



# The Place Names in the National Geoportal of Lithuania

Rita Viliuviene, SE „GIS-CENTER“, Lithuania

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# Rationale for the single Toponymy dataset and related service in Lithuania

- Different organizations in Lithuania collect the place names of Lithuania
- The place names not always are related with the map information in these collections
- The standardized forms of the place names not always are identified in these collections
- There are quite a number of objects that are not stored in the state registers and cadasters due to their characteristics
- some objects do not have names or the official name is unacceptable for various reasons, so people often give those objects alternative names

## The purpose of the Toponymy dataset of Lithuania

The National Land Service Under the Ministry of Agriculture of the Republic of Lithuania who is responsible for performing the state control over cartographic activities initiated the project for the creation of the Toponymy dataset of Lithuania.

The Toponymy dataset of Lithuania was created in order to have:

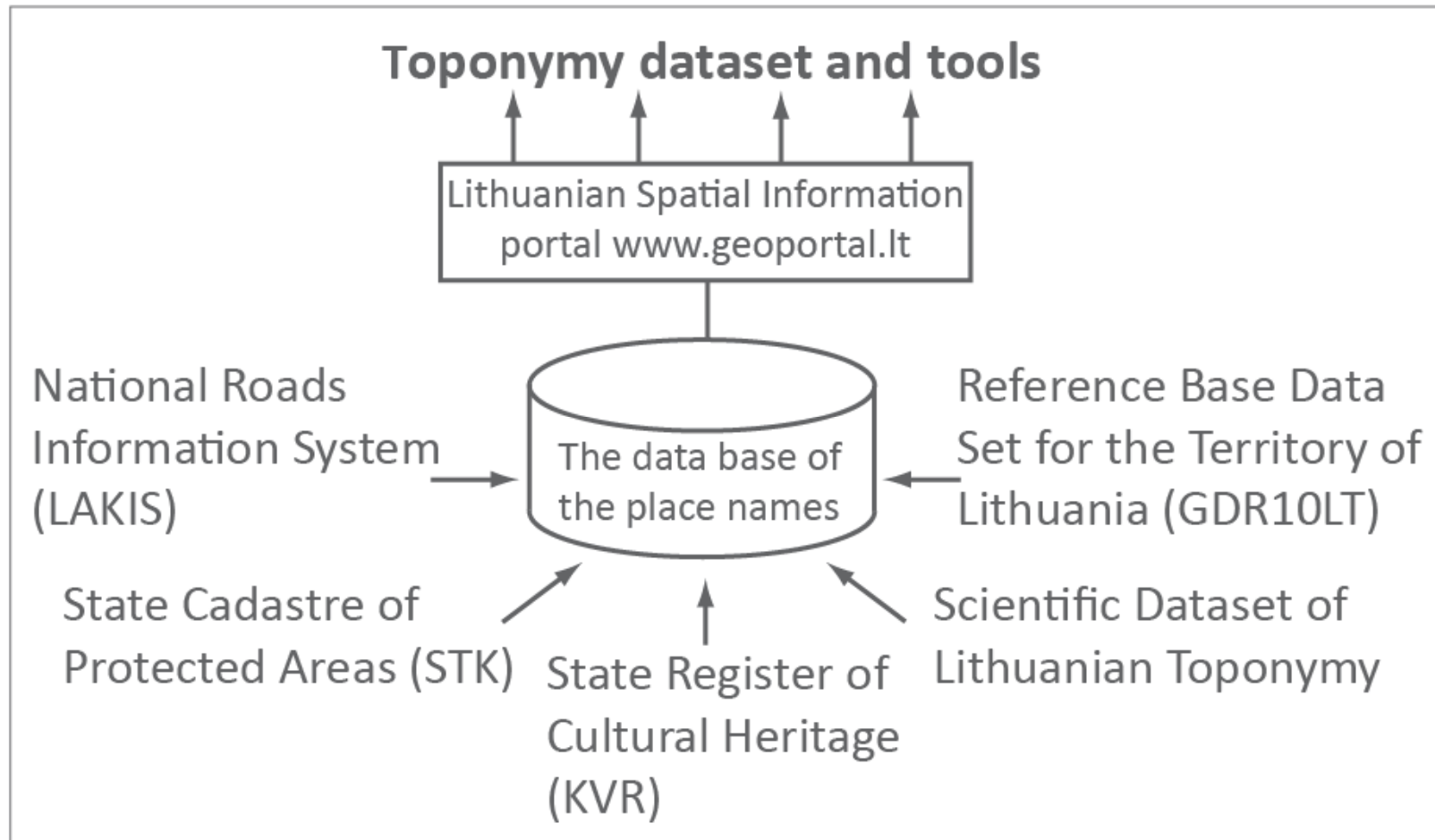
- a single dataset where the official place names from various sources are collected
- a dataset of official place names
- a dataset, where the names of extinct geographic objects can be stored
- Working environment in the Internet and tools for working with place name information

