



ANNUAL REPORT 2013

GEODESY, CARTOGRAPHY AND
CADASTRE AUTHORITY OF THE
SLOVAK REPUBLIC

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FOREWORD

2013 was a year of several significant changes in the department of geodesy, cartography and cadastre. Some of them were caused by the internal professional needs, others were related to the current state of the economy. Through these changes even our department has contributed to the overall effort of consolidation of public finances and rationalization of public administration.

Regarding the second group of mentioned changes - this includes in particular a reform of the state administration which was carried out in two stages. In the first stage, to 1 January 2013, the local state administration bodies at a regional level were cancelled which in the conditions of our department led to the abolition of cadastral offices. The operation and certain powers of these authorities were delegated to county cadastral registries. In the second stage of the reform, with effect from 1 October 2013, the cadastral registries were transformed into cadastral departments of individual district offices. The Geodesy, Cartography and Cadastre Authority of the Slovak Republic (hereinafter referred to as "ÚGKK SR") has been continuing in methodical managing and directing of the performance of the state administration in the field of real estate cadastre. The ÚGKK SR perceives the division of responsibility for the local state administration between the Ministry of Interior of the Slovak Republic (responsible for its personnel, material and technical provision) and the relevant central government body (responsible for the factual and professional side of the local state administration performance) as a negative impact of the reform

During the last year we developed and introduced into practice a new comprehensive concept of updating and administrating of cadastral maps. The complexity of the new technology is reflected in the introduction of several partial, yet still internally coherent innovative concepts; these include departmental transformation service, implemented non-numerical vector cadastral map or creation of adopted measurement file.

In 2013, the main task of the ÚGKK SR in the area of legislation, regarding the further prospect of cadastral development, was to prepare and pass into a new legislative procedure a new Cadastral Act and the Act on Geodesy and Cartography with the intention to build a transparent and modern cadastre so that its utmost material publicity was ensured.

The completion of one of the Operational Programme Information Society projects, i.e. the launch of the Primary Database for Geographic Information System deserves special attention. Since May 2013 geoinformation of the Slovak territory and all sorts of view, discovery and conversion services have been available to specialists as well as the general public via a single access web point - Geoportal. We are currently working on the further connection of these electronic services to the Central Public Administration Portal and its modules.

More information on work results and activities of geodesy, cartography and cadastre department, as well as other events is published in this annual report.

Ing. Mária Frindrichová
President of the ÚGKK SR

IDENTIFICATION OF THE ORGANIZATION

Name: Geodesy, Cartography and Cadastre Authority of the Slovak Republic

Abbreviated name: ÚGKK SR

Head Office: Chlumeckého 2, P. O. Box 57, 820 12 Bratislava 212

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telephone:	+421 2 2081 6002
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ÚGKK SR MANAGEMENT

President of the ÚGKK SR: Ing. Mária Frindrichová

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Vice President of the ÚGKK SR: Ing. Ľubomír Suchý

