

# E-SERVICES TO CITIZENS, GOVERNMENT AND BUSINESSES. LITHUANIA EXPERIENCE

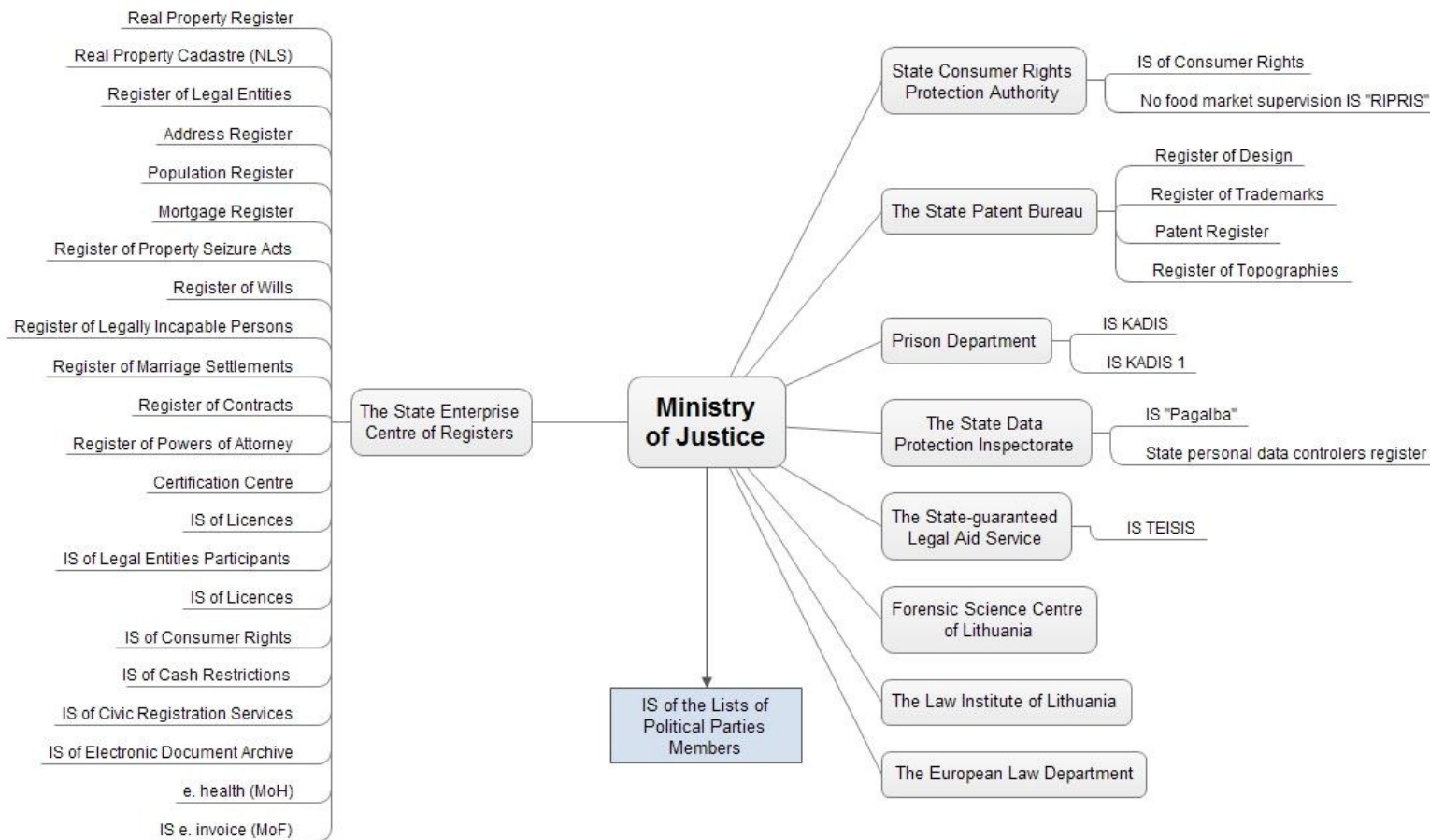
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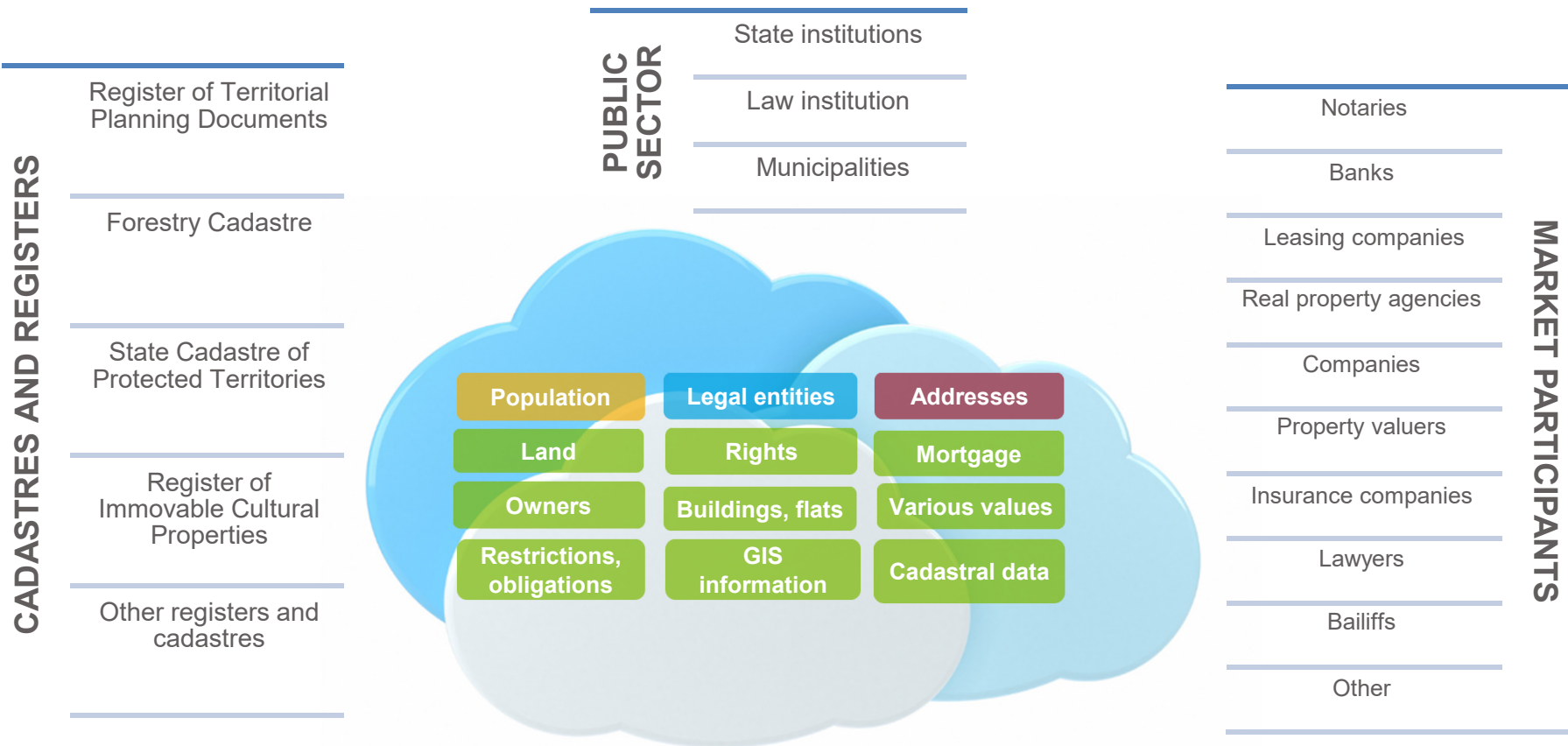
VALSTYBĖS ĮMONĖ  
**REGISTRŲ CENTRAS**



# REGISTERS AND IS MANAGED BY THE MINISTRY OF JUSTICE



# CENTRAL DATA BANK AND E-SERVICES OF SECR



CDB OF THE CENTRE OF REGISTERS

# MAIN PRINCIPLES FOR IMPLEMENTING SMART CONVEYANCING

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Only digital data have legal power



