

Cadastre And Mapping Agency Turned Into Maintainer Of Society's Basic Infrastructure

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CONTENTS

- Beginning
- Re-organisation and merger
- From Government policy to development projects
- National policy report on spatial data
- Customers want better data



NEW TECHNOLOGY

- At the turn of millennium growing understanding of the power of digitalisation
- Decision to take a leap forward
- Beginning of a still ongoing process towards exploitation of digital systems and processes
- Smallworld → JAKO cadastre and topographic data



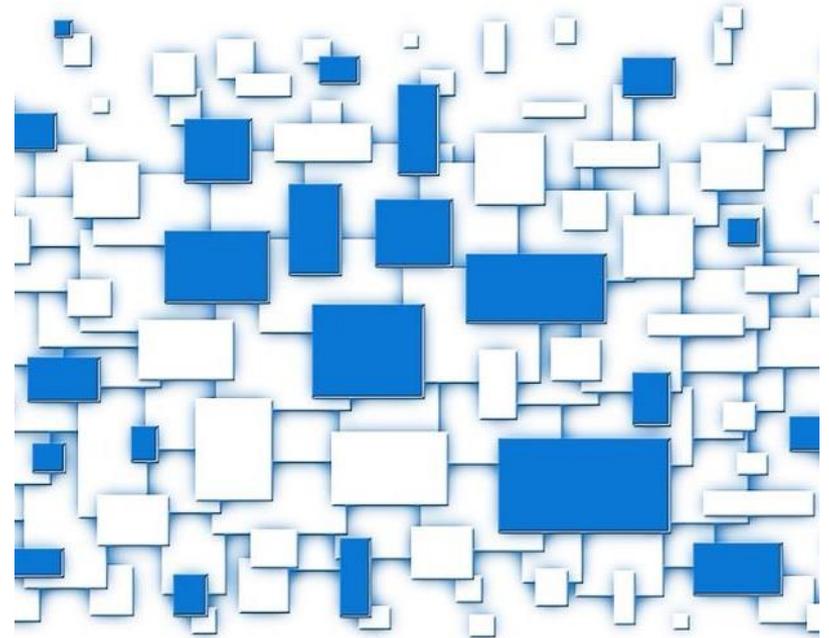
2010 LAND REGISTER

- After a long debate a political decision
- Transfer of Land Registry activities from local courts to the NLS was a big change
 - Institutionally – setting up a new process
 - Culturally – over 200 new staff
 - Technologically – replacement of outdated IT system



2014 NEW ORGANISATION

- From regional units to nation-wide process-based organisation
- Seeking higher level of productivity and efficiency
- Utilising technology to advance nation-wide processes and workflows
 - Easier to move work than people → shorter throughput times, more uniform outcome



2015 NEW ACTIVITIES

- Parallel with the 2014 reorganisation planning of the next phase
- Merger with two other organisations, the FGI and ICT services of the MAF
- Again cultural and organisational adaptation and new strategy
- One more step out of the traditional role
 - ICT service provider to other agencies within the ministry administrative sector
 - Spatial data research institute



2017 RESIDENTIAL PROPERTY INFORMATION SYSTEM (RPIS) TO THE NLS

- Spearhead program of the previous government
- Political discussion about Residential Property Information System materialises into a development project in the NLS in 2017



2017 RESIDENTIAL PROPERTY INFORMATION SYSTEM (RPIS) TO THE NLS

- Goal of the RPIS
 - Improve accessibility to, timeliness and coverage of LLHC (Limited Liability Housing Company) related information on apartments and their owners
 - Enable digitalisation of trade, management, and information services on LLHCs and apartments
- Stakeholders: banks, real estate brokers, LLHCs, service providers, government agencies



2018 3D REAL PROPERTIES

- A 12-year process reached its goal
- Cooperation with a number of players (NLS, MAF, MoE, MoJ, municipalities, (Aalto) university)
- Development of ICT system
- Enabling legislation August 1, 2018
- Big change from “land only” system to buildings or parts thereof registered in the cadastre as real estate

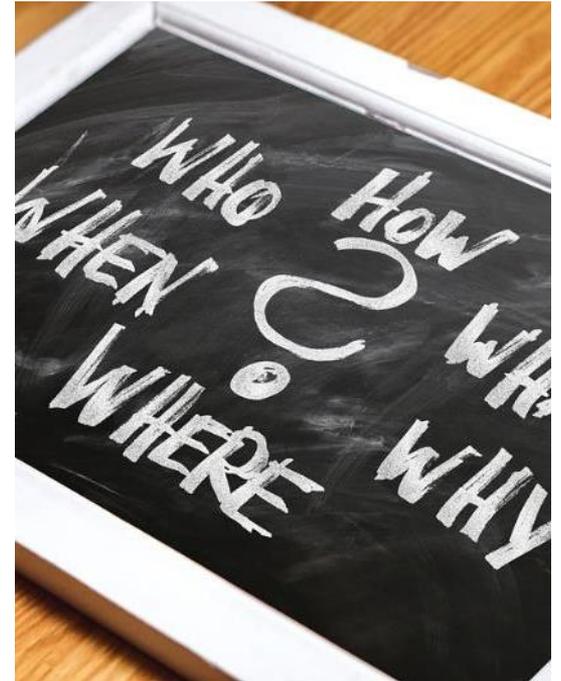


2018 NATIONAL SPATIAL DATA POLICY REPORT

- Approved by the Parliament in November 2018
- First of its kind
- Comprised 7 tasks to create the safest and most innovative spatial data ecosystem in Finland
 - Secure **high quality address information**
 - Make **accurate positioning available** to everybody
 - Build a common **spatial data platform for security authorities**
 - Develop a common spatial data ecosystem
 - Intensify cooperation with a new body
 - Increase know-how and knowledge about spatial data
 - Renew legislation to ensure development



