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Republic of Latvia

Implementation of Restricted Territories Information System and registration of restricted territories in Cadastre IS in Latvia

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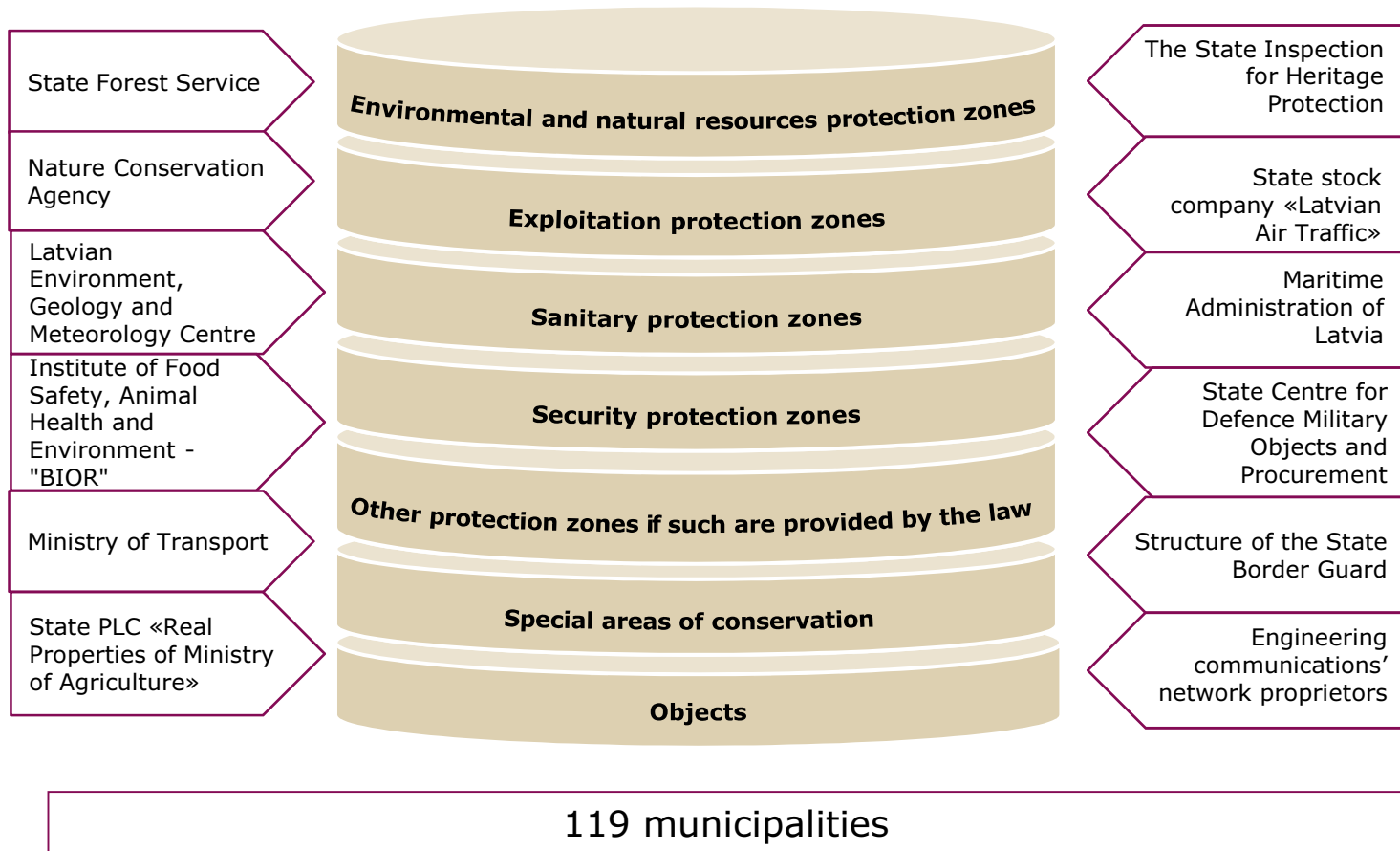The State Land Service of the Republic of Latvia

Restricted Territories Information System (RTIS) is State Information System and the goal of this IS is to provide society with actual and publicly available information in one place about restricted territories and objects which have protection zones.