Full integration with the base state cadastres and registers



No paper documents



Full integration of graphical, attribute and visual data

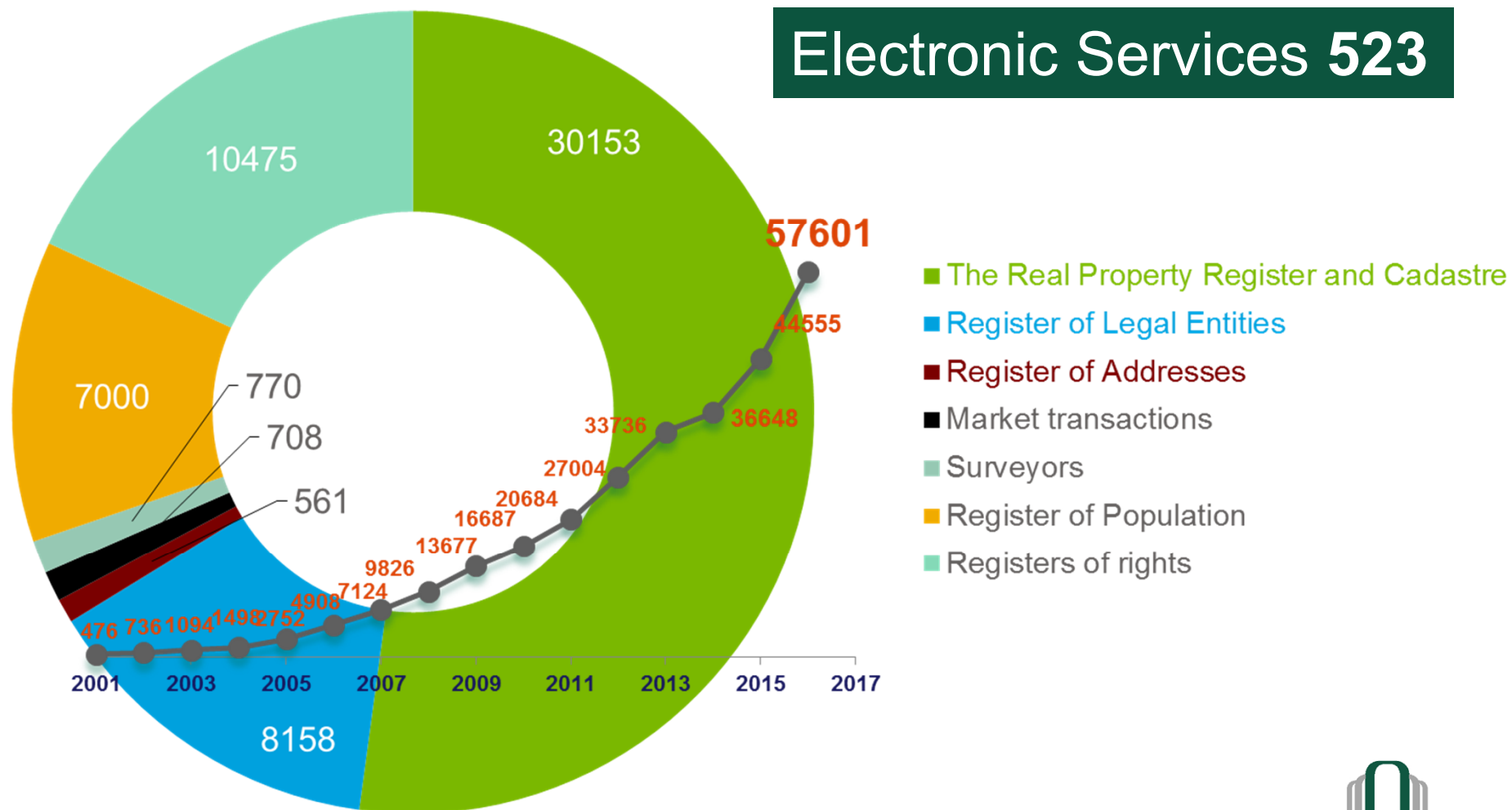


Preparation and provision of e-documents



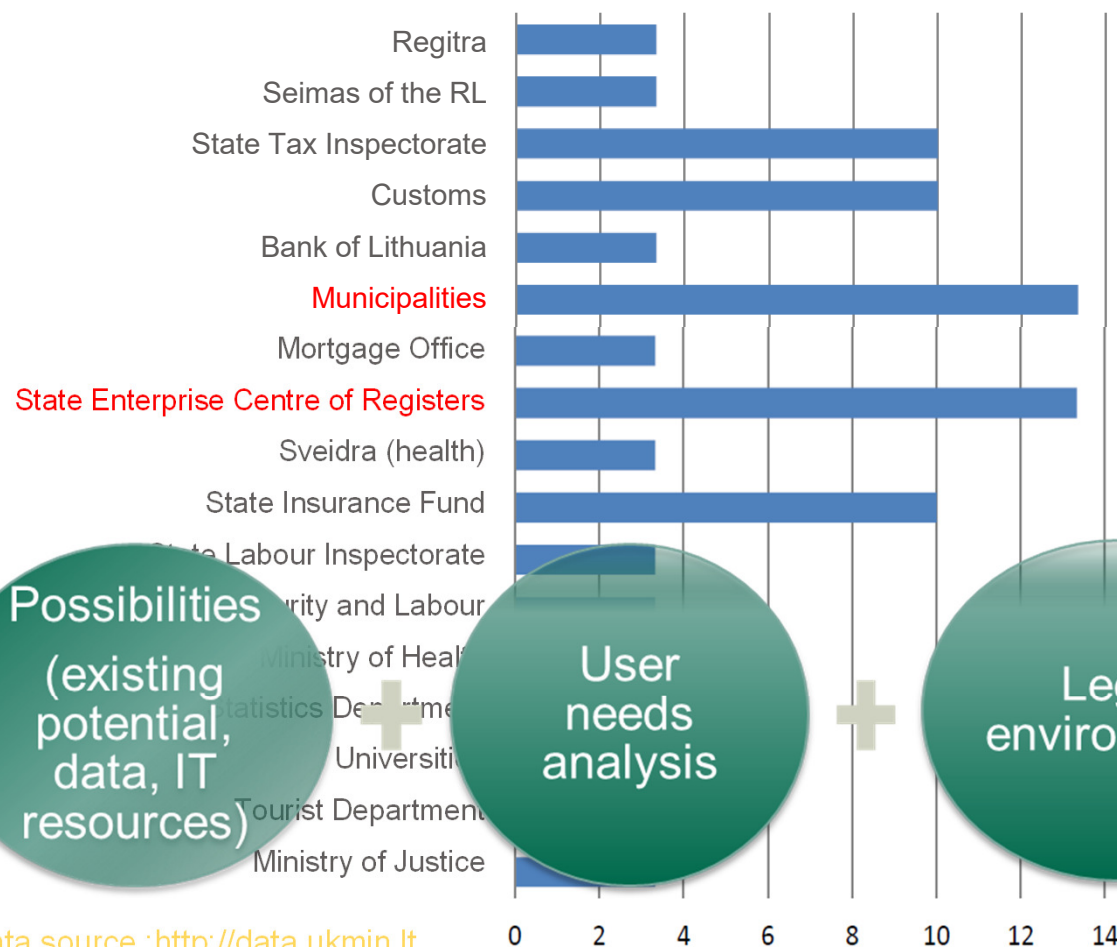
# SECR ELECTRONIC SERVICES

Electronic Services 523

