THE MOST IMPORTANT MILESTONES TOWARDS OUR NEW CADASTRE

Vents Priedolins
Cadastre Development Manager

Bruges, 2024
641 Employees all over the country

1 Central Administration

15 Regional administrations

15 Customer service centres
Areas of responsibility

Cadastre
- Real estate market database

Address register

Information system of restricted territories

Central database of High-detail topographic information

Mass cadastral valuation

Cadastral surveying

Land reform
## Cadastre At a glance 2023

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Registered</th>
<th>Registered in 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Real estate</strong></td>
<td>1,495,355</td>
<td>17,822</td>
</tr>
<tr>
<td><strong>Land parcels</strong></td>
<td>1,041,551</td>
<td>8,937</td>
</tr>
<tr>
<td><strong>Buildings</strong></td>
<td>1,553,748</td>
<td>22,053</td>
</tr>
</tbody>
</table>
Textual data of cadastre

- For land
- For buildings
- For groups of premises
- The cadastral value for each cadastral object
Textual data of cadastre

For land
- the purpose of use,
- encumbrances,
- types of land usage and distribution by areas,
- total area etc.

For buildings

For groups of premises

The cadastral value for each cadastral object
Textual data of cadastre

For land
- the purpose of use,
- encumbrances,
- types of land usage and distribution by areas,
- total area etc.

For buildings
- main purpose of use,
- deterioration of structural elements,
- material,
- distribution of areas (residential/non residential groups of premises) etc.

For groups of premises

The cadastral value for each cadastral object
### Textual data of cadastre

#### For land
- the purpose of use,
- encumbrances,
- types of land usage and distribution by areas,
- total area etc.

#### For buildings
- main purpose of use,
- deterioration of structural elements,
- material,
- distribution of areas (residential/non residential groups of premises) etc.

#### For groups of premises
- the purpose of use,
- the name of the group of premises,
- the size of the area (including each apartment) etc.

#### The cadastral value for each cadastral object
# Textual data of cadastre

<table>
<thead>
<tr>
<th>For land</th>
<th>For buildings</th>
<th>For groups of premises</th>
<th>The cadastral value for each cadastral object</th>
</tr>
</thead>
<tbody>
<tr>
<td>- the purpose of use,</td>
<td>- main purpose of use,</td>
<td>- the purpose of use,</td>
<td>- land parcels,</td>
</tr>
<tr>
<td>- encumbrances,</td>
<td>- deterioration of structural elements,</td>
<td>- the name of the group of premises,</td>
<td>- buildings,</td>
</tr>
<tr>
<td>- types of land usage and distribution by areas,</td>
<td>- material,</td>
<td>- the size of the area (including each apartment)</td>
<td>- groups of premises (apartments),</td>
</tr>
<tr>
<td>- total area etc.</td>
<td>- distribution of areas (residential/non residential groups of premises) etc.</td>
<td>- real Estate</td>
<td>- real Estate</td>
</tr>
</tbody>
</table>

For groups of premises:
- the purpose of use,
- the name of the group of premises,
- the size of the area (including each apartment) etc.

For buildings:
- main purpose of use,
- deterioration of structural elements,
- material,
- distribution of areas (residential/non residential groups of premises) etc.

For land:
- the purpose of use,
- encumbrances,
- types of land usage and distribution by areas,
- total area etc.
Spatial data of cadastre

- Land parcels
- Buildings
- Encumbrances i.e. Servitudes
- Internal layouts of buildings i.e. Floor plans.

Digitally produced since 2007
**KADIS the new Cadastre**

**Zemes vienības - Rediģēt**

<table>
<thead>
<tr>
<th>Kadastra apzīmejums</th>
<th>Adrese</th>
<th>Kopplatība, ha</th>
<th>ATVK</th>
</tr>
</thead>
<tbody>
<tr>
<td>01000500115</td>
<td>Bulvi iela 17, Rīga</td>
<td>0.0776</td>
<td>00010001 Rīga</td>
</tr>
</tbody>
</table>

**Pamatdati**

<table>
<thead>
<tr>
<th>Pamatdati</th>
<th>Lietošanas vērtība un mērķis</th>
<th>Mērīšie datumi</th>
<th>Apgrūtinājumi</th>
<th>Aizsardzība</th>
<th>Dokumenti</th>
<th>Vērtēšana</th>
<th>Zemes vienības dalības un pārnotie objekti</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Statuss</th>
<th>Ipašuma kadastra numurs</th>
<th>Platība, ha</th>
<th>Grafiskās daļas platība, ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 nekustamais ipašuma</td>
<td>01000500115</td>
<td>0.0776</td>
<td>0.0776</td>
</tr>
</tbody>
</table>