DATA PROVIDERS (1)

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State Forest Service

Nature Conservation Agency

Latvian Environment, Geology and Meteorology Centre

Institute of Food Safety, Animal Health and Environment - "BIOR"

Ministry of Transport

State PLC «Real Properties of Ministry of Agriculture»

Environmental and natural resources protection zones

Exploitation protection zones

Sanitary protection zones

Security protection zones

Other protection zones if such are provided by the law

Special areas of conservation

Objects

The State Inspection for Heritage Protection

State stock company «Latvian Air Traffic»

Maritime Administration of Latvia

State Centre for Defence Military Objects and Procurement

Structure of the State Border Guard

Engineering communications' network proprietors

119 municipalities

DATA PROVIDERS (2)

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SMALL	AVERAGE	BIG
~ 55% of amount ~ 5 % data Data is not electronically available or provider have small amount of data SOLUTION: Online WEB editing	~ 40% of amount ~ 25% data Data is stored in files SOLUTION: File transfer using FTP server	~ 5% of amount ~70% data Have their GIS systems SOLUTION: Individually adapted Data Transformation models

DISADVANTAGES AND SOLUTIONS

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SMALL	AVERAGE	BIG
Have to draw data manually when data is changed	Have to tailor data to fit specification	Have to keep data structure unchanged
SOLUTION: Trying to change data input from WEB editing to FTP if data amount is growing	SOLUTION: Provide unchanging data structure and try to define data transformation model or use developed RTIS resource file	SOLUTION: Put effort in making data transformation model once and supply with data automatically

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# Restricted Territories IS – benefits to society

- All information about restricted territories available under unified classification and specification

- Automatic update of restricted territory following changes in regulations

- Actual data on restrictions of real estate in Cadastre IS

| Restricted Territories IS | → | → | Cadastre IS |
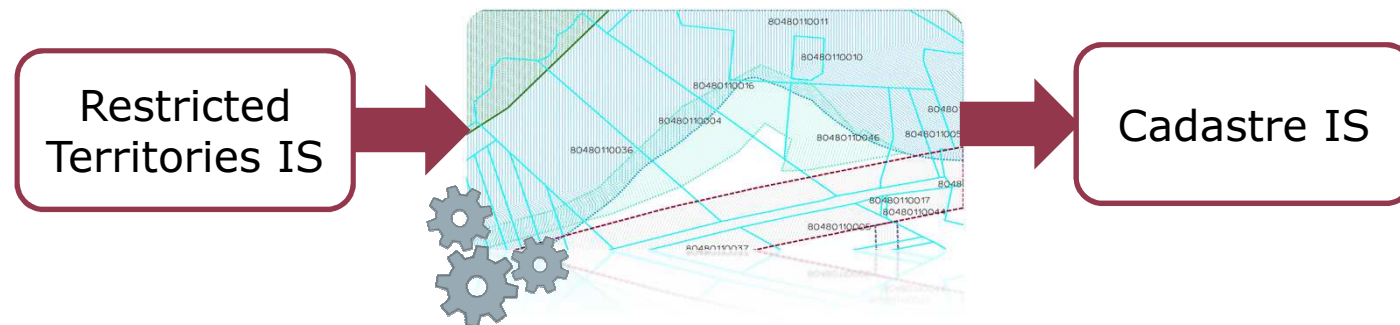
Current registration of encumbrances in Cadastre

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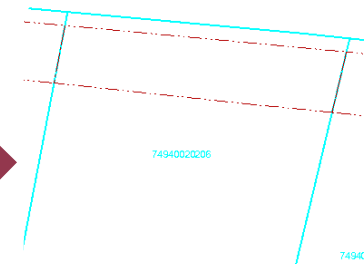
Sources of protection zones and other encumbered territories

- Spatial plan

- Detailed plan

- Land use planning project

- Municipality decisions etc.

