Independence 1917

- NLS (11) and municipalities (75) updated their manual Cadastres à 86 primary + national LIS as copy

- Land Register in local courts

- 2005 official nation-wide single Cadastre within LIS, NLS and municipalities update

- Land Register to NLS 2010

- 100 % digital and 100 % coverage

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# CURRENT ISSUES (1)

- What type of Cadastre do we need in the first place?

- Overall change towards digital society affects also Cadastre

- Customer needs and demand à service orientation

- Complexity, time layers à varying quality, varying usefulness from user perspective

- Data quality improvement projects since decades

- Data content – what is relevant for today's users

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# CURRENT ISSUES (2)

- Use of register data increases and diversifies
- Modern positioning, open data **à** accuracy of boundary data an issue
  - Land owners, forest harvesters
- Is coordinate cadastre a real choice? And when?
- Introduction of automated production processes
- Introduction of automated decision making – Land Registry
  - Not yet AI, legislative and ethical issues

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# CURRENT ISSUES (3)

- What quality is good enough and for what purpose?

- Do new technologies like Blockchain have a role?

- Crowdsourcing, positioning, sensors

- Ecosystems and networks to meet customer's need
  - Data quality essential

# INTEROPERABILITY

- Interoperability of key registers is fundamental for the national information infrastructure and for public e-services.

- 2017 NLS, PRC, and PRO published 'Basic Principles of Interoperability of Key Registers and Basic Information Resources' in Opendata.fi.

- Opendata.fi is a centralized repository for Open Data released by Finnish entities. Principles are built on **European Interoperability Framework (EIF).**

- The principles were drafted on four main levels: legislative, organizational, semantic and technical interoperability.

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# STEPS TOWARDS FUTURE

- Katasteri2035 project
  - Research study at Aalto University, funded by NLS and MAF
  - Aim to provide research-based views and scenarios
  - Food for decision making
- Internal NLS discussion and studies on the subject
  - Customer and service orientation
  - Activities, organisation, and management system revisited
- 3D real properties since Aug 1, 2018 à fundamental change

# SURVEYOR

- From being an interpreter of and a gatekeeper to complicated real property registration systems to being a designer and provider of modern and understandable service

# SHOWING THE WAY

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