Contact to the Vice President's office: tel.: +421 2 2081 6021
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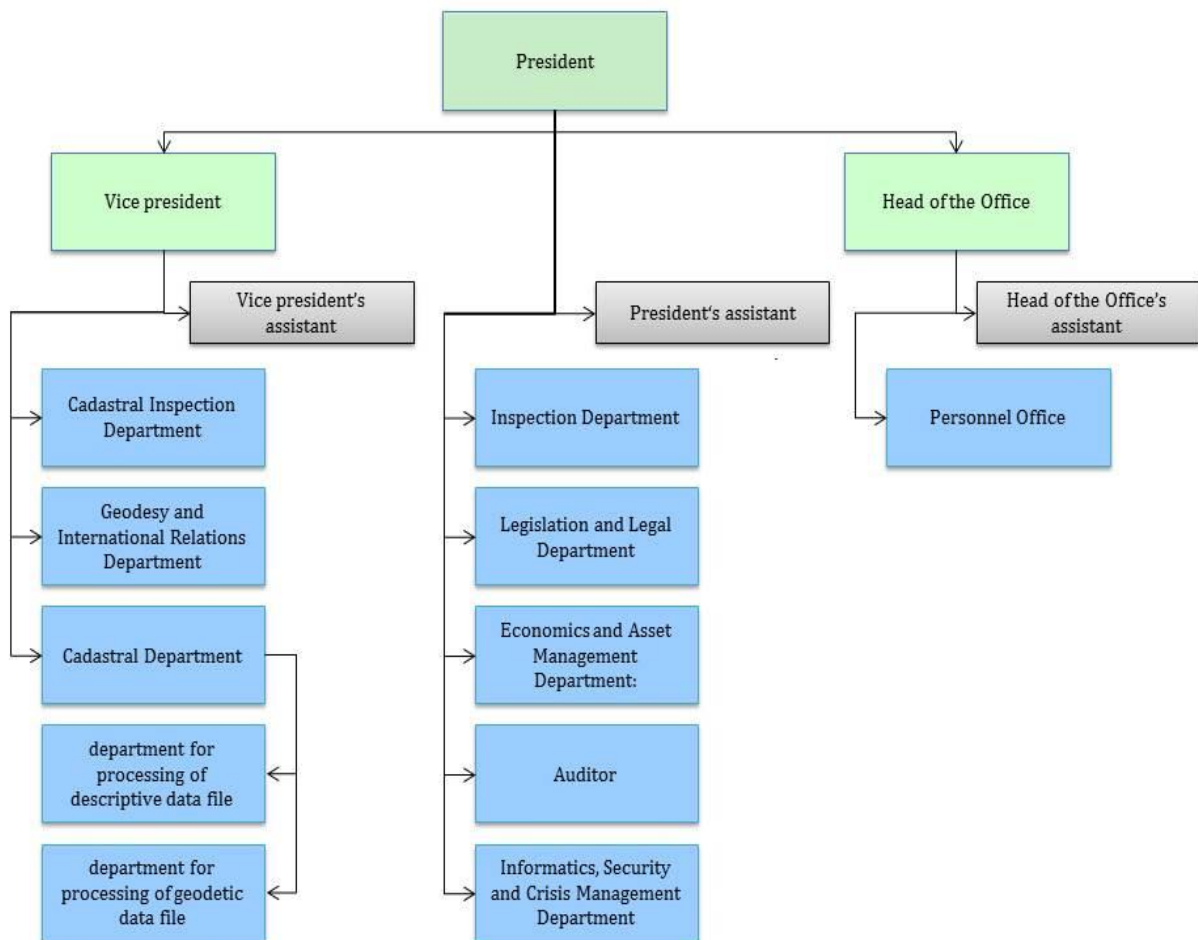
Head of the Office: JUDr. Helena Kresánková

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DEPARTMENT DIRECTORS OF THE ÚGKK SR

Director of Personnel Office:	Ing. Nora Gavorová
Director of Economics and Asset Management Department:	Ing. Miroslava Perúnová
Director of Cadastral Department:	Ing. Erik Ondrejčka
Director of Geodesy and International Relations Department:	Ing. Katarína Leitmannová
Director of Informatics, Security and Crisis Management Department:	Ing. Pavel Hajdin
Director of Cadastral Inspection Department:	Mgr. Ing. Ivana Zemková
Director of Legislation and Legal Department:	JUDr. Odeta Poldaufová
Director of Inspection Department:	JUDr. Eva Včelková
Auditor:	Ing. Anna Frniaková

ORGANIZATION CHART OF THE ÚGKK SR



MAIN ACTIVITIES

For the needs of the state the ÚGKK SR provides specific and complex tasks in the field of geodesy, cartography and cadastre, in particular it:

- solves conceptual issues of real estate cadastre development; prepares drafts of generally binding legal regulations and other regulations in the field of geodesy, cartography and cadastre,
- provides international cooperation in the field of geodesy, cartography and cadastre,
- carries out state supervision on administering, updating and renewing of real estate cadastre as well as on using of standardized geographical names,
- determines the qualitative conditions for carrying out geodetic and cartographic activities and issues and withdraws a certificate on special professional competence for carrying out these activities for individual persons,
- verifies the competence of cadastral offices staff to decide on lodgement of registration,
- determines the binding geodetic systems, their implementation and positioning standards; provides creation and operation of state permanent positioning service, which uses the Global Navigation Satellite Systems,
- provides creation and operation of geodesy, cartography and cadastre information system and provision of information and data from this information system,
- provides creation, updating and publishing of basic state map series, maps of territorial and administrative division of the Slovak Republic and other cartographic works; standardizes geographical names,
- manages and coordinates research, scientific-technical development and collects scientific-technical information for geodetic and cartographic activities that are carried out for the needs of the state outside the state defence needs.

MISSION AND MEDIUM-TERM OUTLOOK

The Geodesy, Cartography and Cadastre Authority of the Slovak Republic, under the Act no. 575/2001 Coll. on the organization of activities of the government and central state administration, as amended, is a central body of the state administration for geodesy, cartography and cadastre. It directly manages the Geodetic and Cartographic Institute Bratislava and Research Institute of Geodesy and Cartography in Bratislava. To the extent provided by special laws it manages and controls district offices-cadastral departments to which (on 1 October 2013 under the Act no. 180/2013 Coll. on the organization of local government and on amendments to certain laws) the competence of cadastral registries was delegated to.

