



State Land Service
Republic of Latvia

OPEN DATA OFFERS UNPRECEDENTED OPPORTUNITIES IN LATVIA

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630

**EMPLOYEES ALL OVER
THE COUNTRY**

Capital: **Riga**

Area: **64 589 km²**

Population: **1,88 million**

Local municipalities: **43**

State cities: **10**

Coastline: **498 km**



1 CENTRAL OFFICE

5 REGIONAL ADMINISTRATIONS

18 CUSTOMER SERVICE CENTERS



The Cadaster
information system



Information system of
restricted territories



The Real Estate
market database



The Address
register



The Central database of
high detailed topographic
information



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OPEN DATA SINCE 2022



Information system of
restricted territories



The Central database of
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BEFORE WE OPENED DATA



Individual approach to data distribution

- large number of customers
- different technical solutions, data formats and structure
- significant resources in the administration of the agreements



Funding

- we were financed from own revenues (60%) and State budget funding (40%)



Restrictions on usage of data

- for own needs
- for the provision of a service that does not allow retrieving the original data

GETTING READY TO OPEN DATA



What data to open?

Considering:

- national security aspects
- personal data security and privacy
- interests of the original data source



How to open data?

- format and solution
- functionality of centralized systems in Latvia



What is the impact?

- transformation of existing services and cost
- distribution channel strategy
- impact on existing customers

WHERE TO FIND OUR OPEN DATA?



LATVIAN OPEN DATA PORTAL

<https://data.gov.lv/lv>



INSPIRE GEOPORTAL

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



EUROPEAN
DATA PORTAL

**OFFICIAL PORTAL FOR
EUROPEAN DATA**

<https://data.europa.eu/lv>

HOW CAN DATA BE USED?

Creative Commons
Attribution 4.0
(CC-BY 4.0)



THE OPEN DATA LICENSE ALLOWS:

- to **use** (copy, modify, distribute and execute) the open data **freely**;
- to use the open data for **commercial or non-commercial purposes**;
- to use the open data **without asking any kind of permission** of the State Land Service of Latvia

BY CREATING A NEW INFORMATION PRODUCT FROM OPEN DATA THE DATA USER MUST:

- **provide a reference to the used data source**
e.g. "Data from the National Address Register Information System used";
- **indicate a link to the Open Data License**
(the link will be available at the published data set on [the Latvian Open Data Portal](#));
- **include an information regarding the changes made to the open data,**
e.g., that administrative territories have been changed in the developed product, dividing the territory of the City of Riga into suburbs (which are not registered in the State Address Register);

IT SHOULD BE NOTED THAT:

- The State Land Service of Latvia **does not coordinate changes or the product that has been developed,**
therefore one must not mislead their product user that the State Land Service of Latvia has agreed on the changes to the data or approved the product they have created.
- The State Land Service of Latvia **will not revoke the open data license** if data user comply with its conditions

OPEN DATA OF THE ADDRESS REGISTER



DATA ON THE LATVIA'S OPEN DATA PORTAL

DATA.GOV.LV

ACTUAL TEXTUAL DATA

in CSV format files [here](#)

Data specification available [here](#)

HISTORICAL TEXTUAL DATA

in CSV format files [here](#)

Data specification available [here](#)

SPATIAL DATA

in SHP format files [here](#)

Data specification available [here](#)



Updated daily

DATA ON INSPIRE GEOPORTAL

INSPIRE-GEOPORTAL.EC.EUROPA.EU

Data corresponding to the theme
of **Addresses** of Annex I to the
INSPIRE Directive

WMS and WFS service available [here](#)

Data specification available [here](#)

Data corresponding to the theme
of Annex I to the INSPIRE
Directive **Administrative units**

WMS and WFS service available [here](#)

Data specification available [here](#)



Updated weekly (once)

OPEN DATA OF THE CADASTER INFORMATION SYSTEM



CADASTRE DATA ON LATVIA'S OPEN DATA PORTAL

DATA.GOV.LV

ACTUAL TEXTUAL DATA

in XML format files [here](#)

data specification available [here](#)

