



State Land Service
Republic of Latvia

CADASTRE DATA OPENING IN LATVIA

VENTS PRIEDOLINS
Cadastre development manager



LATVIA

GENERAL INFORMATION

Capital: Riga

Area: 64 589 km²

Population: 1,86 million

Local municipalities: 43

State cities: 10

Coastline: 498 km





Cadastre



Restricted arrea and territories data



The State Address Register

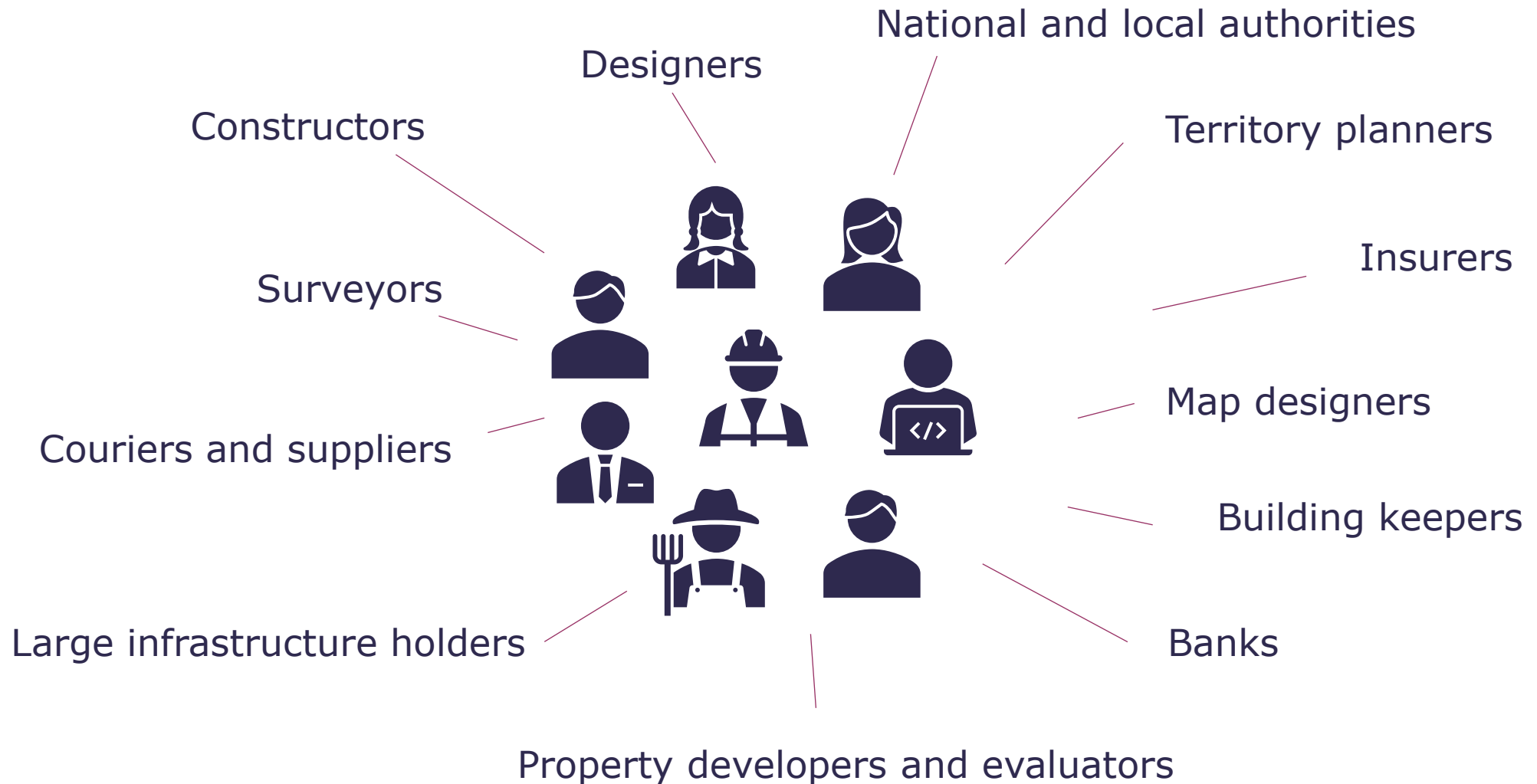


High-detail topographic information Central database



The real esatate market information system

THE USERS OF THE DATA



OPEN DATA



Freely available



Free of charge



Actual data



Machine readable

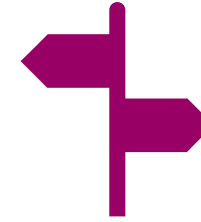


Open format



Public
information

OPEN DATA FROM JANUARY 2022



**THE STATE ADDRESS
REGISTER**



CADASTRE



**THE REAL ESATATE MARKET
INFORMATION SYSTEM**

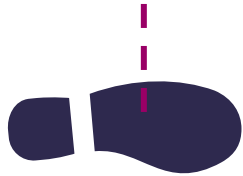
MAJOR CHALLENGES

- National security interests
- Security and privacy of personal data
- Data for which SLS is not prime-source
- Resources
- Time limit
- The functionality of centralized Information Systems