The scope of the ÚGKK SR is defined in particular by the following acts:

- Act no. 162/1995 Coll. on the real estate cadastre and registering of ownership and other rights to real estates (hereinafter the "Cadastral Act"), as amended,
- Act no. 215/1995 Coll. on geodesy and cartography (hereinafter the "Act on geodesy and cartography"), as amended,
- Act no. 180/1995 Coll. on some measures for land ownership arrangements, as amended (hereinafter the "Act no. 180/1995 Coll.")
- Act no. 330/1991 Coll. on land consolidation, ownership right arrangement, land offices, land resources and land communities, as amended.

The main challenges in the field of geodesy, cartography and cadastre, the addressing of which is not possible without a comprehensive activity of the ÚGKK SR, in the next time horizon include the following:

- continuation in adopting results of land consolidation projects,
- renewal of the cadastral documentation by new mapping (especially in built-up areas of municipalities in connection to the results of land consolidation projects),
- building of a central database solution of an information system,
- interconnection of the cadastral information system with other information systems of state administration,
- development of tools for unified positioning of objects in geodetic reference systems (**SKPOS®**),
- ensuring quality geographic data for entire public administration.

ORGANISATIONS WITHIN THE COMPETENCE OF THE ÚGKK SR

THE GEODETIC AND CARTOGRAPHIC INSTITUTE BRATISLAVA

The Geodetic and Cartographic Institute Bratislava (GKU) is a budgetary organization within the competence of the ÚGKK SR. The Institute was established on 1 January 1991 and its sphere of authority is over the whole territory of the Slovak Republic. It provides activities in the field of building and maintenance of geodetic control, central cadastral database and reference data for geographic information systems. GKU is a legal entity with full legal status and in legal relations acts on its own behalf.

Contact details:

Chlumeckého 4, 827 45 Bratislava 212

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Director: Ing. Juraj Celler

THE RESEARCH INSTITUTE OF GEODESY AND CARTOGRAPHY IN BRATISLAVA

The Research Institute of Geodesy and Cartography in Bratislava (VÚGK) is a contributory organization within the scope of the ÚGKK SR and was established on 1 January 1970. VÚGK has developed its activities in the field of real estate cadastre, digital cartography and Primary database for Geographic Information System, EU projects, building of a technology infrastructure of geodesy, cartography and cadastre department and within training and educational activities. VÚGK is a legal entity with full legal status and in legal relations acts on its own behalf.

Contact details:

Chlumeckého 4, 826 62 Bratislava

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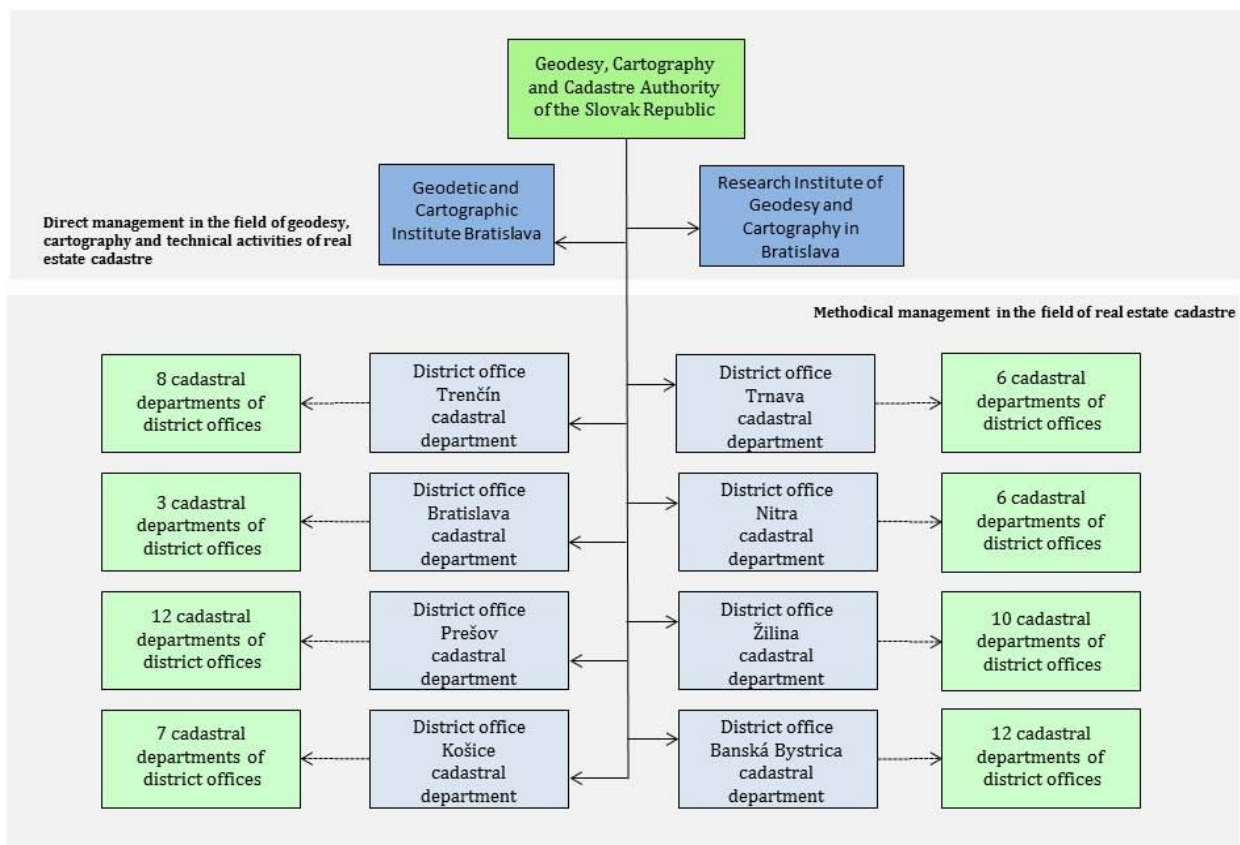
Director: Ing. Andrej Vašek, appointed on 15 February 2013