Surveyor

- Collects information

- Field works
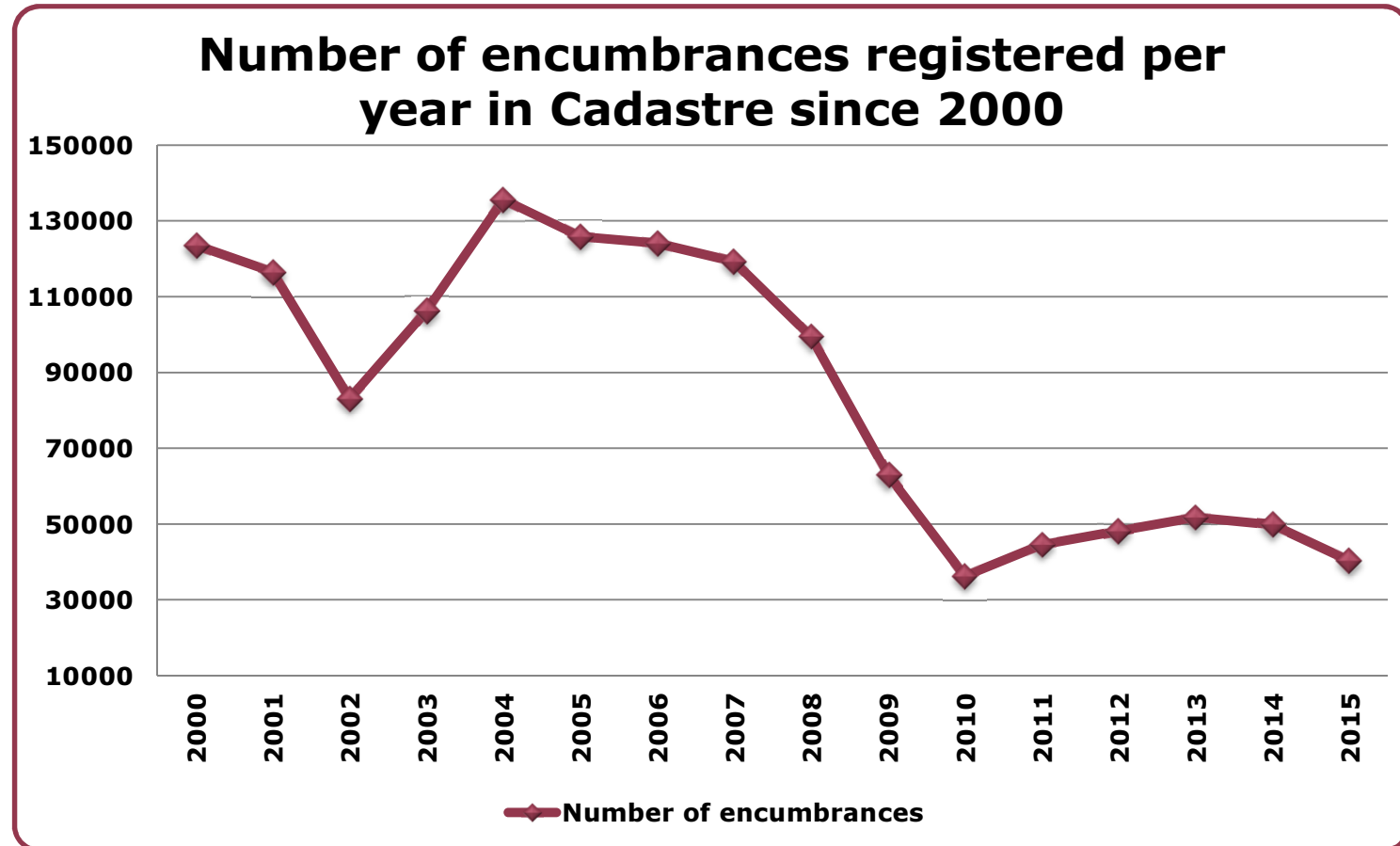
- Creates plans of encumbrances

Cadastre Information System

- There are registered all encumbrances from plan in textual data;

- There are depicted only road servitudes in spatial data

Dynamics of encumbrances registration in Cadastre

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Number of encumbrances registered per year in Cadastre since 2000

Legislation now...