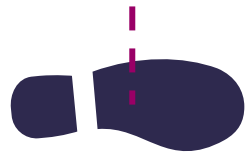


DATA OPENENING – 3 MONTHS

Budgetary Law



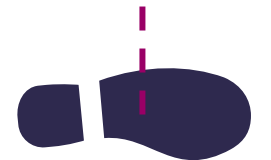
Amendment to
the price list



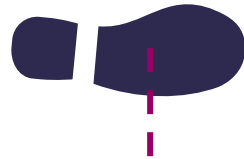
Preparing open
datasets



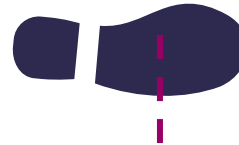
Publication
of data



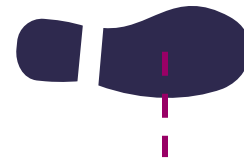
20 discussions
with partners and
data users

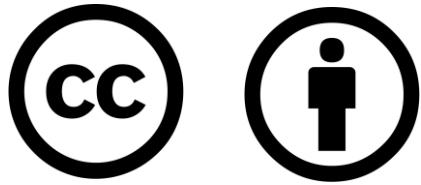


Data distributing
channel strategy



Service
conversion





**CREATIVE
COMMONS
ATTRIBUTION
4.0
(CC-BY 4.0)**

ALLOW:

- free to act (copy, transform, distribute, and execute)
- usage for commercial or non commercial purposes
- without any type of authorization

THE PRODUCT MUST INCLUDE:

- reference to data source
- indication (link) to licence
- details of changes made to the data

CONDITIONS:

- the data user may not suggest that the SLS has aligned his or her changes to the data or approved the product
- the SLS may not revoke the licence if the conditions of the licence are complied with

THE REACTION

The SLS data more popular than Covid statistics on portal data.gov.lv

Are open data as high as fee data?

Legal side of open data use - trust

Is it possible to receive open data in DGN format?

Is open data transparent?