COUNTY CADASTRAL REGISTRIES (SINCE 1 OCTOBER 2013 COUNTY DISTRICT OFFICES)

By the Act no. 345/2012 Coll. on some measures in local government and on amendments to certain laws with effect from 1 January 2013, the first phase of integration of specialized competences of the state administration was implemented, the cadastral offices were abolished and their competences were passed to the county cadastral registries.

By the Act no. 180/2013 Coll. on organization of the local government and on amendments to certain laws with effect from 1 October 2013 the second phase of changes in the organization of local government was implemented. This phase consisted of the abolition of county cadastral registries and district cadastral registries and their competences were passed to an integrated local state administration body - the district office-county cadastral department and the district office-district cadastral department.

The county district office, except for the scope defined in the Cadastral Act and the Act on Geodesy and Cartography, manages, controls and coordinates the execution of state administration carried out by district offices, which have their seat in its territorial district. In the second stage it executes the state administration in matters in which the administrative proceedings in the first stage have been decided by district office, which is located in its territorial district, unless a special law stipulates otherwise. If in the first stage only the county district office decides, the state administration in the second stage is carried out by the county district office if it is stipulated by a special law.



- **District Office Banská Bystrica, Cadastral Department; ČSA 7, 974 05 Banská Bystrica**
Tel: +42148 281 9660, e-mail: kubb@skgeodesy.sk
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- **District Office Bratislava, Cadastral Department; Ružová dolina 27, 821 03 Bratislava 2**
Tel: +4212 2081 6500, e-mail: kuba@skgeodesy.sk
Head of Cadastral Department: Ing. Michal Valluš
- **District Office Košice, Cadastral Department; Južná trieda č. 82, 040 17 Košice**
Tel: +42155 281 8000, e-mail: kuke@skgeodesy.sk
Head of Cadastral Department: Ing. Eva Trembeczká
- **District Office Nitra, Cadastral Department; Štefánikova 69, 949 01 Nitra**
Tel: +42137 281 9400, e-mail: kunr@skgeodesy.sk
Head of Cadastral Department: Ing. Katarína Šagátová
- **District Office Prešov, Cadastral Department; Konštantínova 6, P. O. BOX 97, 080 01 Prešov**
Tel: +42151 281 8500, e-mail: kupo@skgeodesy.sk
Head of Cadastral Department: JUDr. Daniel Švirk
- **District Office Trenčín, Cadastral Department; Piaristická 25, 911 01 Trenčín**
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Head of Cadastral Department: Ing. Ján Križan
- **District Office Trnava, Cadastral Department; Vajanského 2, 917 01 Trnava**
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Head of Cadastral Department: Ing. Monika Švecová
- **District Office Žilina, Cadastral Department; A. Kmeťa 17, 011 32 Žilina**
Tel: +42141 281 7500, e-mail: kuza@skgeodesy.sk
Head of Cadastral Department: Ing. Anna Štrengerová