...requires that encumbrances will be registered in Cadastre from Restricted territories IS

National Real Estate Cadastre Law

Restricted Territories Information System Law *(Launch of Restricted Territories IS - 1st of January, 2018)*

Legislation

Cabinet of Ministers Regulations Nr.263 «Regulations on the registration of Cadastre items and updating of the Cadastre data» *(Encumbrances in Cadastre from Restricted Territories IS from Restricted Territories IS will be launched)*

Cabinet of Ministers Regulations Nr.61 «Regulations on Restricted Territories Information System establishment and maintenance and restricted territories and encumbrances classification»
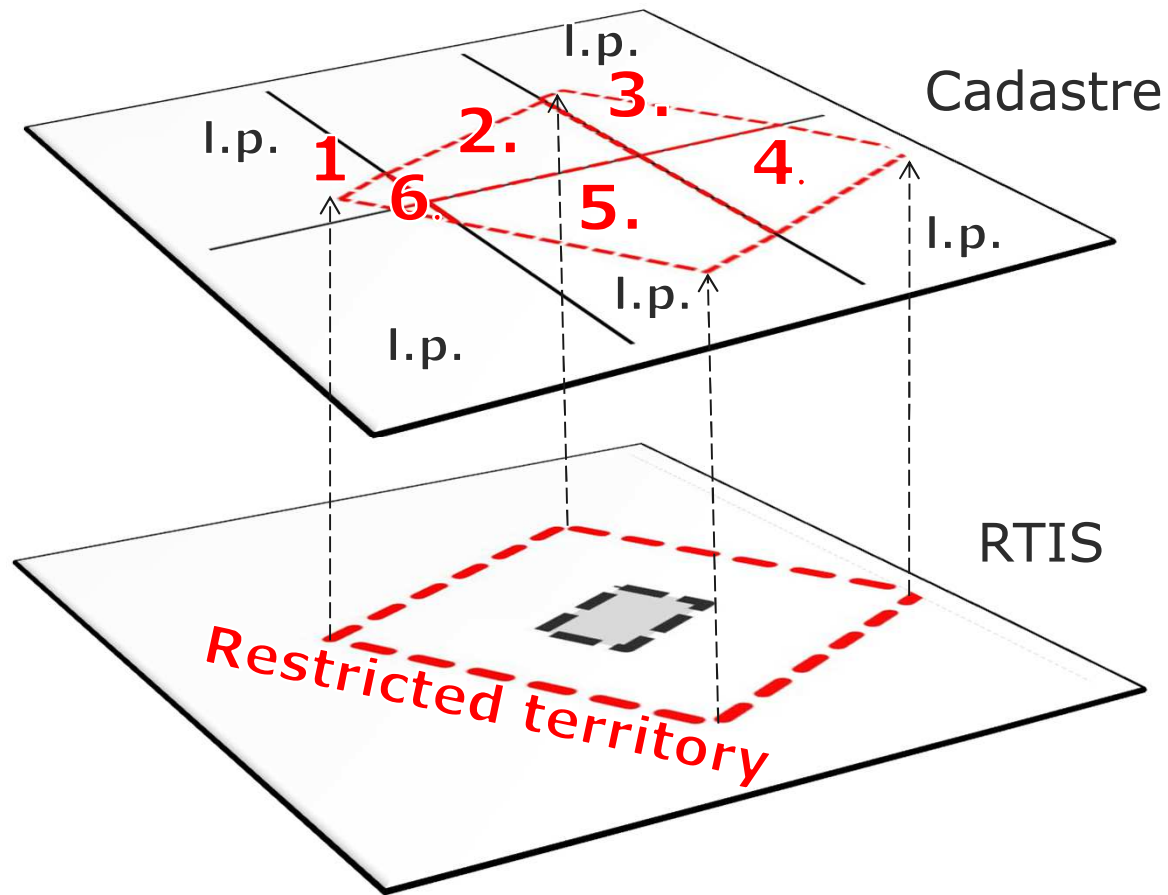
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Launch of Restricted Territories IS

Although there are determined that Restricted Territories IS will be launched on the 1st of January 2018 in Latvian legislation, Directive 2014/61/ES of European Parliament requires that Restricted territories IS data must be available with minimum of infrastructure objects from the **1st of January, 2017**.