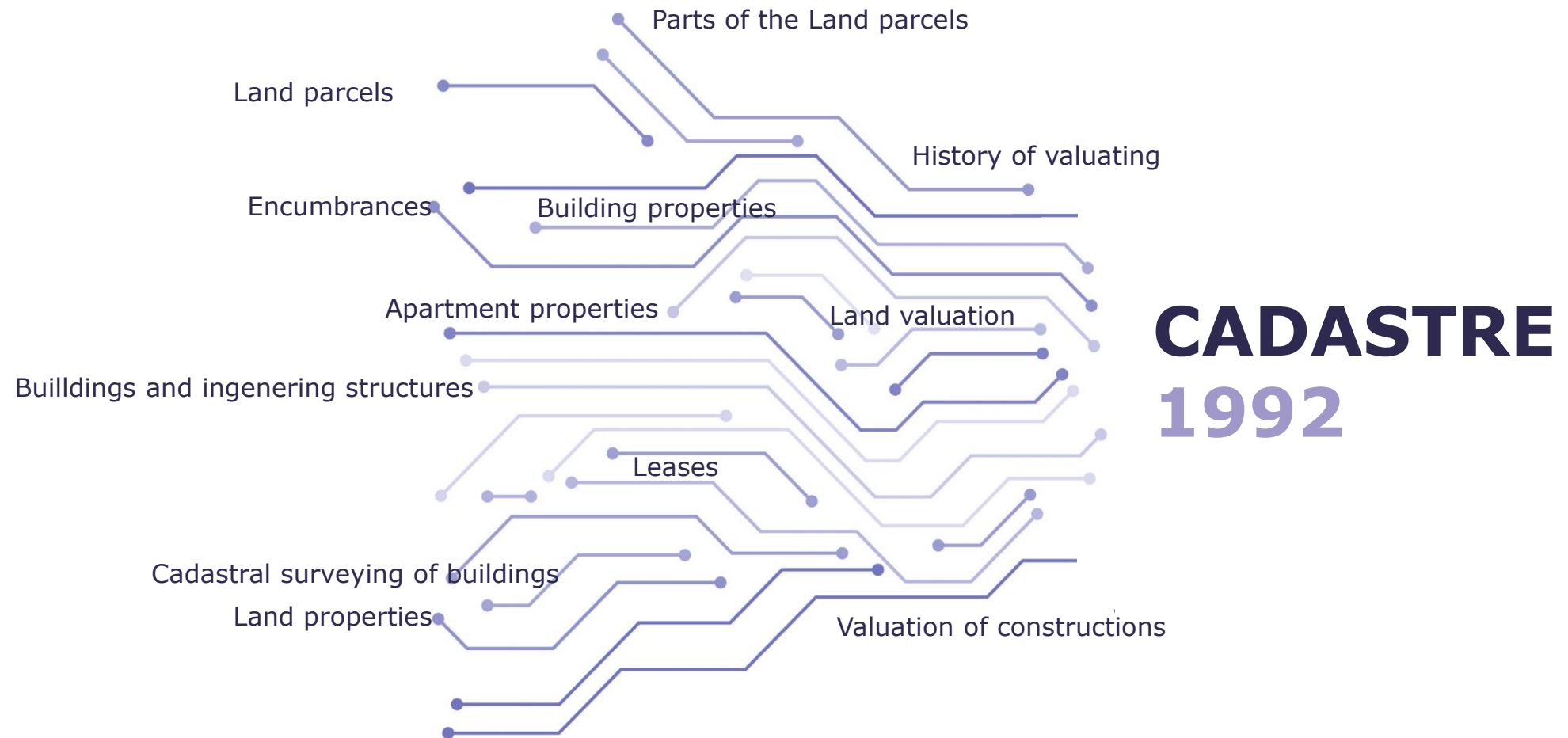
Convenience is a value?



An aerial photograph of a rural landscape. A central road runs vertically, flanked by green grass and trees. To the left of the road is a large, vibrant green field. To the right and in the foreground are several large, rectangular agricultural plots of dark brown, tilled soil, showing distinct patterns of furrows and tracks from heavy machinery. The overall scene is a patchwork of agricultural land.