MAIN TASKS AND THEIR FULFILLMENT

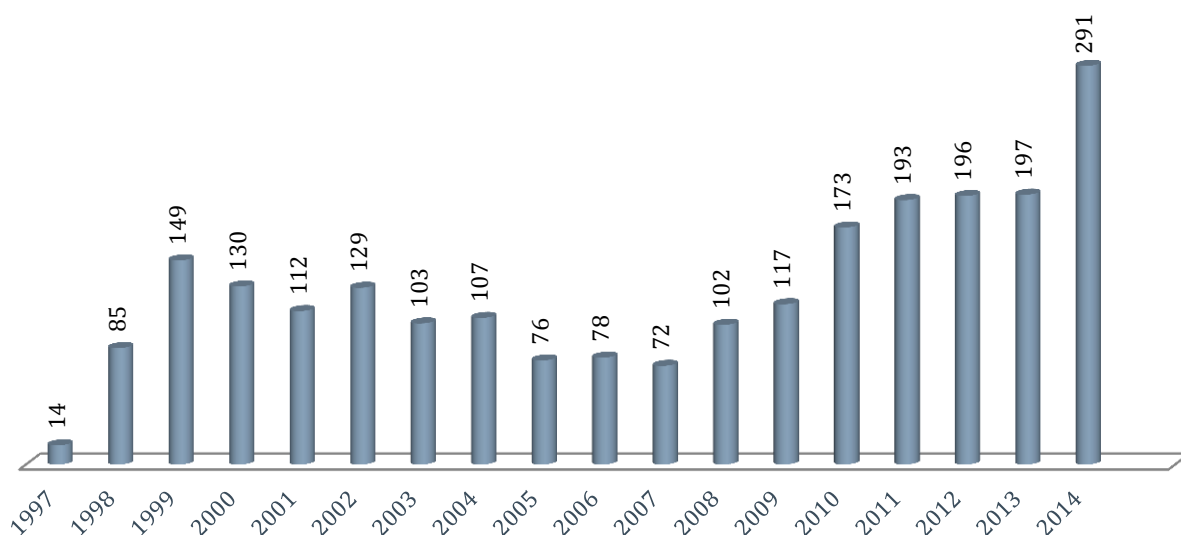
REAL ESTATE CADASTRE

PROCEEDINGS ON RENEWAL OF CERTAIN LAND INVENTORY AND LEGAL RELATIONSHIPS TO THEM

Arrangement of land ownership is one of the priority tasks in the field of the geodesy, cartography and cadastre department (hereinafter "GKaK"). It is being carried out in proceedings on renewal of certain land inventory and legal relationships to them (hereinafter "ROEP") under the Act no. 180/1995 Coll. in cadastral districts (hereinafter "k. ú."), under the schedules for each year approved by the Slovak government, by creating of ROEP and within proceedings on land consolidation under the Act no. 330/1991 Coll. as amended.

According to the Conception on land ownership arrangements in Slovakia and ensuring its organization the GKaK department renews the original land registration and legal relationships to them in 2,324 k. ú. The Ministry of Agriculture and Rural Development (hereinafter "MPaRV") does the same in 1,218 k. ú. 230 ROEP were completed in 2013, which is the most completed ROEP in one year. To 31 December 2013 out of 2,324 registers in total 2,066 registers were completed of which 2,033 registers were entered in the real estate cadastre. 258 registers are in in the elaboration phase.

In addition to compiling registers in its own competence the GKaK department provides control, adopts and enters the registers in 1,218 k. ú. that are provided by the MPaRV. To 31 December 2013 1,199 registers were completed of which 1,202 were entered in the real estate cadastre. 16 registers are in the elaboration phase.