NLS plays a significant role in its implementation



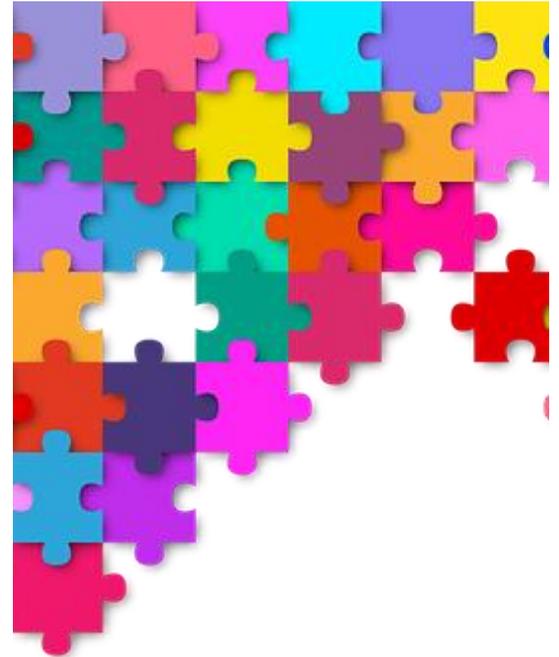
2019 ADDRESS REGISTER DEVELOPMENT STARTED

- Spatial Data Policy Report
 - The national coherence, good quality and accessibility of address data are a key starting point for internal security, efficient logistics and, in the future, for such goals as an operating environment for autonomous vehicles.
 - Specifications for the projected new cooperation body (Geoforum) are being prepared
- Part of the planned Geospatial Platform
 - Addresses, satellite images, land use, national topographic data, INSPIRE



2022 RPIS OPERATIONAL

- The Residential Property Information System reaches full usage 2023
- New (2019 -) housing companies registered digitally
- Existing housing companies transfer share lists from spring 2019 until end of 2022
- Individual paper share certificates converted into electronic when transferred if not done separately
- Latest possible date for conversion 2032

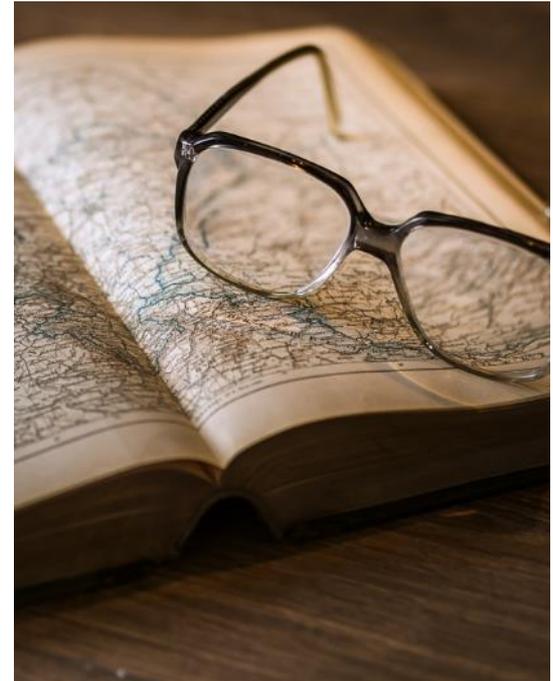


TOWARDS LAND POLICY RESEARCH

- Encouraged by FIG Cadastre 2014 and 2034 initiatives NLS set up its own process towards the future cadastre leading to a research study Katasteri 2035 in Aalto University
 - Provides theoretical basis and insight for later decision making
- Realisation that there is a great need for research on real estate or land policy in fields like
 - Land ownership
 - Registration of land i.e. Cadastre
 - Land use
 - Land taxation



• Plan to establish a research activity in the NLS



EXPECTATION FOR BETTER LAND AND BUILDING RELATED DATA

Lessons learned

- Data content of the Cadastre need to be improved over time
 - Data produced according to earlier specifications do not necessarily satisfy the customer needs of today
 - NLS carried out an extensive data improvement program over the decades
- This issue you have to discuss with your partners in the networks and ecosystems you are active in



WHEN YOUR ROLE CHANGES

- Evolving legislation, roles, processes, and data systems
- Digital real estate conveyancing
- 3D-real estate units, below ground and in buildings
- 3D-buildings in topographic database



THANK YOU