## The National Portal of Lithuania geoportal.lt – the place where the Toponymy Dataset is available

- The Toponymy Dataset is provided via Lithuanian Spatial Information Portal geoportal.lt
- Geoportal.lt is the a single Internet point where the spatial data for the territory of Lithuania from organizations is collected, integrated according to geographical information systems (GIS) principles and provided to users
- Geoportal.lt is one of the nodes in *the Spatial Information Framework of the Europe* (INSPIRE)

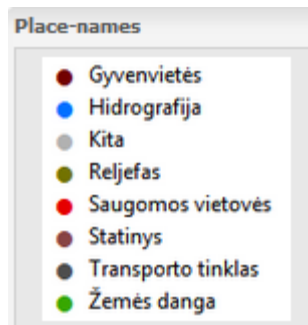
The Toponymy Dataset for the territory of Lithuania is available in geoportal.lt map browser [www.geoportal.lt/map](http://www.geoportal.lt/map) by clicking „Add“ and then choosing „Place names“.

# The content of the Toponymy Dataset



# The structure of the Toponymy Dataset for the territory of Lithuania

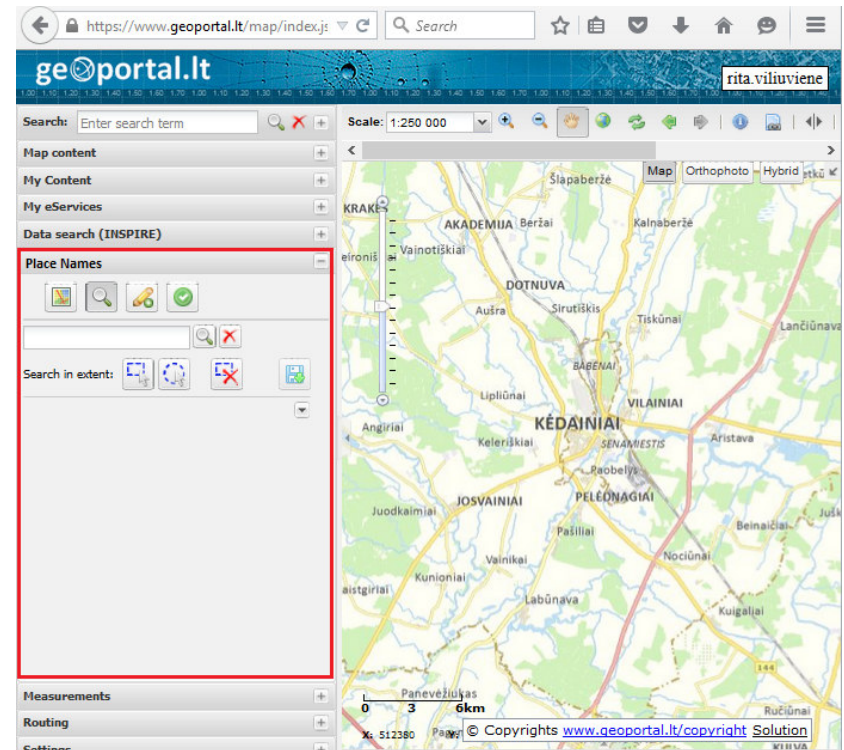
- The objects represented as point, line and area features in the Toponymy Dataset
- The place name types, attributes meet the requirements of INSPIRE specifications
- Additional attribute for the purposes of printing maps with the place name information
- Additional attribute for the purposes of place names standardization