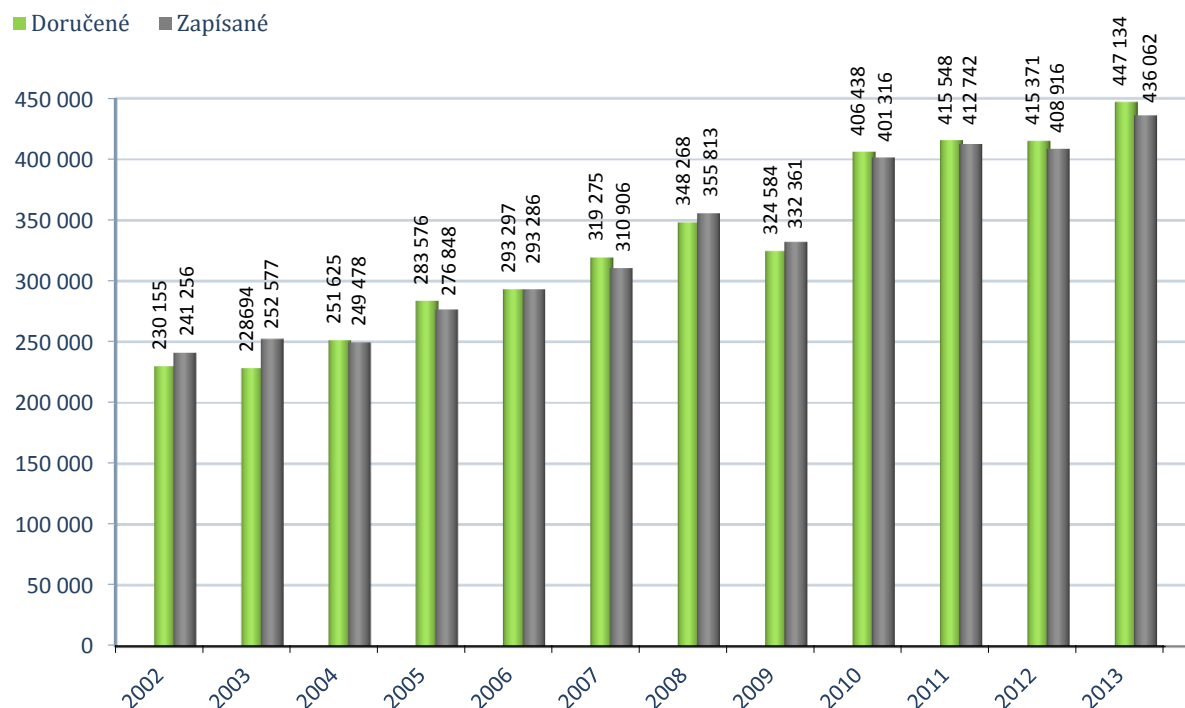
Entry of ROEP provided by the ÚGKK SR

In 2013, there were 39 land consolidation projects and 8 simple land consolidation projects entered in the real estate cadastre. Land consolidation projects have been elaborated within 229 k. ú. To 31 December 2013 cadastral registries entered 296 land consolidation projects in real estate cadastre.

ENTRY OF PUBLIC DOCUMENTS AND OTHER DOCUMENTS IN REAL ESTATE CADASTRE

Entering of real estate rights into the real estate cadastre is one of the essential activities of administrative authorities in the field of cadastre. Real estate rights are entered in real estate cadastre by the act of registration, record and note on the rights to real estates in the cadastre.

In 2013, 447,134 documents were delivered which is about 7.6% more than in the previous year.



Comparison of the number of entries of public documents and other documents into the cadastre for the period 2002 – 2013 (green-delivered, grey-entered)

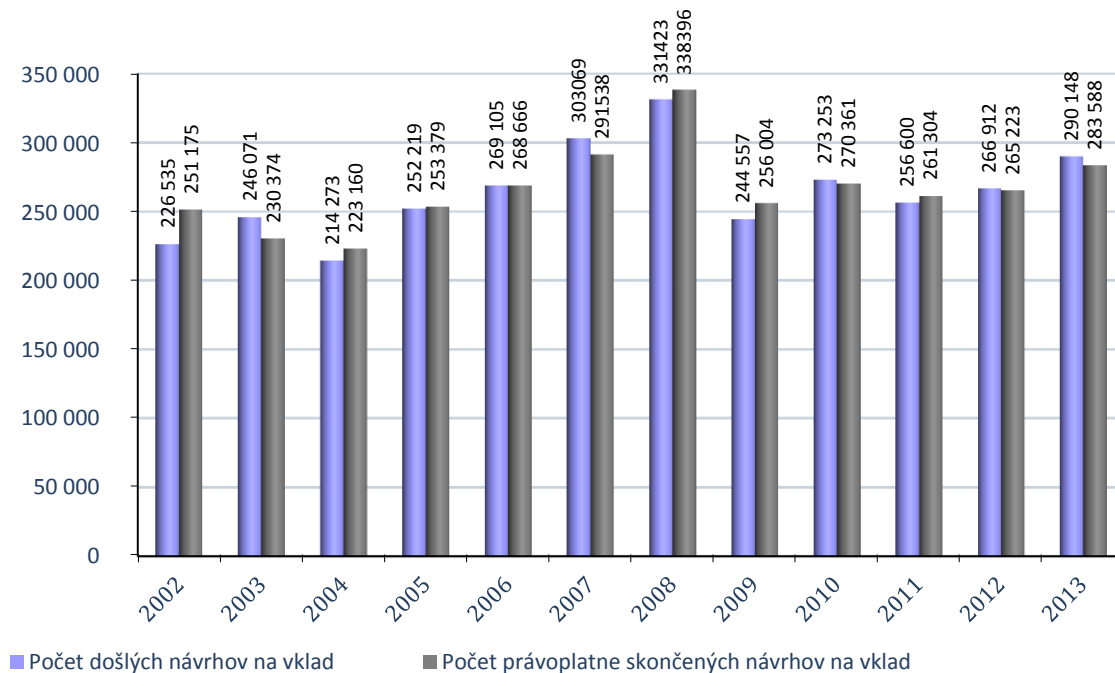
DECIDING ON PROPOSAL FOR CONTRIBUTION OF OWNERSHIP RIGHT INTO CADASTRE

During the act of deciding on lodgement of registration of ownership right into real estate cadastre creation, modification and termination of ownership rights and other rights in relation to real estates by lodgement of registration in real estate cadastre is also decided on. The procedure for authorizing the registration can be completed by the decision of cadastral registry to authorize the registration contribution, to reject the proposal for registration or by stopping the procedure.

In 2013, 290,148 proposals for registration of ownership right into real estate cadastre were delivered. Compared to the previous year it is an increase of 8.7%.