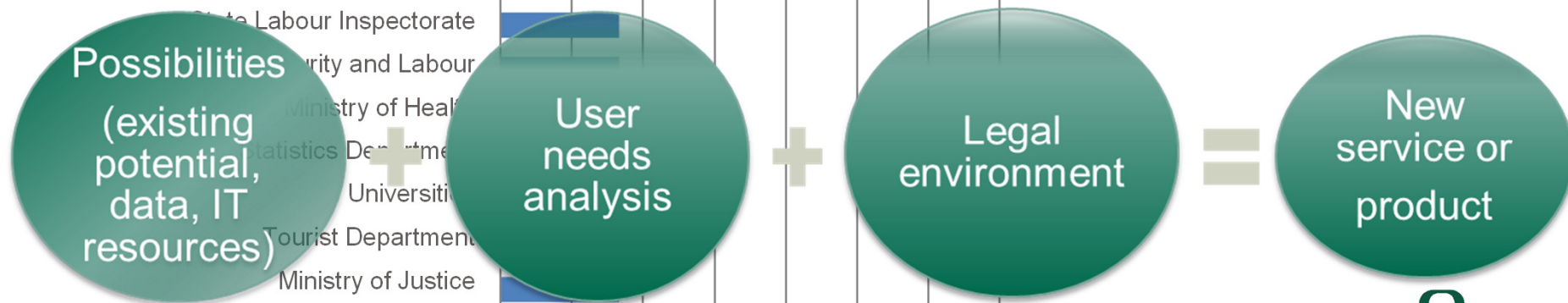


# NEED FOR DATA

Need for data %



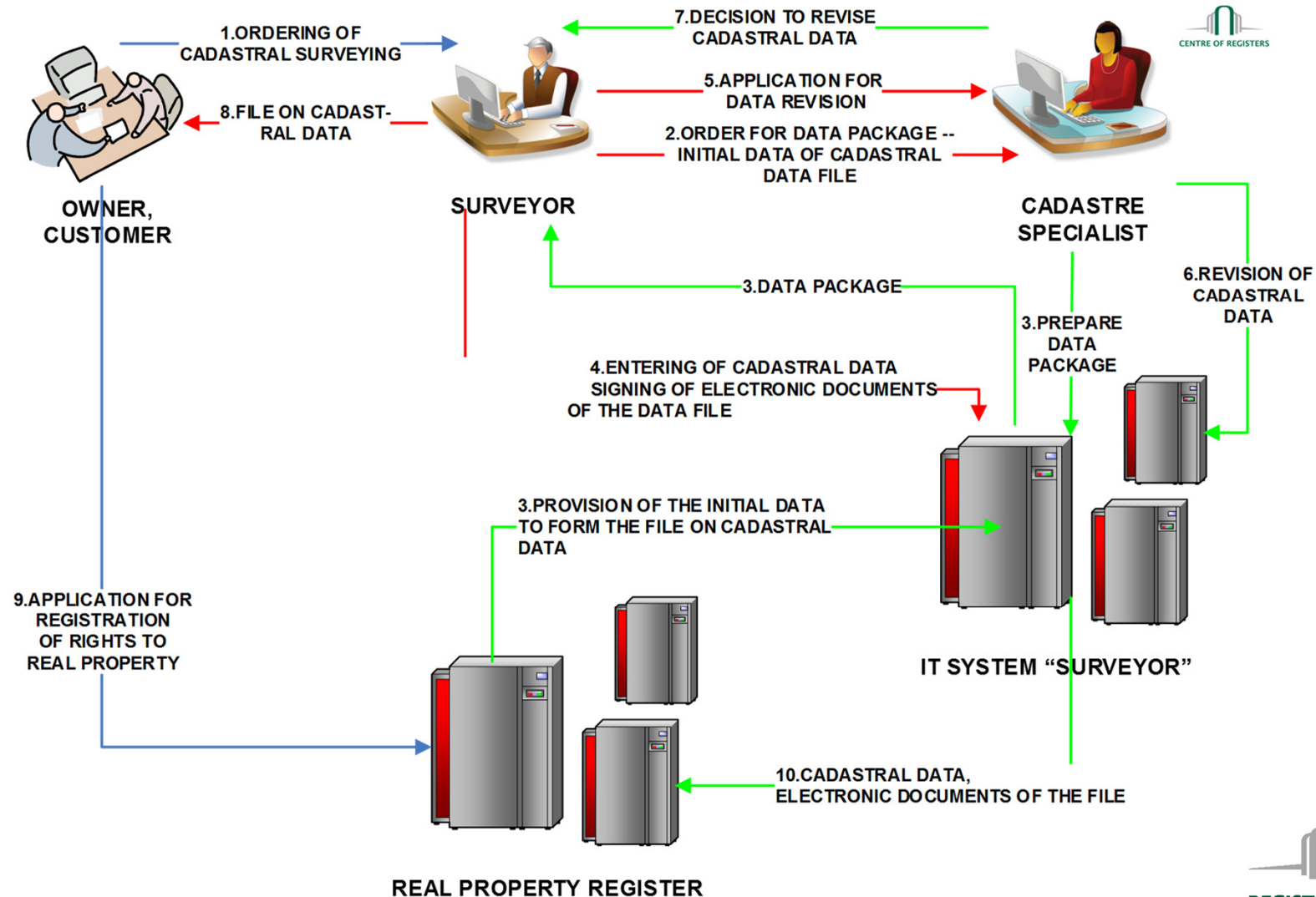
Statistics show great demand for SECR data



Data source : <http://data.ukmin.lt>

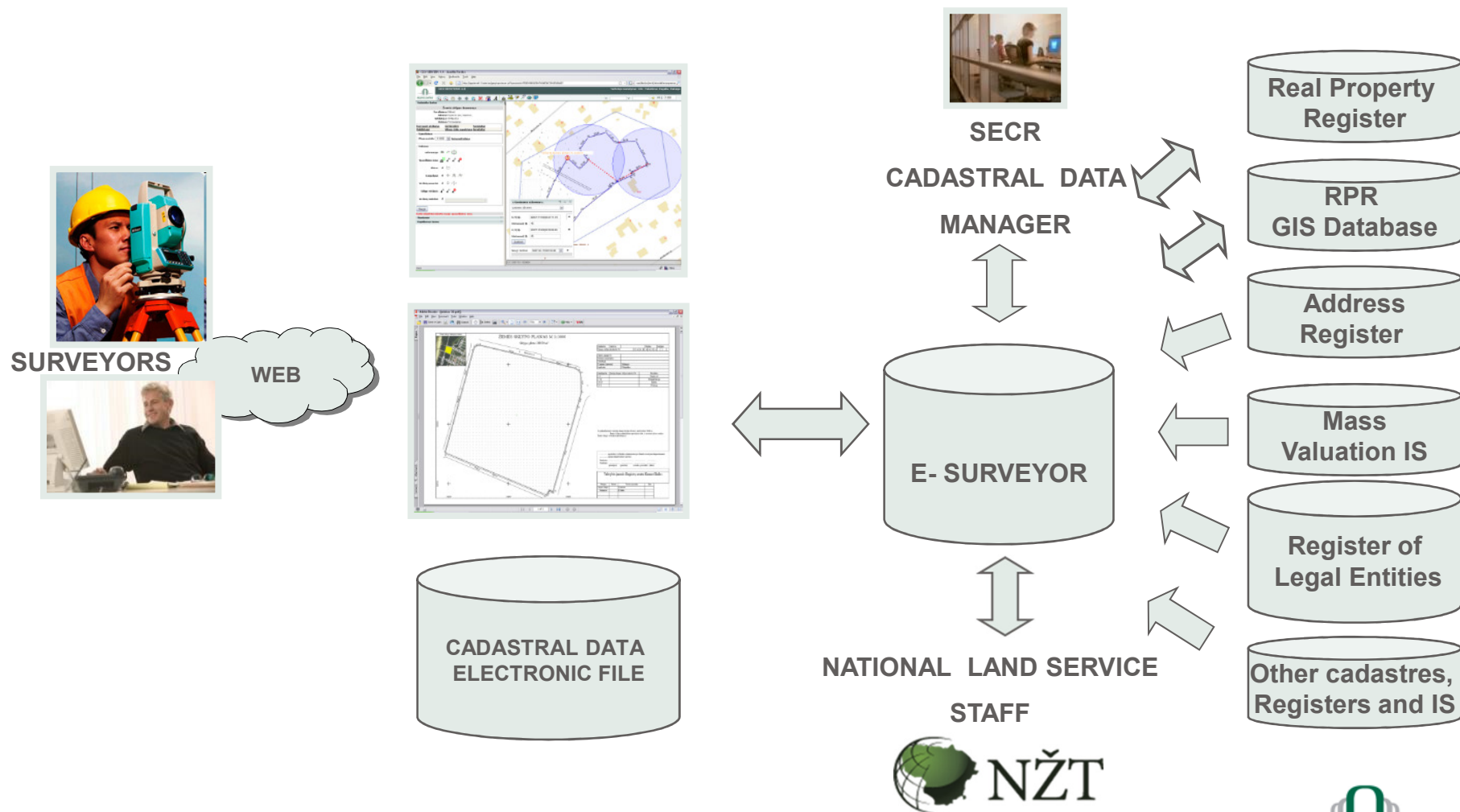
# GEOINFORMATION SYSTEM OF REAL PROPERTY CADASTRE