Name	Value
OBJECTID	10309
Objekto unikalus identifikatorius	113019
Objekto pavadinimas (vietovardis)	Birutė
Rašto sistema, kuria pateiktas vietovardis	
Vietovardžio perrašymas, naudojant kitą rašto sistemą	
Kalba, kuria pateiktas vietovardis	
Vietovardžio pobūdis	
Vietovardžio statusas	
Duomenų rinkinys, iš kurio gauti vietovardžio duomenys	Lietuvos vietovardžių geoinformacinė duomenų bazė
Unikalus objekto identifikatorius pradiniam duomenų rinkinyje	
Objekto įvedimo į pradinį duomenų rinkinį data	2012.5.30
LKI duomenų rinkinys	LKI Vardyno sk. archyvas
Vietovardžio tarimas, naudojant tarptautinę fonetinę abėcėlę	
Vietovardžio giminė	moteriškoji
Vietovardžio gramatinis skaičius	vienaskaitinis
Kirčiuotė	2
Vardininko linksnis, kirčiuotas	Birūtė
Kilmininko linksnis, kirčiuotas	Birūtės
Naudininko linksnis, kirčiuotas	Birūtei
Galininko linksnis, kirčiuotas	Birūtę
Įnagininko linksnis, kirčiuotas	Birutė
Vietininko linksnis, kirčiuotas	Birūteje
Šauksmininko linksnis, kirčiuotas	Birūte
Žodžio daryba	pirminis
Žodžio darybos paaiškinimas	Be papildomų darybos priemonių sudarytas iš vardo Birūtė.
Kilmė pagal šalį	lietuviška

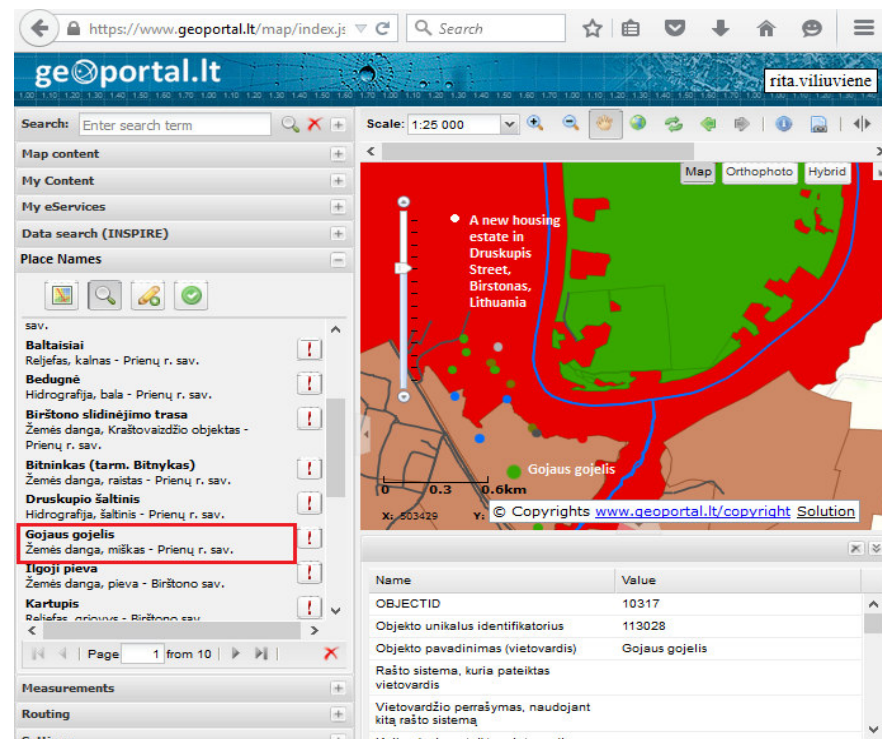
# The opportunities the Toponymy Dataset provide to the users