Intersection of Restricted Territories IS data and cadastral map

Cadastre

l.p.
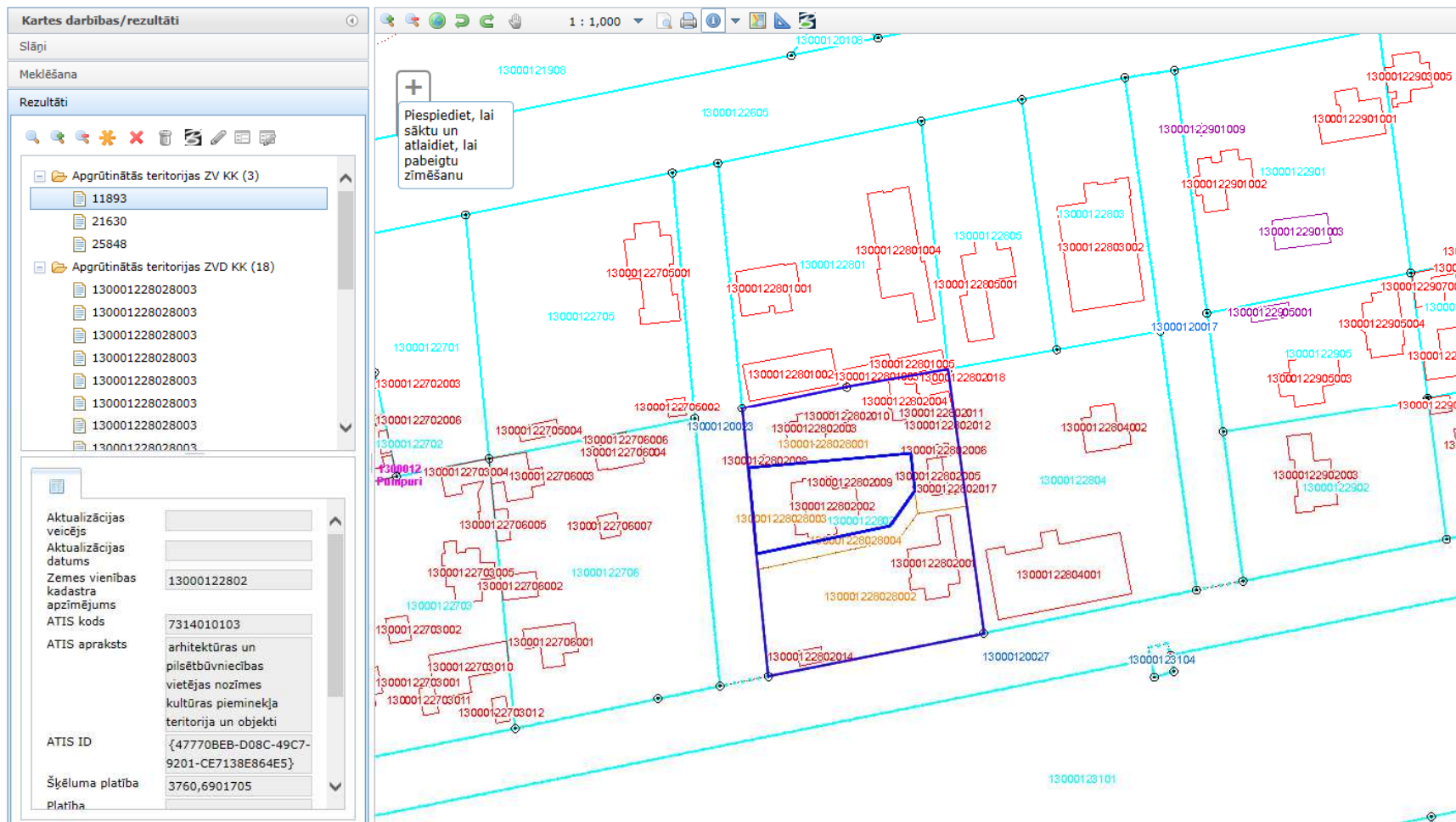
3.

2.

l.p.

1

4.

6.

5.

l.p.

l.p.

l.p.