# SUBSYSTEM „SURVEYOR“. OPERATIONAL PROCESS

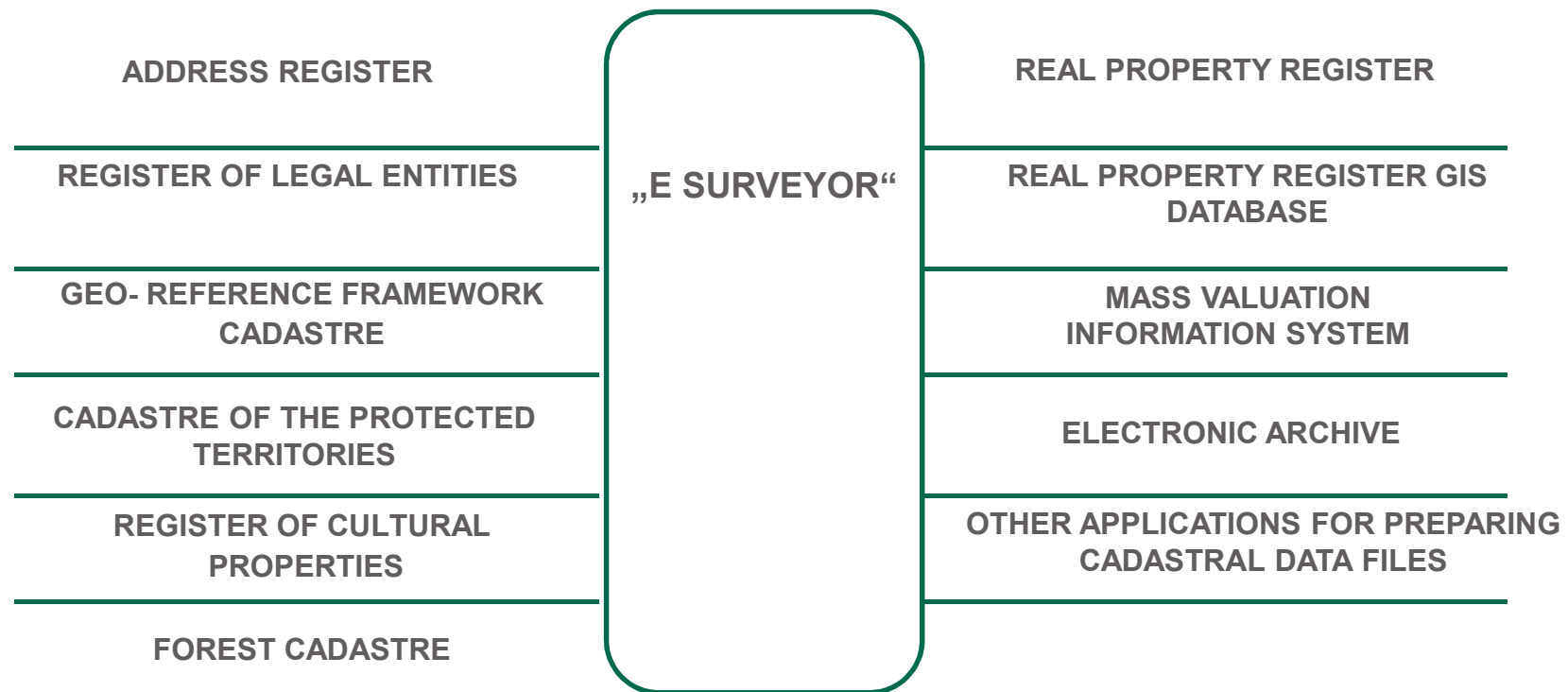




# MAIN AIMS FOR CREATING SUBSYSTEM “E-SURVEYOR”



# SUBSYSTEM “GEOSURVEYOR”. INTEGRATION



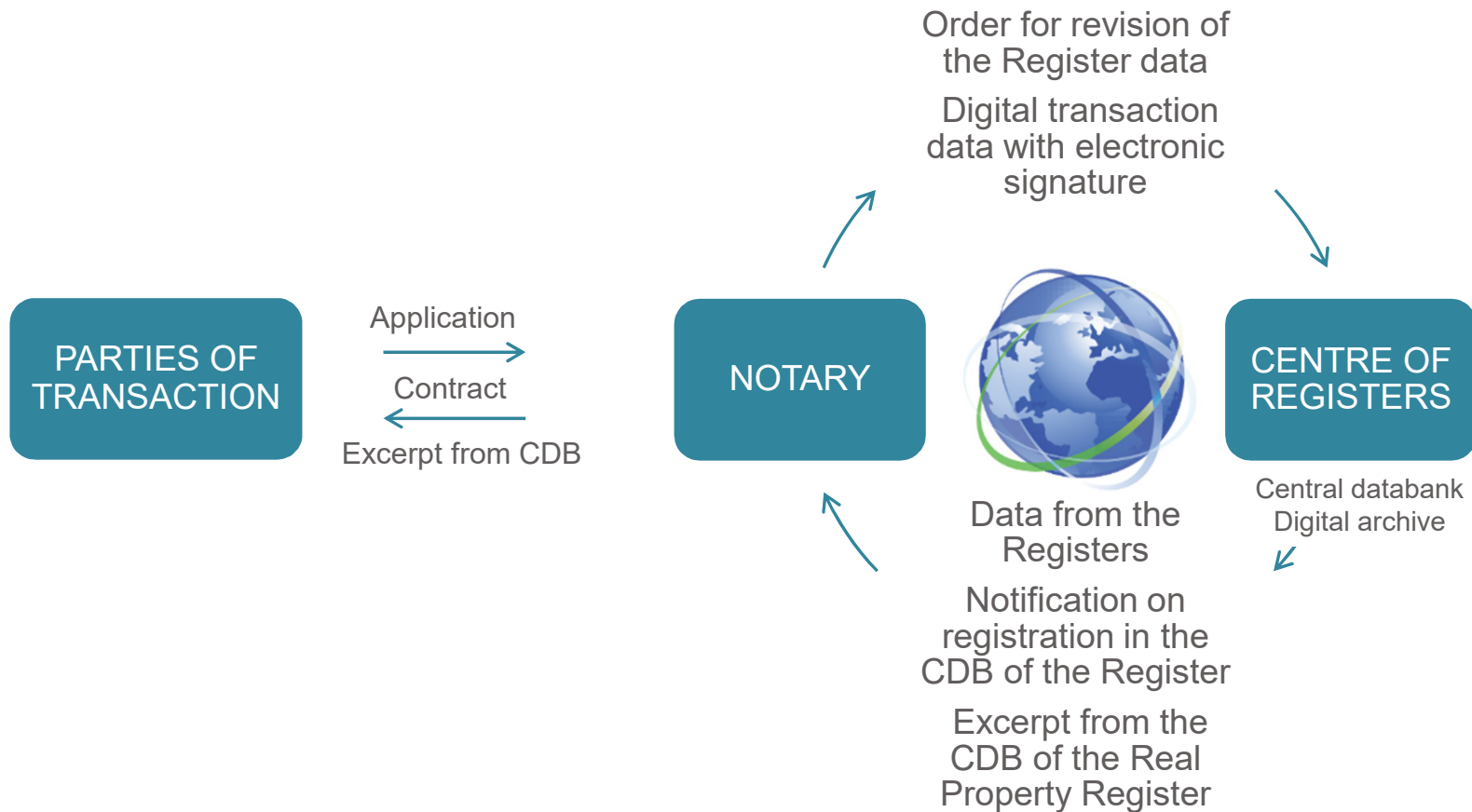
# MAIN AIMS FOR CREATION OF “SURVEYOR”

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- Web-based software for processing digital cadastral data, with access to as many as possible online data needed for surveying;
- Optimisation of the processes for preparation of digital cadastral data file;
- Submit the prepared cadastral data electronic file for revision and registration;
- Optimisation of the processes for revising cadastral file and registering;
- Partly automate revision of cadastral data file and registration processes;
- Increased quality of preparing cadastral data file;
- Standardization of digital cadastral data.

# INFORMATION SYSTEM OF PUBLIC E-SERVICE FOR REAL PROPERTY TRANSACTIONS (NETSVEP)

# REAL PROPERTY TRANSACTION AND REGISTRATION



## STATISTICS OF NETSVEP

On 15 July 2009, the first real property transaction agreement was prepared and signed electronically.

In May 2013, notaries, using NETSVEP IS, submitted a **millionth request** for transaction data processing, registration of legal facts, ownership and other real rights.



Using NETSVEP, the notaries prepare and attest 1500-2000 agreements and submit about 1200 legal facts for registration on the concluded transactions per day in the country.

# DOING BUSINESS 2017 – EFFICIENCY OF REGISTERING PROPERTY

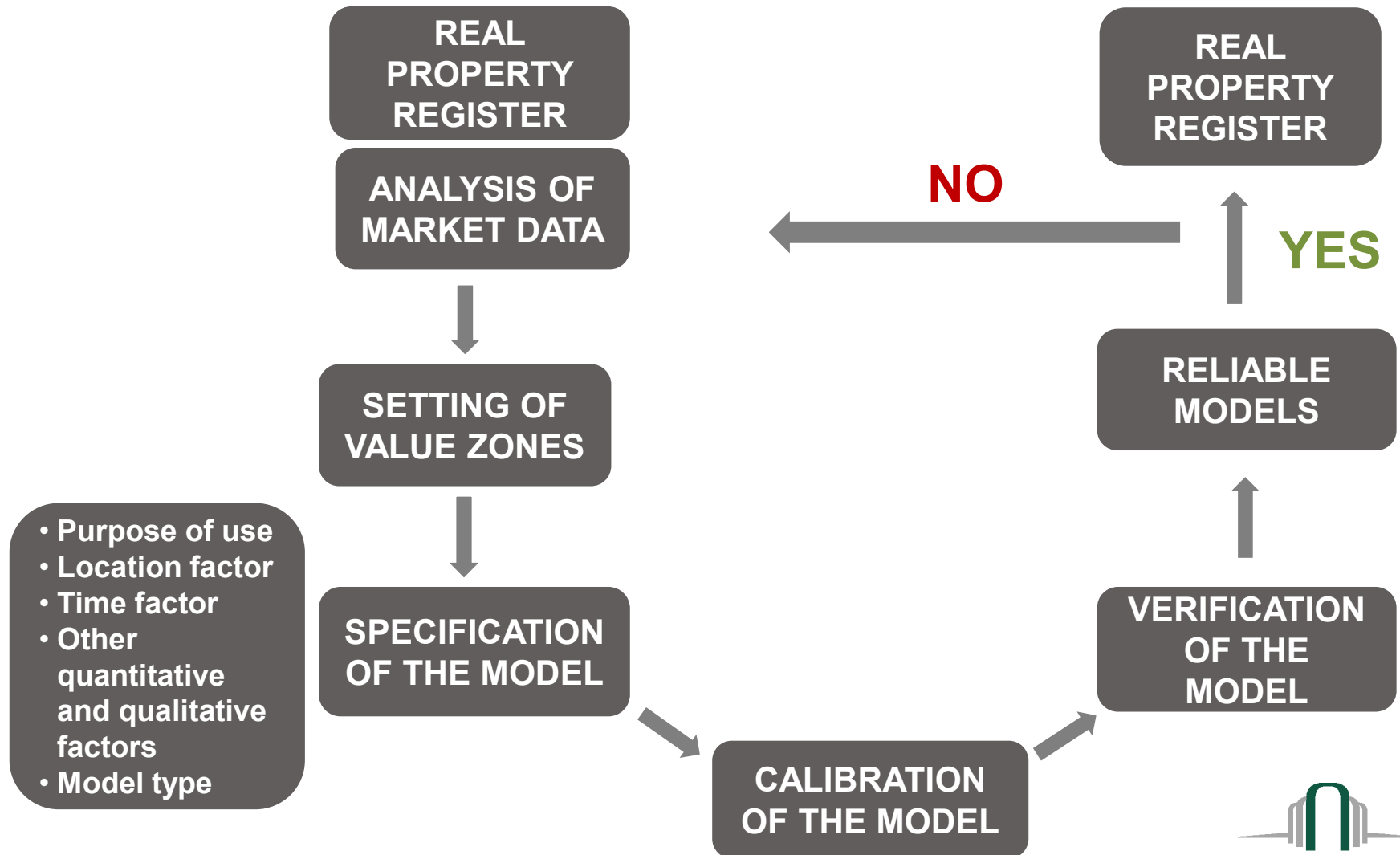
According to Doing Business 2017 report, Lithuania is the second (2) among 190 countries in the category of efficiency of property registration.