**Administratīvā teritorija**

<table>
<thead>
<tr>
<th>Administratīvā teritorija</th>
<th>Kadastrālā teritorija</th>
<th>Kadastra grupa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rīga</td>
<td>Rīgas pilādētās kadastrālā teritorija</td>
<td>grupa 50 grunts</td>
</tr>
</tbody>
</table>

**Paziņojumi no grafiskās daļas**

<table>
<thead>
<tr>
<th>Paziņojums</th>
<th>Informācija par izcelšanu</th>
</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>2V graphic info 01000500115 - 0.0776 - Uzminimumes zemes vienība: 01.11.2011</td>
</tr>
</tbody>
</table>

**Informācija par izcelšanu**

<table>
<thead>
<tr>
<th>Paziņojums</th>
<th>VVDZ paziņojumi</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Piezīmes**

**Adresse**

[Atvērt] Pārveidot [Dzēst]
August 8, 2020: EU Fund Project proposal submitted to the Ministry of Justice

November 16, 2021: The Agreement on implementation of the EU Fund project signed

December 28, 2022: Procurement for the development of the modernisation of Cadastre announced

August 28, 2023: Cadastre transformation strategy approved

March 29, 2021: EU Fund Project proposal submitted to The Central Finance and Contracting Agency (CFCA)

March 29, 2022: An open tender for information and communication technology services within the EU Fund Project announced

July 7, 2023: Contract with the developers Visma Consulting SIA un SIA CODEX signed

December 2023: EU Fund Project completed
Achievements

Land parcels and parts of land parcels
- Registration and updates → 4 processes

The map
- Spatial data (of cadastral objects) migration

The workflow
- Integrating the workflows of our processes

Data distribution network (DDN)
- Cadastral data distribution in the DDN

Cadastral values
- Data preparation for mass valuation
The budget

- To mitigate the risks, we have waived
- Total project cost

1 million € in 2023

2 899 500,00 €

European Regional Development Fund (ERDF)

State budget
KADIS project achievements

- Improved operational processes
- Data migration to the State Cloud infrastructure solution
- Improved data exchange between Cadastre and other IS
- New e-service created
- Datasets available on the Open Data Portal
KATE
a new technological solution for cadastral map

- 5 months from idea to result!
- Technological solution based on PostgreSQL PostGIS database
- Working environment designed in QGIS v3.34 software

For the previous KRIS GP solution Bentley MicroStation V8.1 was used and platform was based on Oracle database 10g
Benefits of KATE

- Significant financial benefits by waiving licence costs
- The possibility to use the latest and most up-to-date technology
- A communication site made in a Webex environment where data operators communicate with each other, exchange knowledge and receive immediate support from IT support staff
- OGC standard implemented
Technical improvements

- Data specification changed
- Data storage fully centralised now
- Separation of the working database from the underlying database
- More complete topological data validation introduced
- Improved ability to store and view historical data
- A number of new validations have been developed, both in the database and in the working environment
- Various raster and vector backgrounds available in QGIS formats can be connected to the working environment
Challenge

Inclusion of the Address Register data and data of the Restricted Territory Information system in the same technical solution which is used for the Cadastral map.
.. another challenge

Development and design of a new online portal for our data and services
Cadastre in your pocket

www.kadastrs.lv

Self service portal
- Working place, services, accessibility – primarily without involvement of the SLS

User oriented
- Meets the needs of modern society, user friendly

Simplicity in design
- Easily understandable, well structured, intuitive and functional

Modern and safe
- Meets modern technology and security requirements, interoperable and easy to administer
The roadmap for the portal development

**MARCH–APRIL**
- Summary of customer and partner needs (opinion polls)
- Work on the Conceptional vision
- Key requirement proposals

**MAY–JUNE**
- Brainstorming within SLS
- Summary of key requirement proposals
- Presentation of the conceptual vision

**JULY–SEPTEMBER**
- Discussion with customers and partners
- Final version of the conceptual vision

**OCTOBER–DECEMBER**
- Specification and requirements fully set
- Start of the development phase which will continue in 2025

The roadmap for the portal development
Follow us

Have a look

www.vzd.gov.lv
www.kadastras.lv
Any questions?
Thank you!

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