According to law in a shortened 15 day period 14,276 (4.9%) of requirements for authorization of the registration of ownership right were delivered. In a 20 day period from the total number of lodgement of registration of ownership right notaries and authorized lawyers submitted 18,636 (6.4%) proposals.

14,309 lodgement of registrations of ownership right, which constitutes 4.9% of the total number of lodgement of registrations, were received electronically.



Comparison of the number of lodgements of registration into real estate cadastre between 2002 – 2013 (blue-number of received proposals, grey-number of lawfully completed registrations)

CREATION AND UPDATING OF GEODETIC DATA FILE

2013 was in terms of creating and updating of geodetic data file (hereinafter "SGI") ground-breaking because of the qualitative technology adjustment, as well as of the results that were enabled by the modified technology. The Cadastral Department of the ÚGKK SR drafted and the Board of the ÚGKK SR approved-The analysis of management technology of geodetic data file of real estate cadastre and survey sketch making after 1 April 2011-and the proposed measures resulted in processing of the ÚGKK SR Regulation no. 87/2013 Coll. (hereinafter the "Regulation") effective from 1 May 2013. This regulation has adjusted the way of measurement and result documenting of geodetic and cartographic activities in the implementation of JTSK. It has also introduced the Departmental transformation service and two-step, two-way transformation ETRS89 ↔ JTSK03 ↔ JTSK and the Conversion interpolation table between JTSK03 and JTSK implementations.

The Regulation has further specified three ways to update vector cadastral maps:

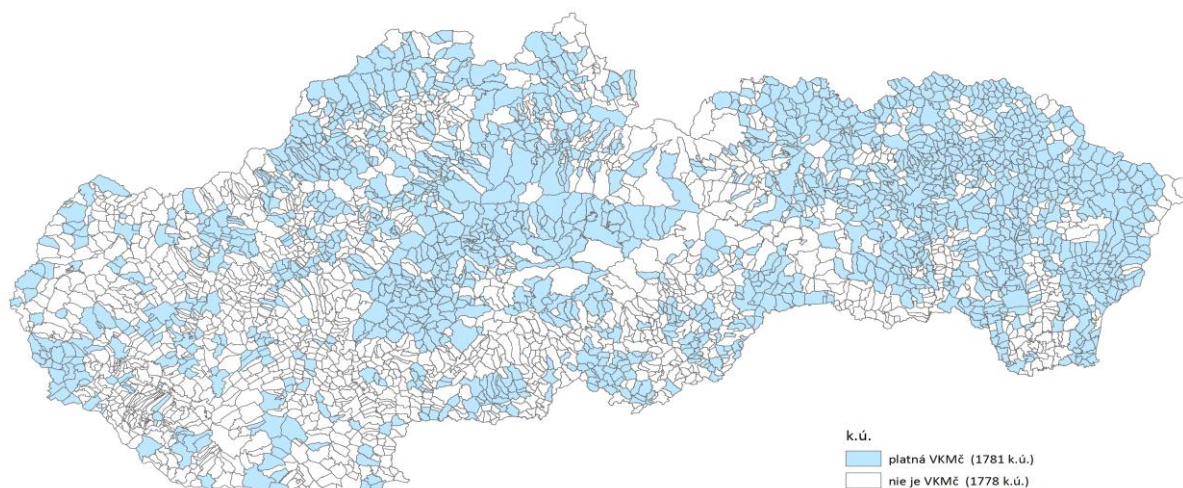
- numerical vector cadastral map (VKMč),
- non-numerical vector cadastral map with implemented numerical results (VKMi),
- non-numerical transformed vector cadastral map and adopted measurement file (VKMt, SPM).

For the first time in the history of cadastral documentation the technology has allowed incorporation of precise land boundary measurements made solely in terms of the European