Indicators	Eastern Europe and Central Asia countries, in average	Lithuania
Number of procedures	5,3	3
Time (days)	20,6	3,5
Expenses (% property value)	2,5	0,8

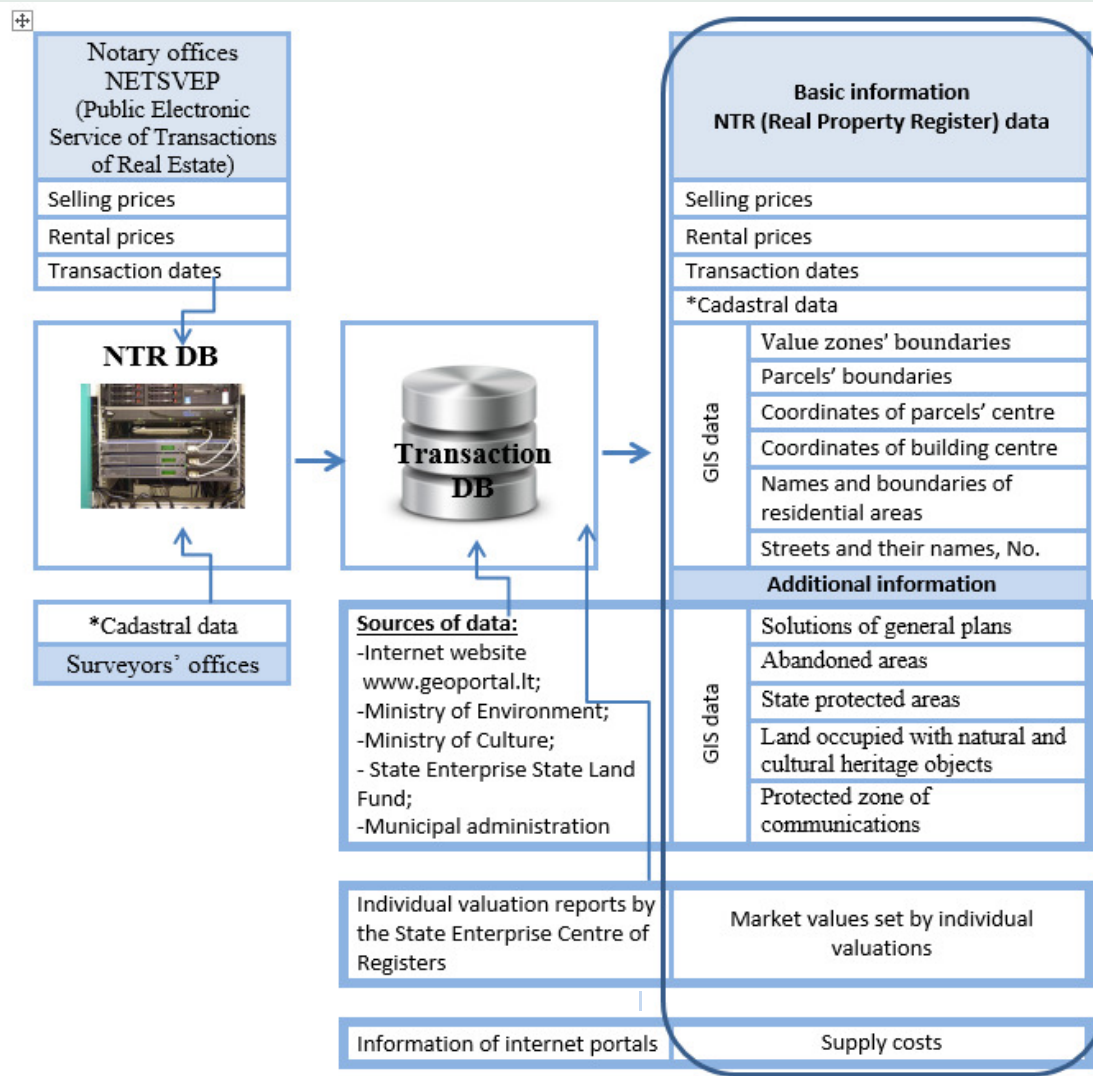
# INFORMATION SYSTEM OF THE REAL PROPERTY MARKET RESEARCH AND PROPERTY VALUATION



# MASS VALUATION PROCESS

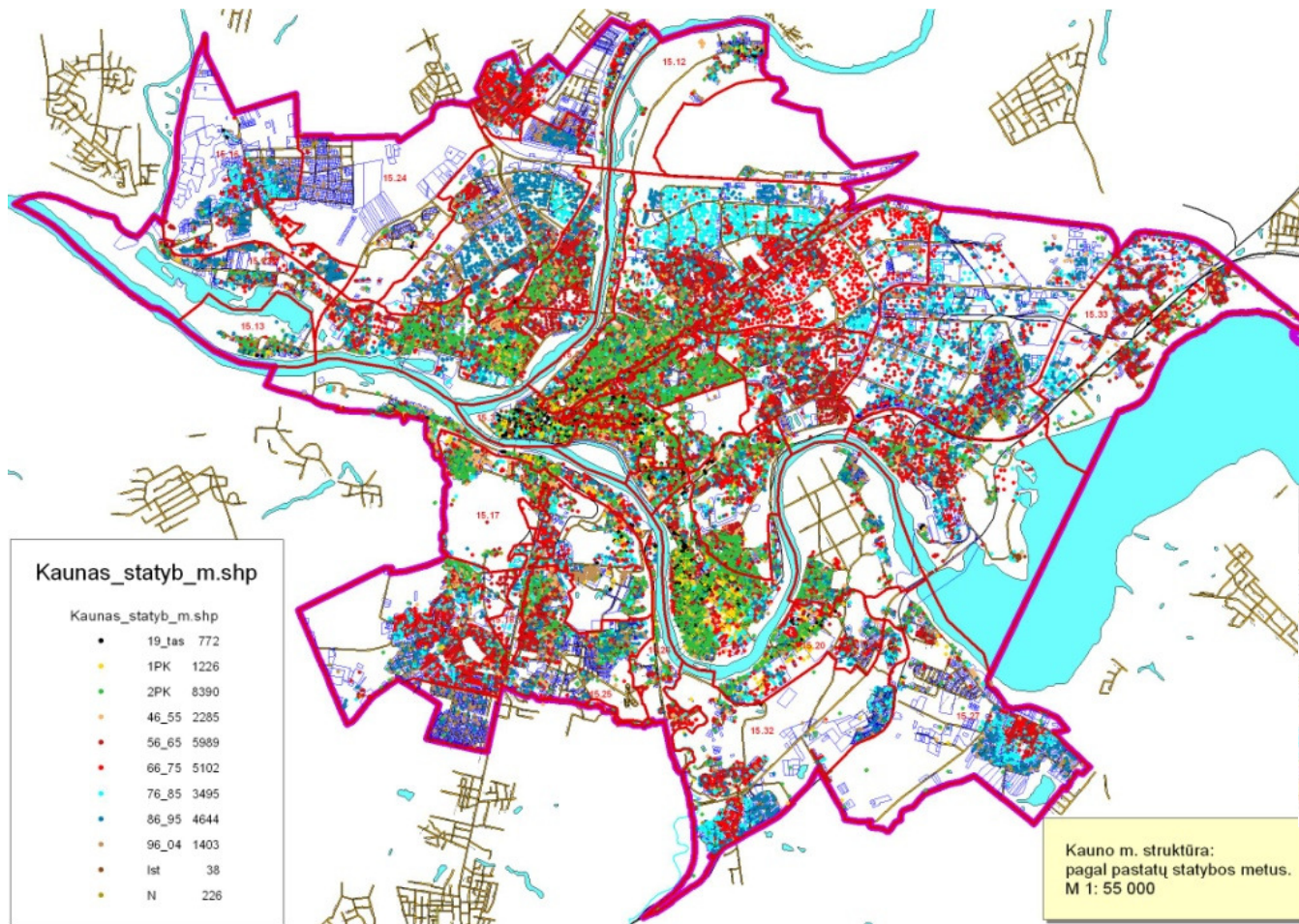


# INFORMATION USED FOR THE MODELS OF REAL PROPERTY MASS VALUATION

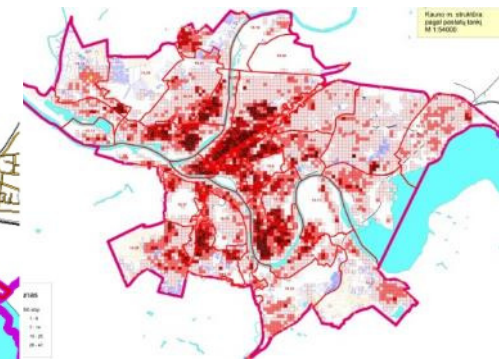


# ANALYSIS OF MARKET DATA USING GIS

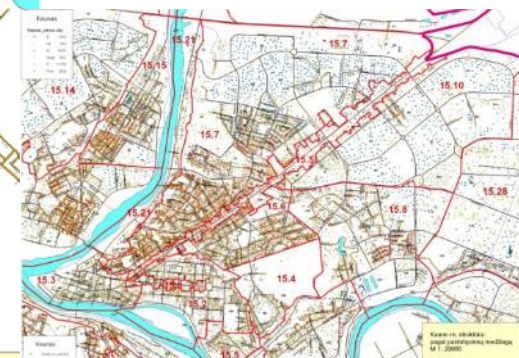
By year of construction



By density of buildings



By wall material



# LAND VALUATION MODEL

Alytus city

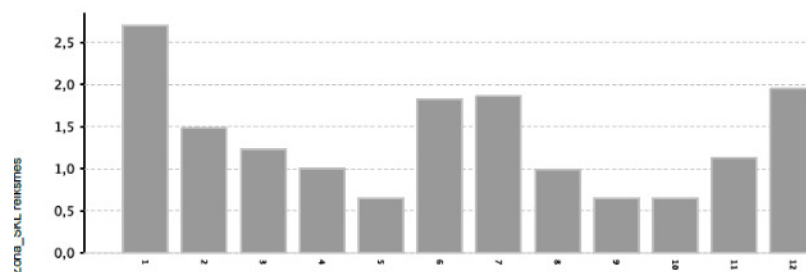
## Household land model

Modelis Nr.: 11501.