- The place name search by the name or the territory extent of the object
- The review of the search results
- The search results visualization on the map
- The place name objects identification in the map
- Writing a message about missing or incorrect place names to the service administrator
- The tools for the place names approbation purposes
- Other tools



# The examples of the usage of the Toponymy Dataset

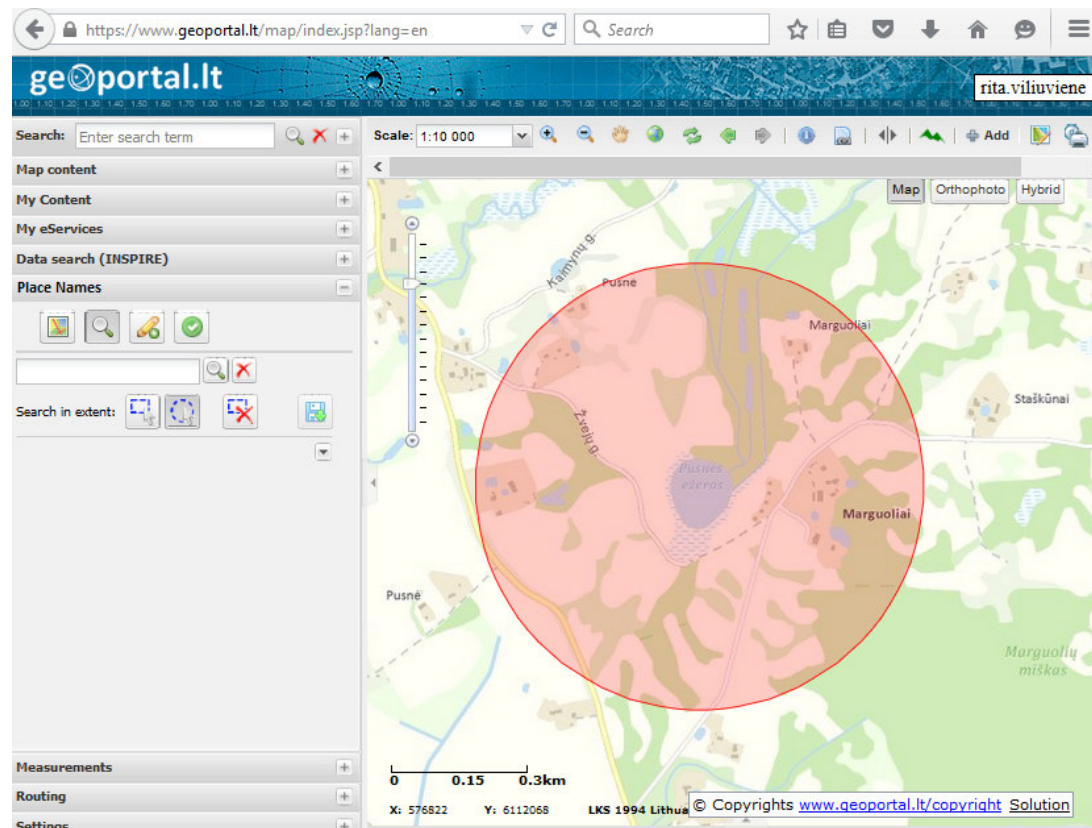
1. By specifying an extent around the analyzed object (f. e., the street, residential area, company, etc.) in the map, it is easy to find all the place names that exist or have existed in this territory. It is helpful when there is a need for an idea what place name could be given to a newly established or to an unnamed geographical object