RTIS

Restricted territory

Result after intersection = Encumbrance in Cadastre

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Intersection result

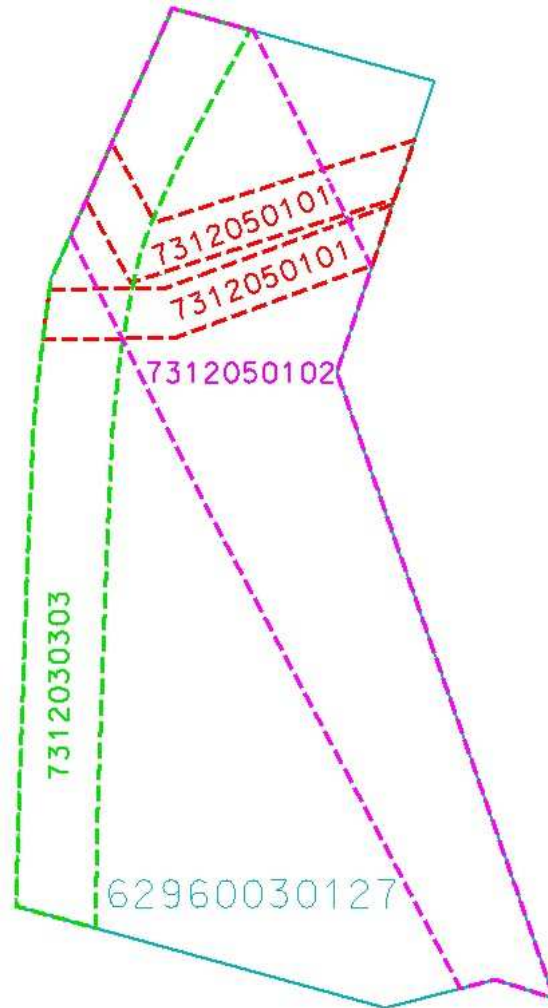# Cadastral map after intersection
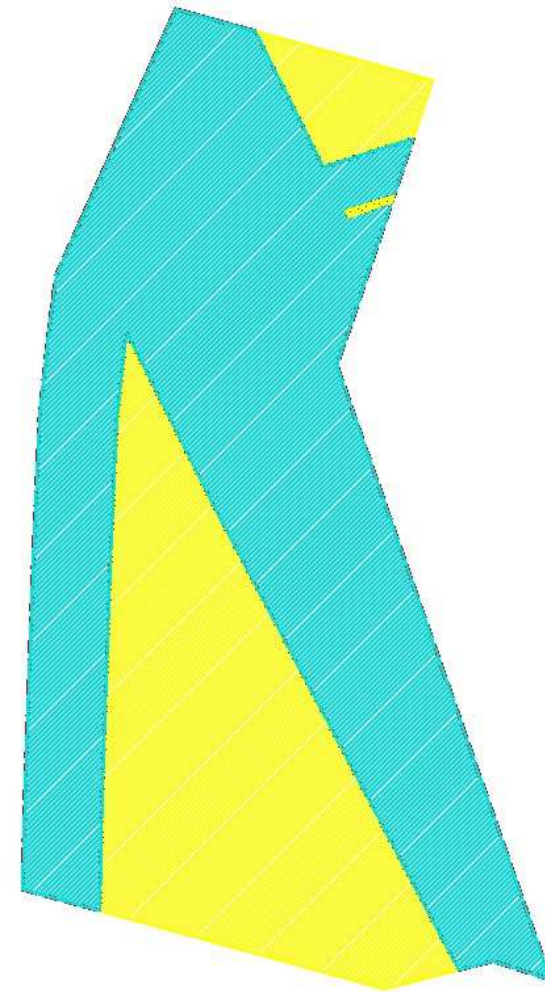

7312050101

7312050101

7312050102

7312030303

62960030127

Land parcel from cadastral map where are depicted encumbrances from intersected data of RTIS.

Land parcel from cadastral map where are shown depicted encumbered and unencumbered areas.

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Future vision for frequency of data registration and updating in Cadastre

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Mass update with encumbrances from intersection with Restricted Territories IS data twice a year:

- 1st of May,

- 1st of December.

If information in Cadastre is changed, also encumbrances from intersection with Restricted Territories IS data is updated.