$VRV = ((0,71) \wedge \dot{Z}Bpl\_BIN \times \dot{Z}Bpl\_SKF^{(0,907)} \times Zona\_SKL^{(1,06)} \times (1,1) \wedge Kd\_BIN \times (0,6) \wedge Kbn\_BIN \times (0,9) \wedge Ku\_BIN \times (3717 \times \dot{Z}Bpl\_RKS) \times (1 - (\dot{Z}elektr.lin/\dot{Z}Bpl) \times (1 - 0,3)))$

Value zones

Verčių zonų Zona\_SKL reikšmės



Verčių zonos

Modelio kintamųjų taikymo sąlygos ir reikšmės:

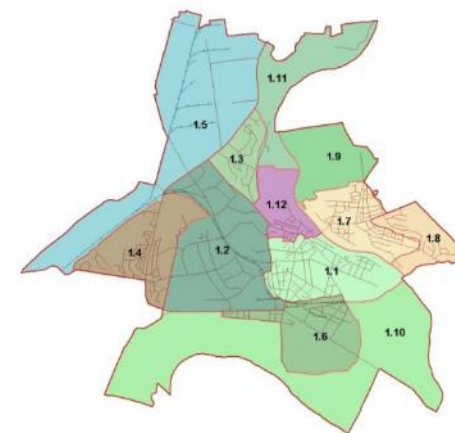
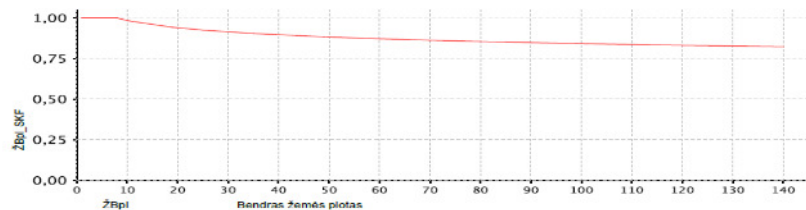
Bendras žemės plotas					Laipsnis: ŽBpl_BIN		Pagrindas: 0.71	
.000001-3.999999		1.0	4.1000000		0.0			

Daugiabučių pastatų	Laipsnis: $Kd\_BIN$	Pagrindas: 1.1
Daugiaaukščių teritorija	1.0	

Bendro naudojimo teritorija	Laipsnis: $Kbn\_BIN$	Pagrindas: 0.6
Bendro naudojimo teritorija	1.0	

Užstatyta teritorija	Laipsnis: $Ku\_BIN$	Pagrindas: 0.9
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Bendras žemės plotas	$\dot{Z}Bpl\_SKF$	Laipsnis: 0.907
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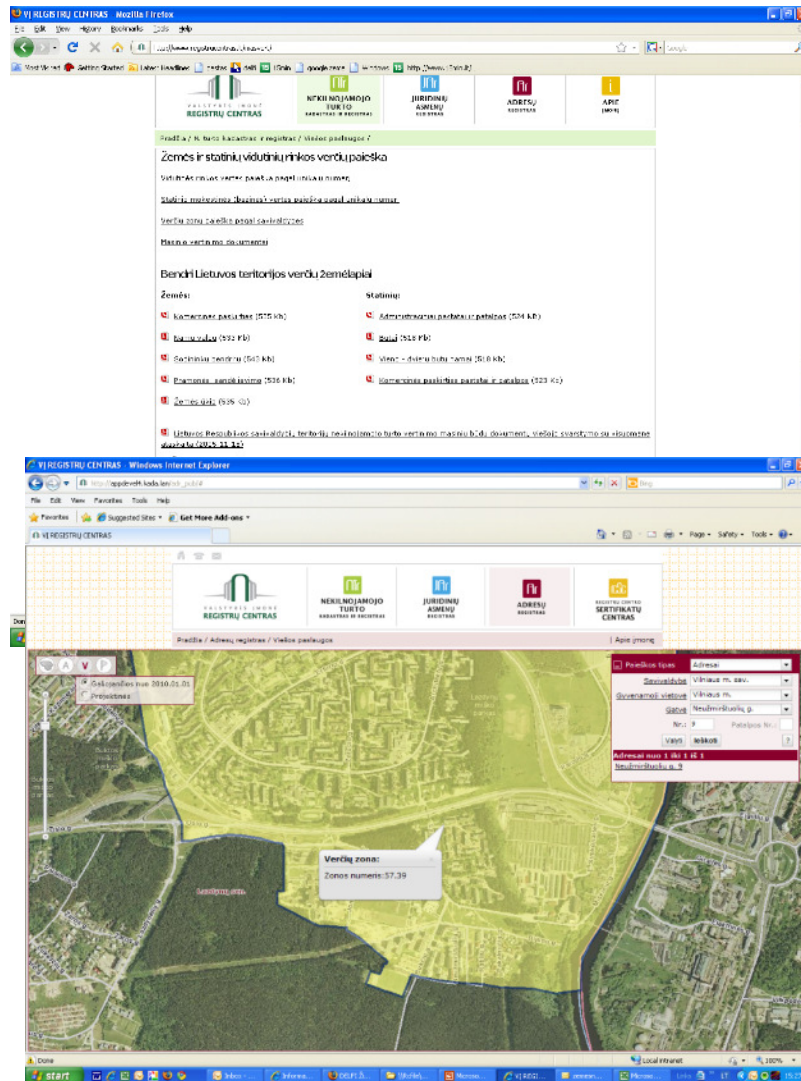


Area of land parcel  
One family/multistorey  
Common use areas  
Built-up territory  
Total land area



# MASS VALUATION RESULTS THROUGH THE INTERNET

## *www.registrucentras.lt* (OPEN FOR PUBLIC)



### Textual data

- Search for the average market value by unique number;
- Search for the taxable (base) value of the building by unique number;
- Search for value zones by municipalities, residential areas, streets;
- Mass valuation documents, materials of public discussions.

### Graphical data

- Value maps of the territory of municipalities and Lithuania;
- Graphical search for value zones (through the Address Register).

# REGIONAL GEO-INFORMATION ENVIRONMENT SERVICE

- REGIA is a powerful and handy tool specifically developed for local authorities: their people, civil servants and therein operating businesses.
- Purpose of REGIA is to create favourable conditions for geography-based decision-making and to facilitate the exchange of information.



# REGIA OPERATIONAL SCHEME



Working in the service environment, the REGIA users can:

- create and manage their own data layers
- store and manage information or documents
- decide whether his data layer is publicly visible & who is entitled to use it
- services in the review mode are publicly accessible

# CLOUD PRINCIPLE



- All information created by a user, data recorded, uploaded documents are accumulated and stored in the REGIA servers and are accessible from any computer.
- Easy to use. It is enough to have a computer with Internet connection.
- All services are managed through the web browser.