CADASTRE DATA

ACCUMULATION OF DATA



CADASTRE DATA

**1.02
MILLION**

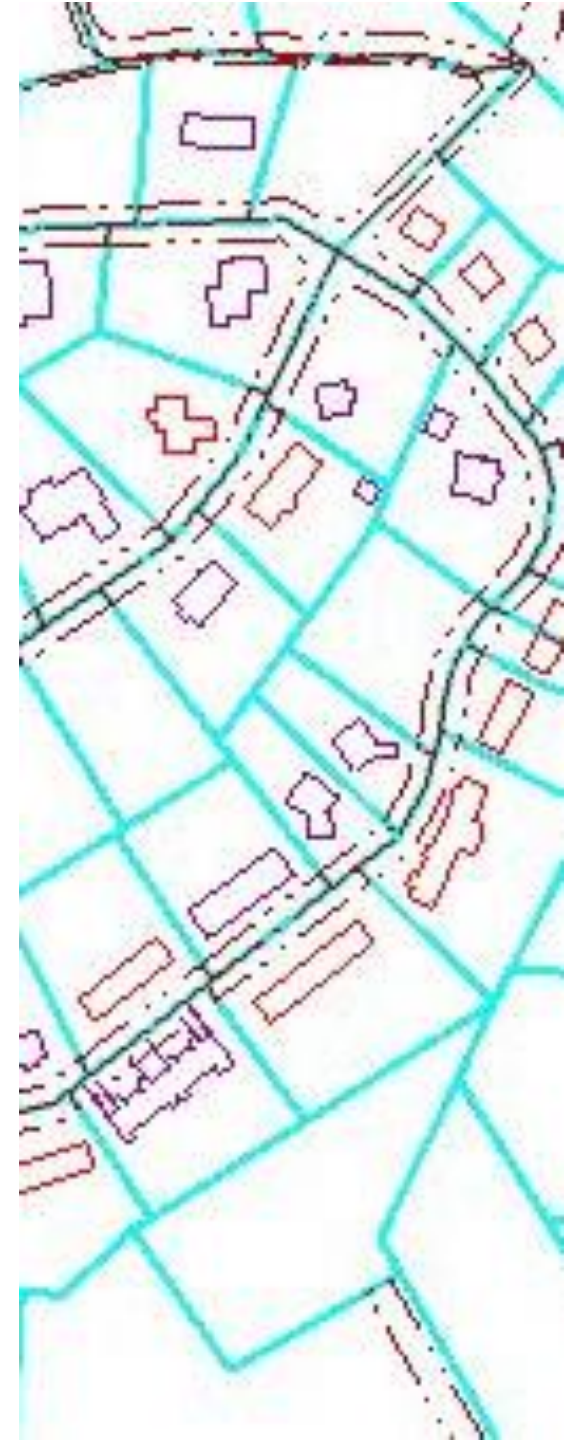
Registered
land parcels

**1.5
MILLION**

Registered
buildings

**2.06
MILLION**

Registered
groups of premises

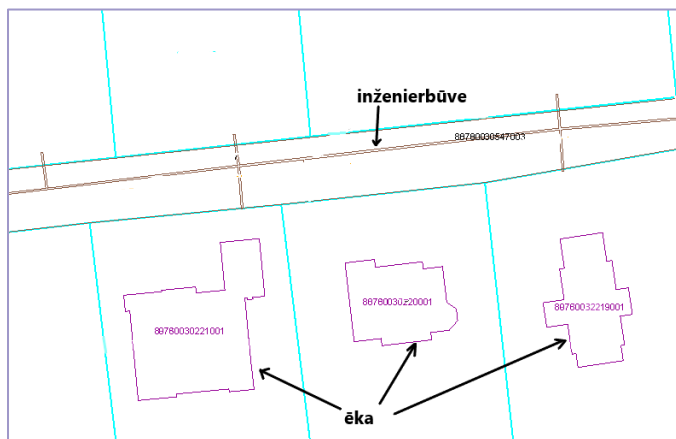


CADASTRE DATA



SPATIAL

- Land parcel boundaries
- Constructions
- Parts of the Land parcels
- Encumbrances – servitudes



TEXTUAL

- Areas of objects
- For lands – purpose of the use of property, encumbrances, land uses and their distribution by area, total area etc.;
- For buildings – main type of use, depreciation and material of constructive elements, distribution of area (residential / non residential) etc.;
- For groups of premises – type of use, name, areas of rooms etc.;
- Cadastral value for Real estate and objects (land parcel, building and engineering structure).

OPEN DATA



HOW

- **Textual** data by administrative Territories in 10 mutually independent but compatible data structures* in XML format files
- **Spatial** data by administrative Territories in SHP format files



WHERE

<https://data.gov.lv>

<https://inspire-geoportal.ec.europa.eu/>



ACTUALITY

weekly

* - Real estate, ownership of persons, land parcels, parts of the land parcels, constructions, groups of premises, addresses, encumbrances, markings, actual cadastral values

A photograph of a rustic wooden cabin with a red-tiled roof, situated in a lush green field. In the foreground, several wooden picnic tables are arranged in a row. The cabin has a small porch and a chimney. The background is filled with tall evergreen trees under a cloudy sky. The text 'THE REAL ESTATE MARKET DATA' is overlaid in white, bold, sans-serif font on the left side of the image.