Since the new registration of encumbrances affect the Cadastral Value of Real Property, it is necessary to change mass valuation model.

Future (1)

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E-services

Data browsing **without** contract

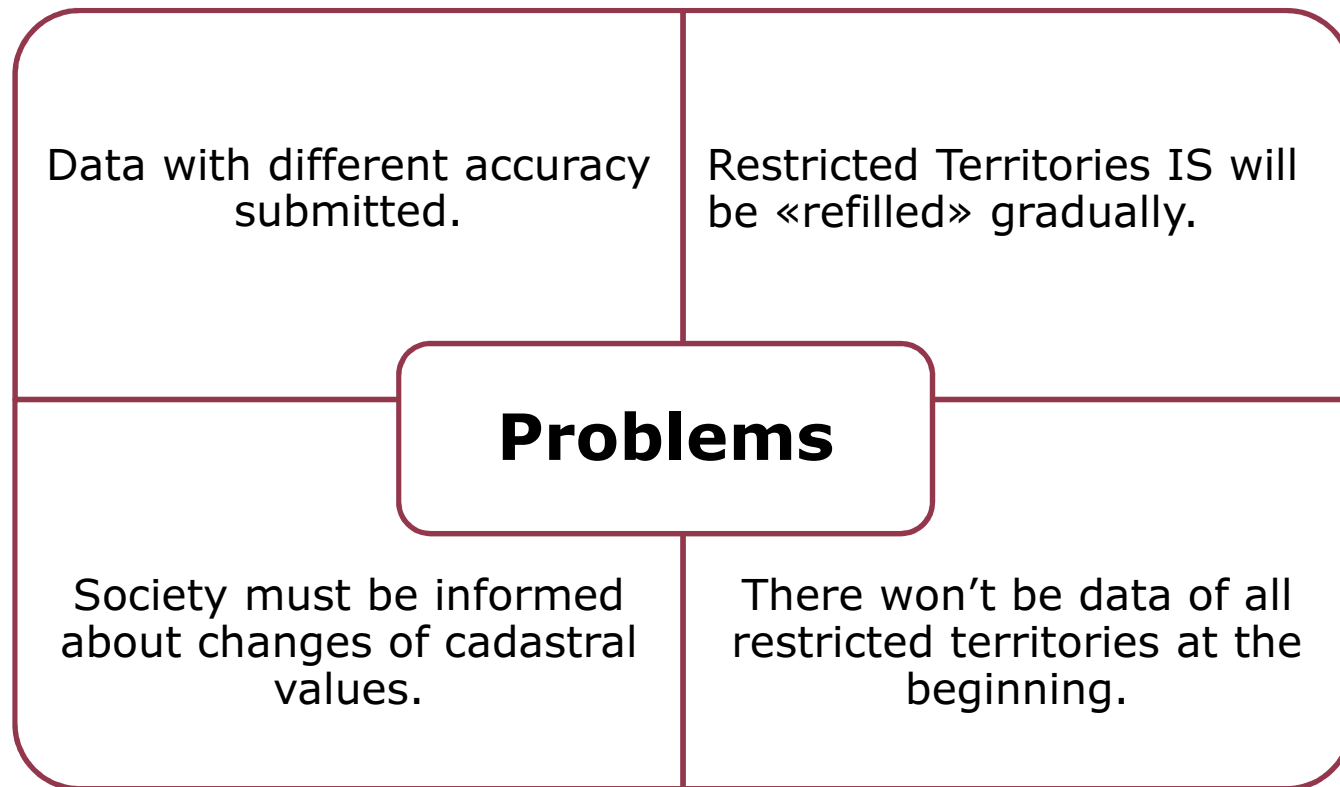a) Read-only spatial data of Restricted Territories IS

b) Thematic map browsing

Data browsing **with** contract

a) Download of restricted territories

b) Request for restricted territories (without objects)

c) Data provider's objects with restricted territories

Future (2)