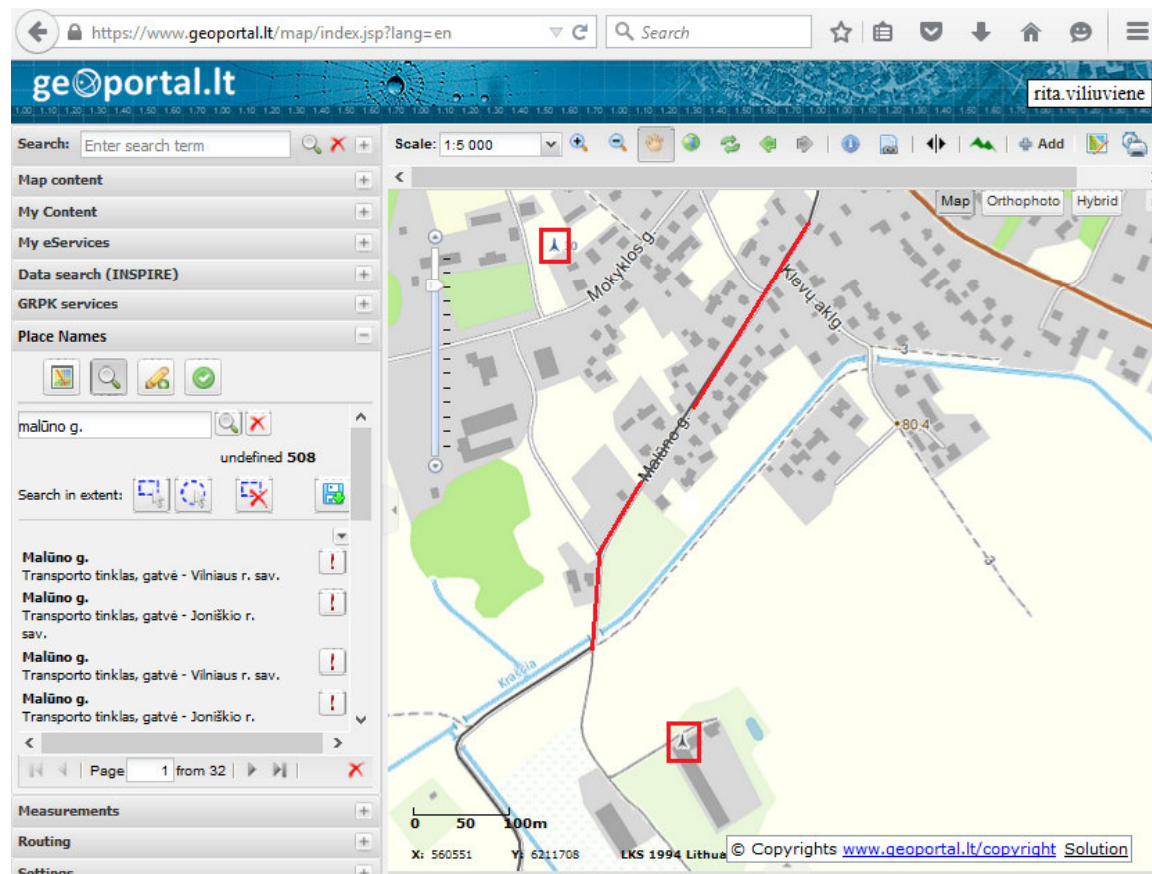
# The examples of the usage of the Toponymy Dataset

2. By specifying an extent around the analyzed object in the map and entering a search phrase in the Search box, it's easy to find all the place names that are conjugated to the place name of this object in the territory.