# BASIC DATA PLATFORM & OTHER INSTITUTIONS DATA

## OTHER STATE REGISTERS AND MINISTRIES

National Land Service at the Ministry of Agriculture

Department of Cultural Heritage under the Ministry of Culture

State Service For Protected areas under the Ministry of Environment

State Forest Cadastre of the Republic of Lithuania

Ministry of Education and Science of the Republic of Lithuania

Fire and Rescue Department under the Ministry of Interior of the Republic of Lithuania



## ELECTRICAL POWER & GAS DISTRIBUTION

ESO

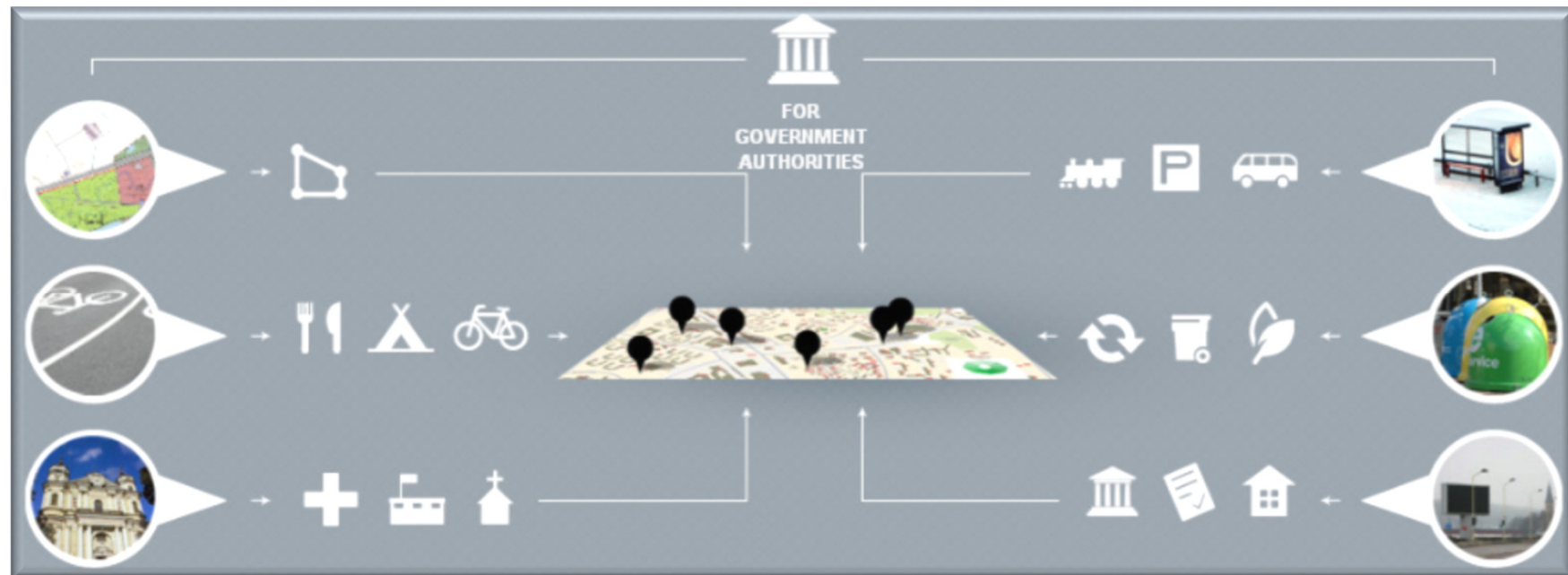
## MUNICIPALITIES



# REGIA SERVICES FOR GOVERNMENT AUTHORITIES

Given the needs of municipalities, municipal employees can create and publish data and information about the following:

- Territorial planning
- Recreation and tourism
- Public objects
- Engineering infrastructure and communications
- Waste management
- Other important objects



# REGIA SERVICE ADMINISTRATOR ENVIRONMENT

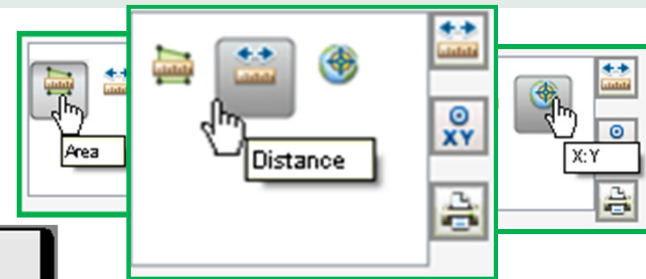
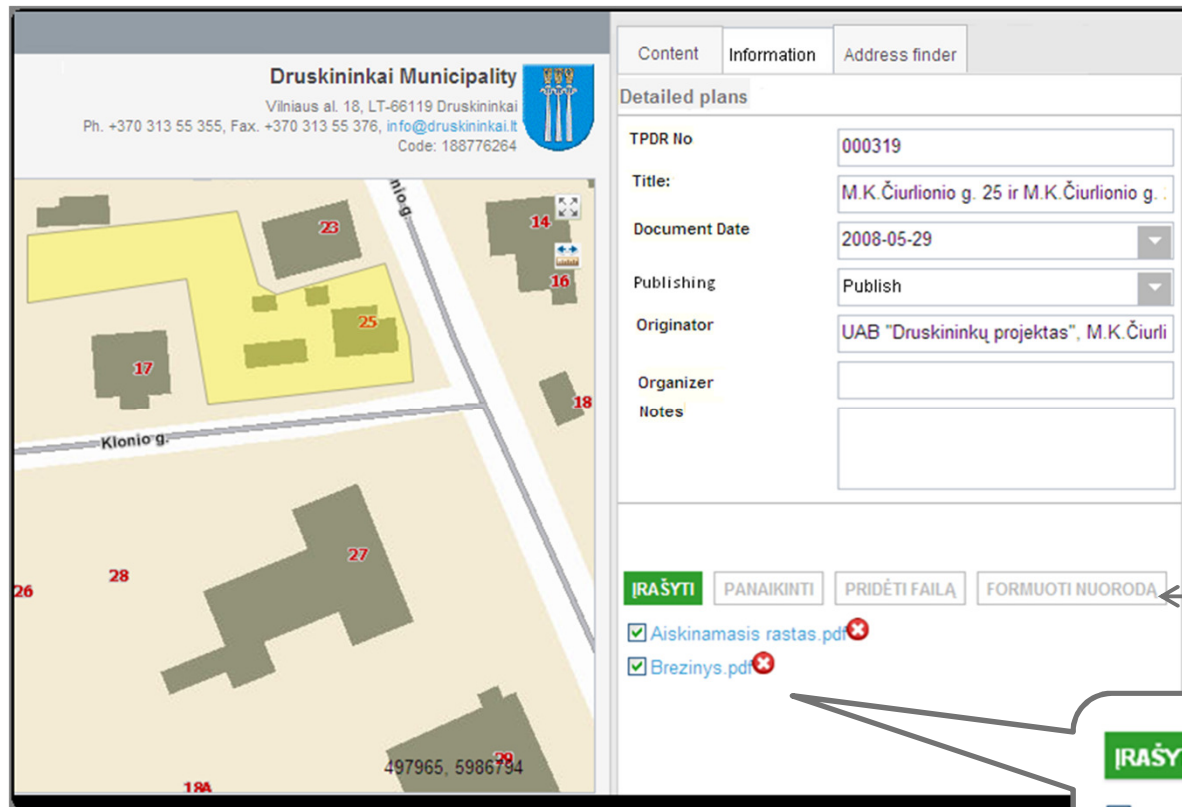
Within its managed data layer, the administrator can store and manage own data, information or documents, create and provide services based on geo-referenced data.

The screenshot displays the REGIA Service Administrator Environment interface. On the left, a map shows a residential area with various icons representing different services. The top left corner features the REGIA logo and a 'Help' button. The right side of the interface contains a sidebar with a 'Content' tab and an 'Address finder' tab. The 'Content' tab is active, showing a list of service categories. A callout box highlights the 'Civil and fire safety' category, which includes several sub-items:

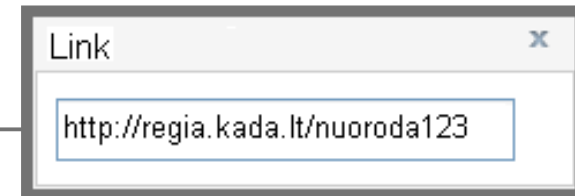
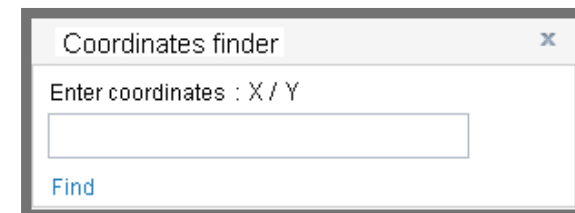
- Storage areas
- Access roads to water
- Information and warning System
- Dislocation of the fire brigade
- Accommodation for evacuated citizens
- Water intake areas
- Resident's collection point
- Distribution point of evacuated citizens

The sidebar also lists other categories such as Municipal activities, Roads, Objects under privatisation, Cultural heritage, Public objects, Waste management, Engineering infrastructure, Territorial planning, Real property values, Headquarters of legal entities, Land parcels, and Orthophoto.

# EASY TO USE, USEFUL TOOLS



Measure area & distance,  
Identify coordinates



Published documents





# PUBLIC REGIA

- It is up to the user to decide whether his data layer is publicly visible and who is entitled to use it.
- REGIA services in the review mode are publicly accessible.