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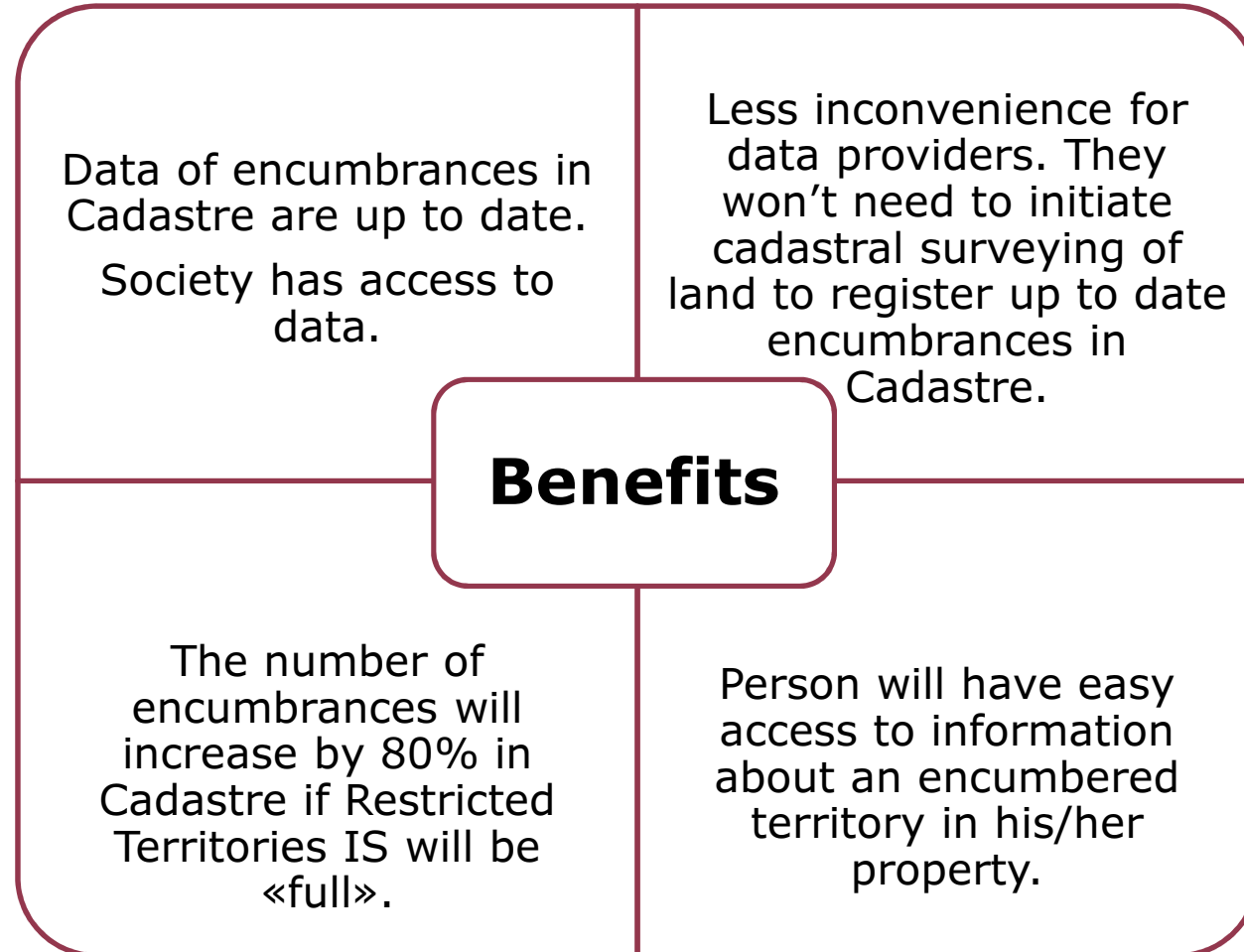
Data with different accuracy submitted.

Restricted Territories IS will be «refilled» gradually.

Problems

Society must be informed about changes of cadastral values.

There won't be data of all restricted territories at the beginning.

Future (3)

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Benefits

Data of encumbrances in Cadastre are up to date.

Society has access to data.

Less inconvenience for data providers. They won't need to initiate cadastral surveying of land to register up to date encumbrances in Cadastre.

The number of encumbrances will increase by 80% in Cadastre if Restricted Territories IS will be «full».

Person will have easy access to information about an encumbered territory in his/her property.

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Thanks for attention!