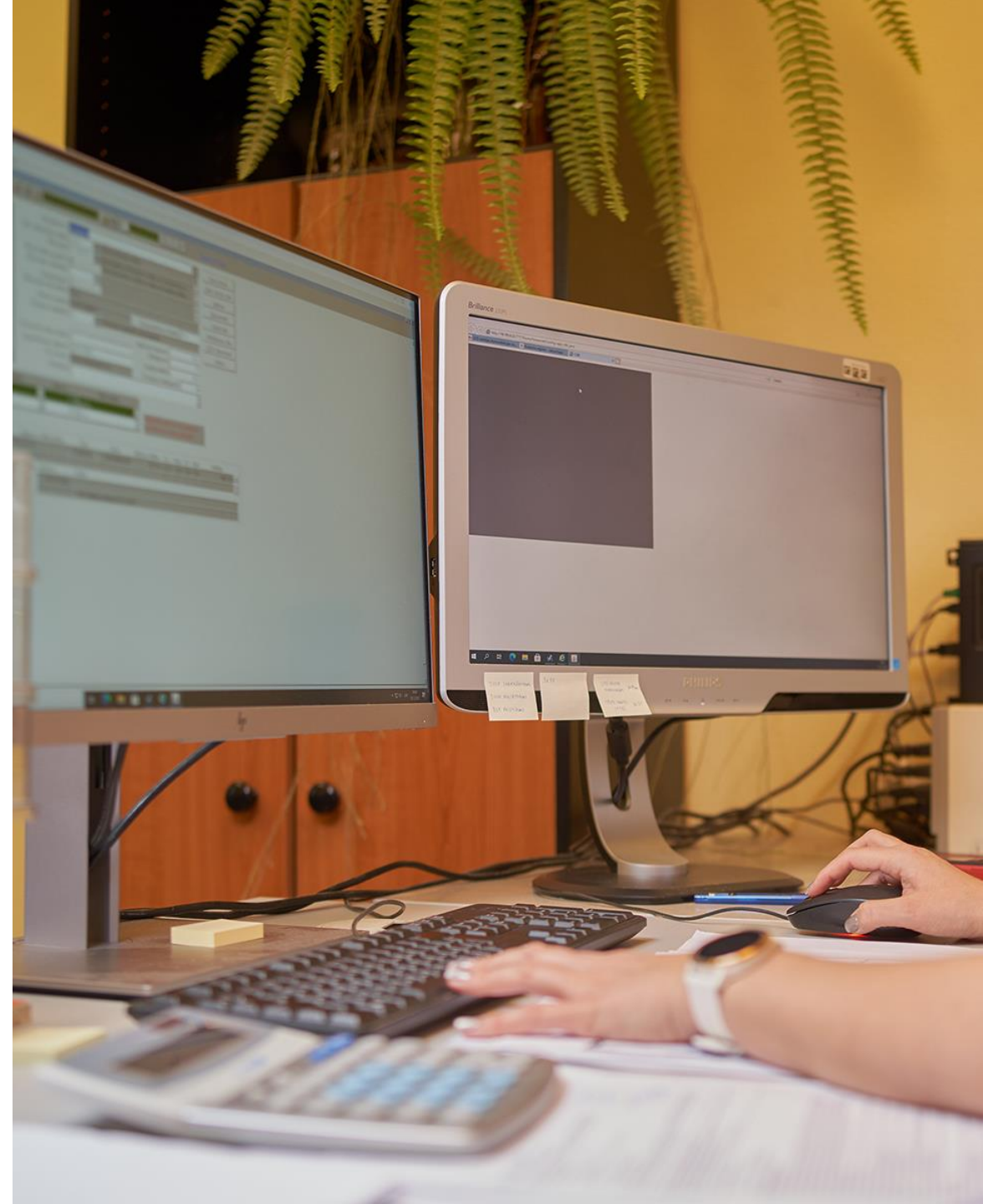
THE REAL ESTATE MARKET DATA

THE SOURCE

Official data received from the Land Book regarding purchase transactions with Real estate shall be accumulated in the database.

SLS maintains the real estate market database, which is **wider in Latvia**

**FOR MORE THAN 1 000 000
TRANSACTION DATA ARE STORED
IN DATA BASE.**



THE REAL ESTATE MARKET DATA



Transaction characteristics (time, amount, location)



Land data (area, exfoliation, etc.)



Building data (type of use, area, material, depreciation, etc.)



Data on apartments, groups of premises (area, number of rooms, floor, etc.)

OPEN DATA



HOW

Direct or aggregated information from the Real Estate Market Database in CSV format files



WHERE

<https://data.gov.lv>



ACTUALITY

- Information on market transactions — monthly
- Statistics – monthly
- Average transaction prices and count — half-yearly (March, October)



ADDRESS DATA

ADDRESS DATA



Administrative
territory and
territorial division
units



Villages, small
villages



Streets and
their spatial
location



Buildings,
building land
and their
location



Groups of
premises
(textual data)



Historical
addresses



National roads and
their spatial
location



Attribute
Information (Postal
Code etc.)



Planned
addresses

ADDRESS DATA

MORE THAN
1.3
MILLION

Addresses

535 000

Addresses for buildings
and land units

853 000

Addresses for groups
of premises



OPEN DATA



HOW

- **Actual and historical textual** data in CSV format files
- **Actual spatial data**, including borders of administrative territories and their territorial units, in SHP format files



WHERE

<https://data.gov.lv>

<https://inspire-geoportal.ec.europa.eu/>



ACTUALITY

daily

WHAT'S NEXT?

- Promoting the use of open data
- Improving data quality together with society
- Identifying data usage practices -
Creating new data products
- Alignment of regulatory frameworks
- Transformation of SLS processes and services





State Land Service
Republic of Latvia

Data really powers everything that we do

Jeff Weiner

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🖱 www.vzd.gov.lv

f [/Valstszemesdienests](https://www.facebook.com/Valstszemesdienests)

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