The screenshot displays the REGIA web application interface. At the top, there is a header with the REGIA logo, a 'Help' link, a 'Sign in' button, and flags for Lithuania and the United Kingdom. Below the header, the 'Druskininkai Municipality' section provides contact information: 'Vilniaus al. 18, LT-66119 Druskininkai', 'Ph. +370 313 55 355, Fax. +370 313 55 376, info@druskininkai.lt', and 'Code: 188776264'. The main area features a map of Druskininkai with various colored icons representing different data layers. A popup window is open over a specific location, displaying the following information:

- TPDR No.: 000319
- Title: M.K.Čiurlionio g. 25 ir M.K.Čiurlionio g. 25C, Druskininkuose, sklypų sujungimo detalusis planas
- Originator: UAB "Druskininkų projektas", M.K.Čiurlionio g 75, Druskininkai
- Document Date: 2008-05-29
- Links: [Brezinys.pdf](#) and [Aiskinamasis rastas.pdf](#)

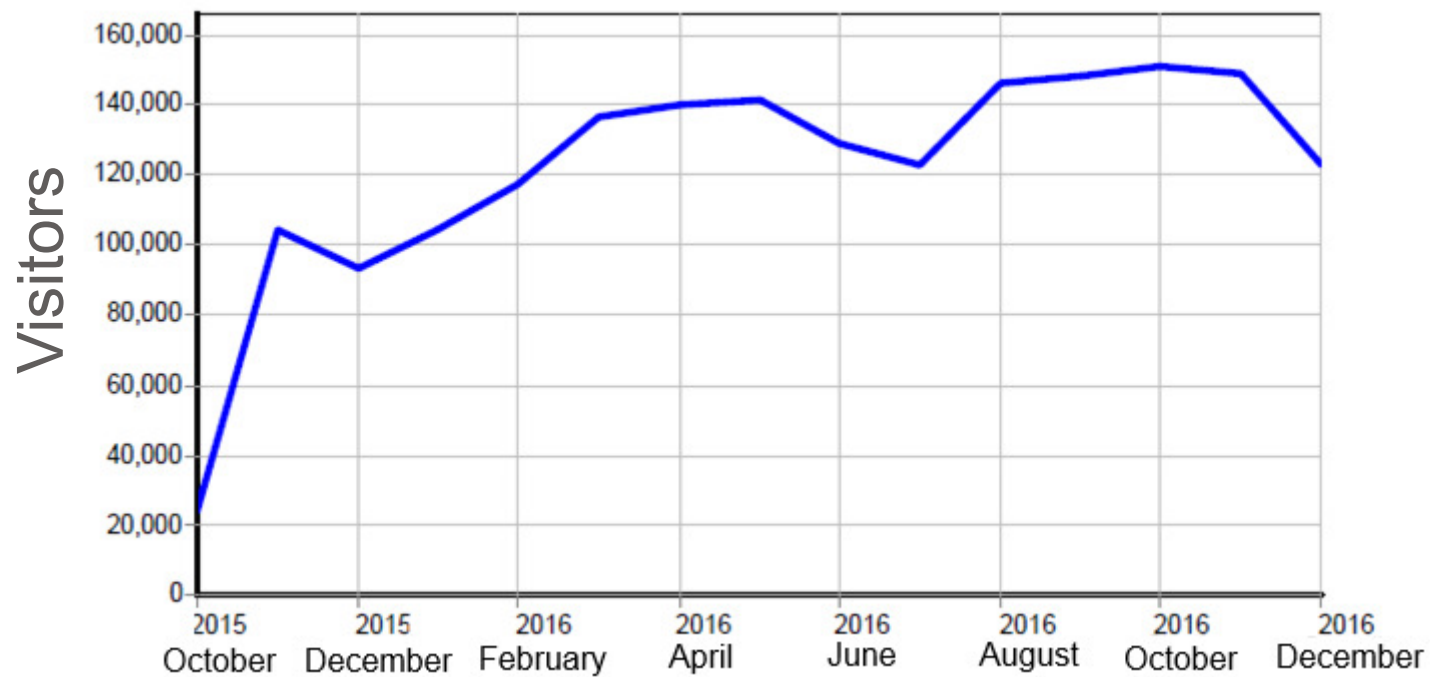
On the right side, there is a sidebar menu with two tabs: 'Content' and 'Address finder'. The 'Content' tab is active, showing a list of data layers with checkboxes and expand/collapse icons:

- ☒ Municipal activities
- ☒ Cultural heritage, Protected territories, Recreation and tourism
- ☒ Public objects
- ☐ Waste management
- ☐ Engineering infrastructure and communication
- ☒ Territorial planning
- ☐ Real property values and abandoned areas
- ☐ Land parcels
- ☐ Headquarters of legal entities
- ☒ Orthophoto

A red arrow points from the 'Aiskinamasis rastas.pdf' link in the popup to a separate window showing a detailed technical drawing or map of the property, which includes a legend, scale, and other technical details.

# REGIA VISITOR STATISTICS

The annual number of visitors: 1 830 944



# MOBILE MAPPING E-SERVICES

Services to notify of a problem

smartphone



mobile  
electronic  
signature

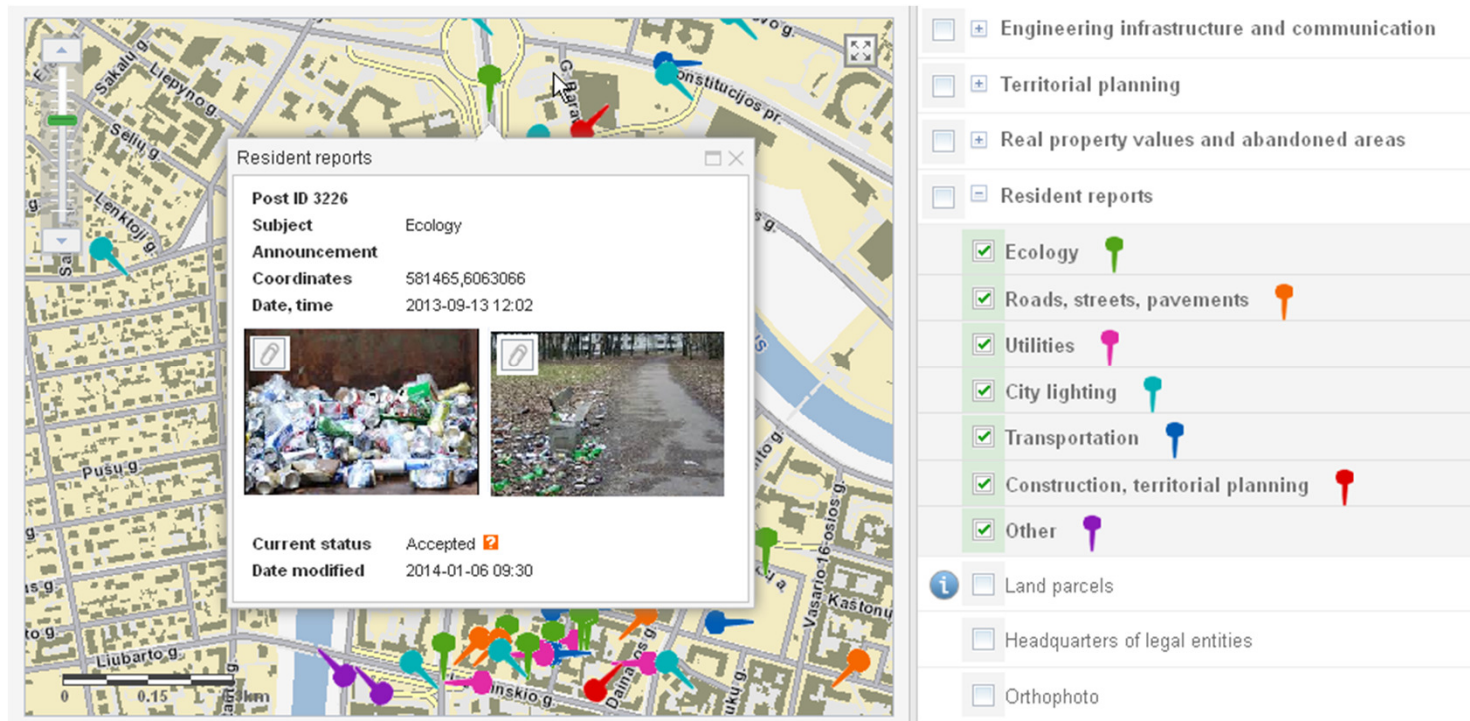


REGIA  
app



# RECEIVING MESSAGE IN REGIA ENVIROMENT

- Location is displayed in REGIA map
- Notification contains:
  - data on messenger
  - problem description & photos
  - date, time and place of sending
- Administrating of notifications





# INTEGRATION OF VIRTUAL ADDRESS SERVICE AND REGIA

- REGIA map allows selecting an area and addresses therein
- Messages and electronic documents may be sent to the addresses selected

The image displays two screenshots of the REGIA web application interface, demonstrating the integration of a virtual address service.

**Left Screenshot:** Shows a map view with a red polygon highlighting a specific area. A tooltip indicates: "Dvigubu paspaudimu baikite bręži" (Click twice to finish drawing). The map includes a scale bar (0, 50, 100m) and a coordinate display (148709, 496294). The interface includes a top bar with "Pagalba" and "Atsijungti" links, and a sidebar with tabs: "Pranešimai", "Informacija", "Adresų paieška", and "Pranešimų siuntimas".

**Right Screenshot:** Shows the same map view, but with the "Adresų paieška" (Address Search) tab selected. The "Adresas" (Address) list on the right contains the following entries:

- Druskininkai, M. K. Čiurlionio g. 73 / Druskininkų g. 1
- Druskininkai, Druskininkų g. 11
- Druskininkai, Druskininkų g. 4
- Druskininkai, Druskininkų g. 8
- Druskininkai, Druskininkų g. 21
- Druskininkai, Druskininkų g. 10
- Druskininkai, M. K. Čiurlionio g. 70

The "Antraštė:" (Subject) and "Pranešimas:" (Message) fields are empty. The "Siuntėjas:" (Sender) field is also empty. The "Siųsti" (Send) button is visible at the bottom right.





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**THANK YOU FOR YOUR ATTENTION!**

**[www.registrucentras.lt](http://www.registrucentras.lt)**

**[www.regia.lt](http://www.regia.lt)**