SPATIAL DATA

in SHP format files [here](#)

data specification available [here](#)



Updated weekly (once)

DATA ON INSPIRE GEOPORTAL

INSPIRE-GEOPORTAL.EC.EUROPA.EU

Data corresponding to the theme
CADASTRAL PARCELS of Annex I
to the INSPIRE Directive

WMS and WFS service available [here](#)

data specification available [here](#)

Data corresponding to the theme
BUILDINGS of Annex III to the
INSPIRE Directive

WMS and WFS service available [here](#)

data specification available [here](#)



Updated weekly (once)

OPEN DATA OF THE REAL ESTATE MARKET DATABASE



DATA ON THE LATVIA'S OPEN DATA PORTAL

DATA.GOV.LV

TEXTUAL DATA

in CSV XLSX format files [here](#)

Data specification available [here](#)



Updated monthly (once)

A person in a dark suit is shown from the back, aiming a bow at a target. The target is a circular bullseye with concentric rings of blue, red, and yellow. The background is a blurred outdoor setting. The entire image has a dark blue overlay.

| EXPECTATIONS **VS** REALITY

EXPECTATION

We will not be able to deal with the customer inquiries

There will be hundreds of questions and we will not be able to respond to them qualitatively!

REALITY

~ 46 questions per quarter

or

~ 15 questions per month

or

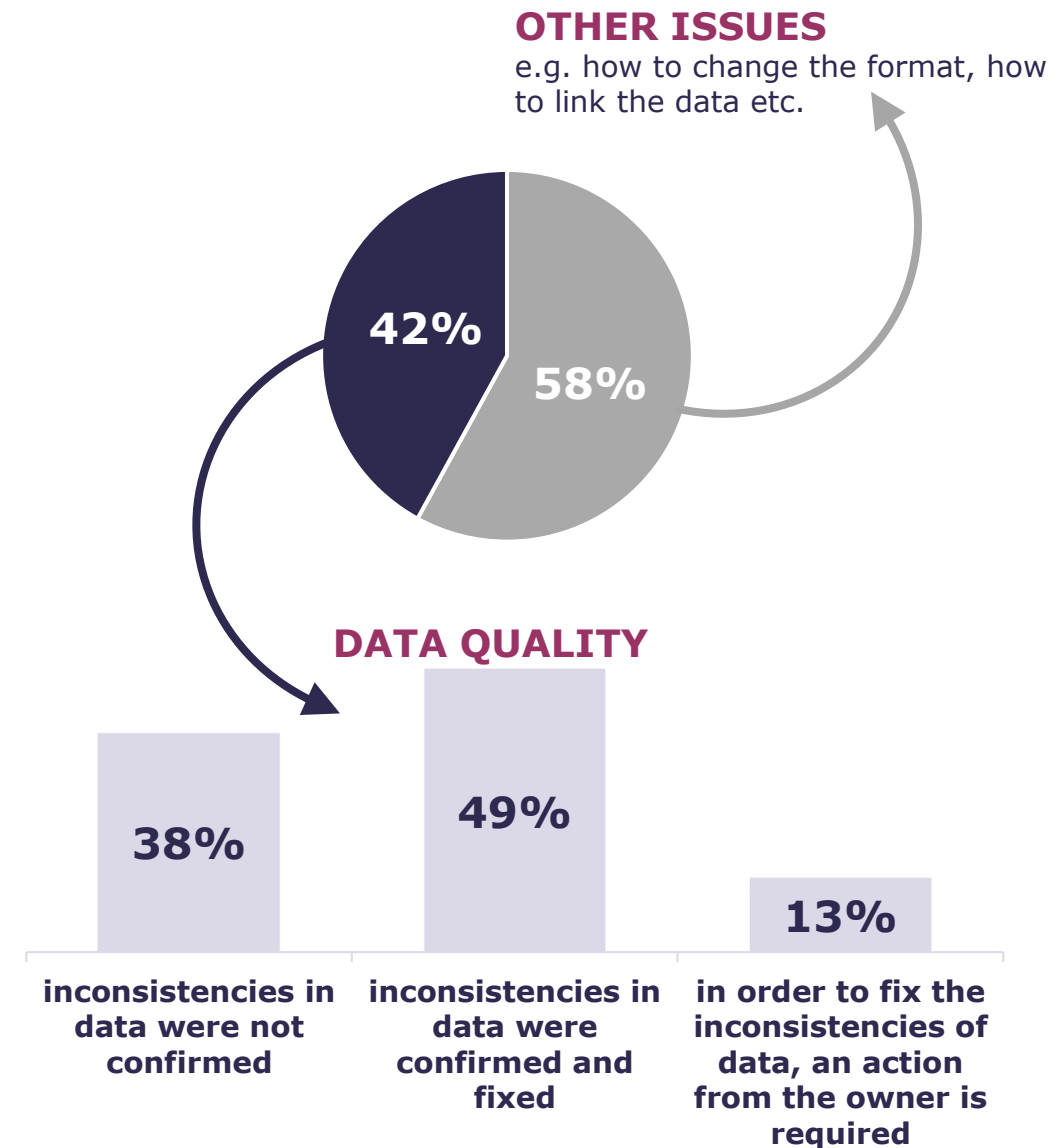
~ 4 questions per week

EXPECTATION

We will not be able to deal with all complaints regarding the data quality!

Our systems are from the 90s and we have quality problems, data will be misinterpreted!

REALITY



EXPECTATION

We thought that opening our data would have a negative impact on our reputation

Society will not understand the historical data quality requirements and our technical ability to provide better quality data or more updated data!

REALITY



The society is more supportive than expected



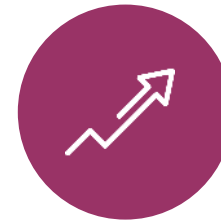
Cooperation with the non-governmental sector is now stronger - we understand each other better

EXPECTATION

We thought that opening our data would sharply reduce the demand for the data services

No one will need our data services anymore!