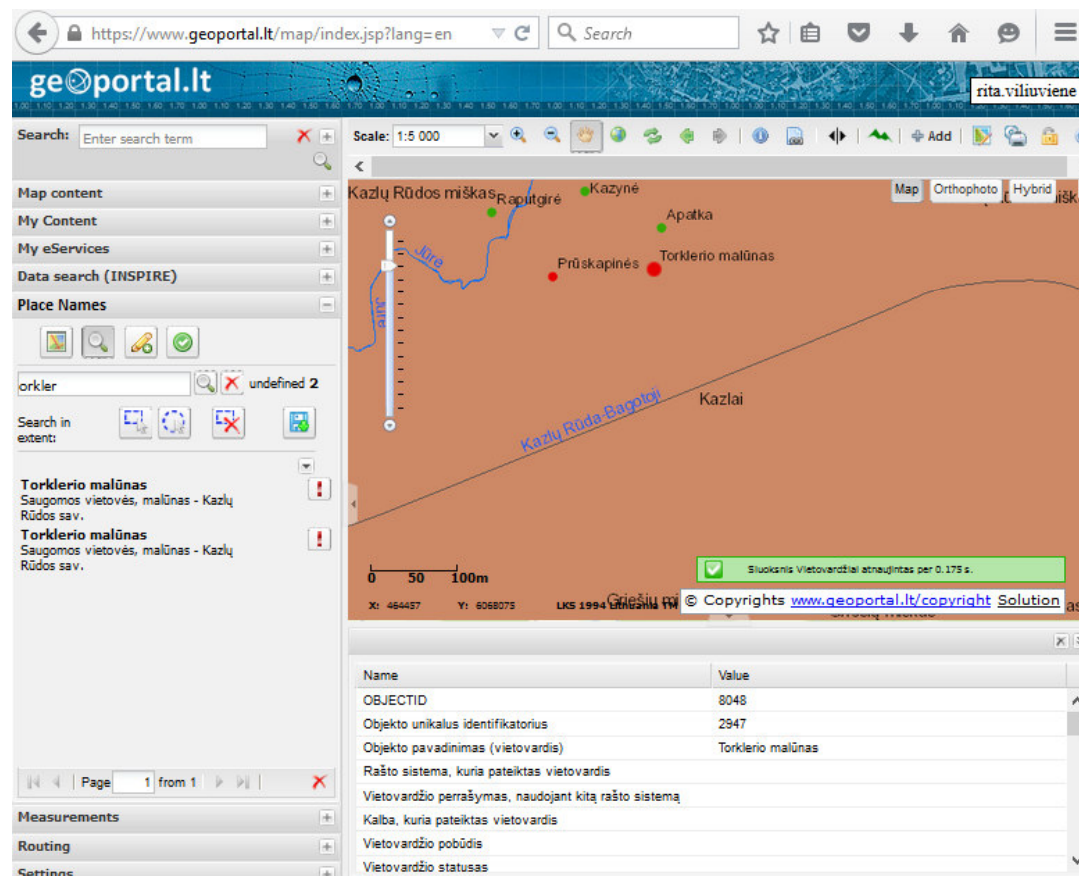
# The examples of the usage of the Toponymy Dataset

3. By searching for the objects (f. e., the mills, hospitals, etc.) that exist or have existed in the territory, it's needed to enter an appropriate search phrase in the Search box



# The examples of the usage of the Toponymy Dataset

4. To go further into the matter, analysis of the search results where the name of the person is mentioned, can support issues related, f. e., investigation into Jewish history in Lithuania

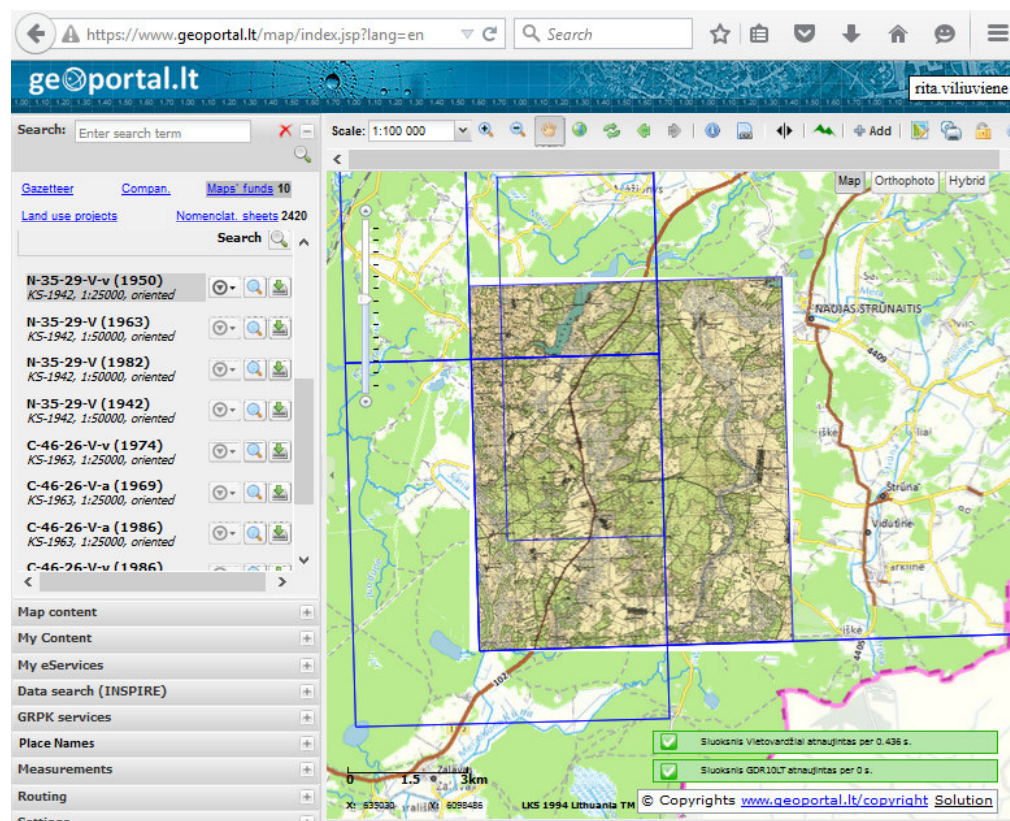


The screenshot shows the Geoportal.lt interface. The search bar contains 'orkler' and the search results list 'Torklerio malūnas' (Torkler's mill) in Kazlų Rūdos sav. The map shows the location of the mill near Kazlų Rūdos miškas and Kazlų Rūda Bagotų. The search results table is as follows:

Name	Value
OBJECTID	8048
Objekto unikalus identifikatorius	2947
Objekto pavadinimas (vietovardis)	Torklerio malūnas
Rašto sistema, kuria pateiktas vietovardis	
Vietovardžio perrašymas, naudojant kitą rašto sistemą	
Kalba, kuria pateiktas vietovardis	
Vietovardžio pobūdis	
Vietovardžio statusas	

# Expanding the capabilities of the Toponymy Dataset in the National Geoportal

The user can expand the capabilities of the Toponymy Dataset by creating mashup maps from the National Geoportal data. For example, in order to locate old place names more accurately in the territory, the user can add an old ortophotographic map in the background





# Conclusion

There are several Internet resources where place name datasets for the territory of Lithuania are provided. The quality of the data is not uniform.

- The National Geoportal is the best place for integration of data from different data providers and for consistent collection of the place names of Lithuania
- The place names of the objects that are not stored in the official registers and cadasters can be collected in the Toponymy Dataset.
- The working environment of the Toponymy Dataset offers the possibility to search, analyze, normalize and use the place names in both traditional and creative, new ways



# Thank You for the attention!

Rita Viliuviene

Product engineer

SE „GIS-CENTER”, Lithuania

[r.viliuviene@gis-centras.lt](mailto:r.viliuviene@gis-centras.lt)