REALITY



The demand for high value-added data services increased **by 10%**



We no longer provide services that duplicate open data and unprofitable services

EXPECTATION

We will not know if and how the public uses our data!

The data will be accessible to unidentified persons and we will not be able to know if the data it is being used, how it is being used and why it is being used!

REALITY

We do not have control over data usage!



But we know of some examples



On Latvian open data portal data.gov.lv we are **TOP 10** with our Open data

A surreal space landscape featuring several large, colorful planets and celestial bodies. In the center, a large blue planet with white clouds is prominent. To its left, a large reddish-brown planet is visible. To its right, another large reddish-brown planet is shown. In the foreground, a dark, rocky surface with a bright orange glow on the right side is visible. The background is a deep blue space filled with stars and nebulae. The text "OPEN DATA – AN OPPORTUNITY FOR SOCIETY AND US!" is overlaid in white, bold, sans-serif font on the left side of the image.

**OPEN DATA –
AN OPPORTUNITY FOR
SOCIETY AND US!**

BENEFITS FOR SOCIETY



Development of innovations and ICT products
based on official state information system data



Free data – lower cost for new, quality ICT products
with added value



Wide possibilities for **scientific work** and
unmediated data analysis



Transparency of public administration and
opportunity to participate



Capital for **new business ideas**

BENEFITS FOR US



A stronger, more cohesive **team**



We have **data quality assistants** – data enthusiasts now



Our **reputation** has improved - we are an open and transparent institution



Optimized resources – fewer individual contracts, fewer data distribution solutions



We have more **valuable data** than we thought before



State Land Service
Republic of Latvia

Thank you!

www.vzd.gov.lv

info@vzd.gov.lv

[/Valstszemesdienests](#)

[@ZemesDienests](#)

We wish you courage and a
successful experience in opening
your data!