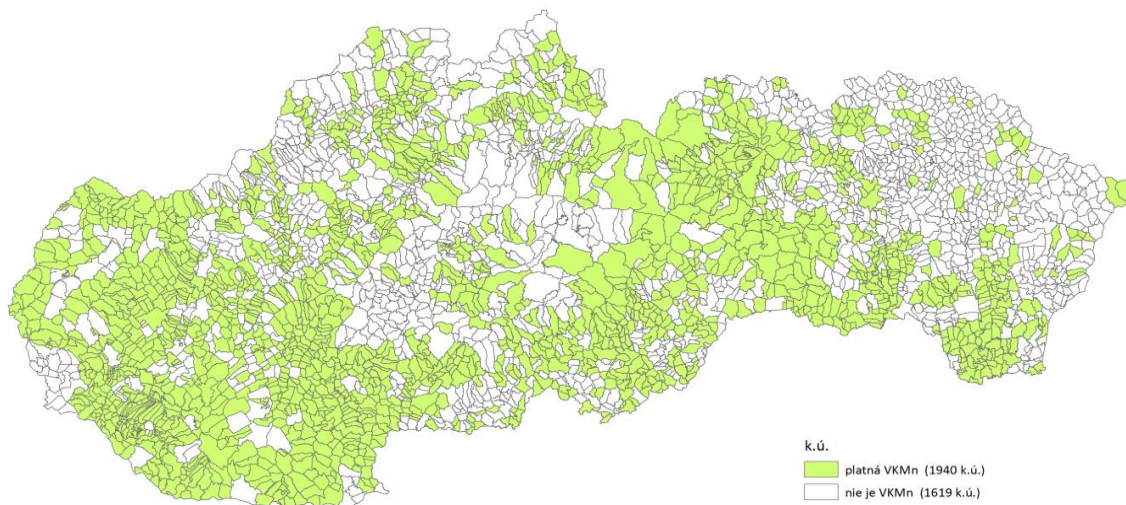
Terrestrial Reference System (ETRS89), which represents about 60,000 measurements per year and their unambiguous documentation in the state reference systems used for cadastral surveys since 1928 (S-JTSK), their implementation into existing cadastral maps of any quality i.e. to the latest maps, as well as to the maps in the cadastral districts mapped during the Hungarian historical systems in the 19th century. The technology is provided by a network of permanent ground stations of the Slovak spatial observational service **SKPOS®** operated by the Geodetic and Cartographic Institute in Bratislava since 2006, which allows positioning through the use of international satellite system with centimetre accuracy. For documenting the technology uses a single coordinate system, which substantially reduces the impact of human factor on the quality of positioning data. To ensure the system functionality the ÚGKK SR has drafted an amendment to general government regulations and a whole series of related technical regulations.

In 2013 the ÚGKK SR acceded to optimization of the number of files with similar quality of maps with different scale references. After analysing the factors such as the map accuracy, method and quality of cadastral map creation and its updating, its scale and the like, the ÚGKK SR determined the actual number of vector cadastral map files covering the entire territory of the Slovak Republic to 4,149 files. Each connection of two or more files meant unifying of reference scale to 1:1000 which triggered the need for laborious cartographic adjustment of each map (adjustment of about 2 million parcels). During this task, the number of files decreased by 1,168 to the current expected number of 4,149 files. These files are divided to 1,796 of VKMč, 1,894 of VKMt and 459 of VKMi.

In 2013, from the total number of 4,149 VKM files, 510 files were finalized and declared, which is so far the largest number of declared files in a single year. As of 1 January 2014 there were 448 files to be finalized to reach the total number of 4,149 files.

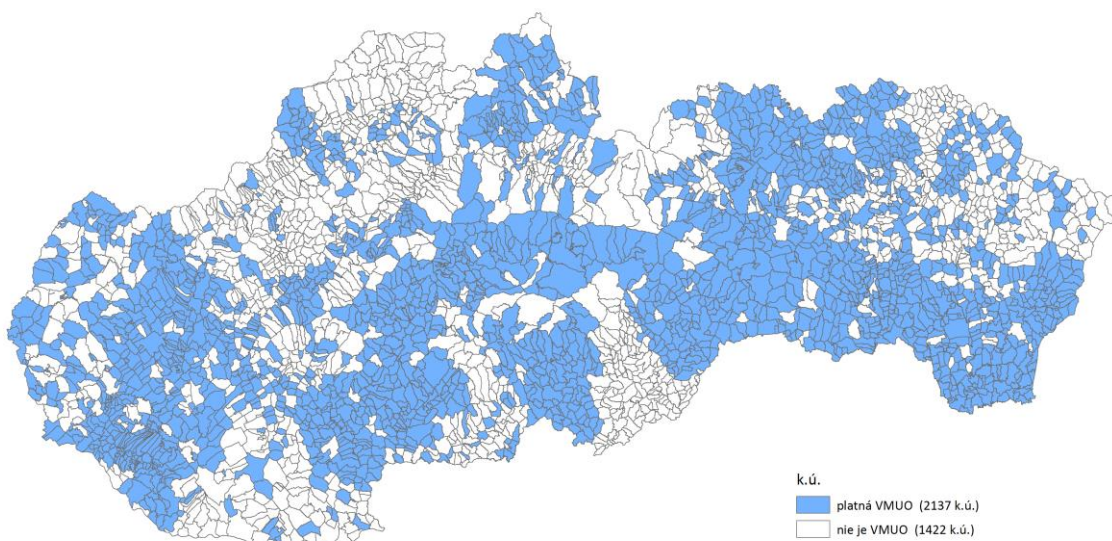


Overview of cadastral districts with a valid numerical vector cadastral map (blue-valid VKMč, white-non existing VKMč)



Overview of cadastral districts with a valid non-numerical vector cadastral map (green-valid VKMn, white-non existing VKMn)

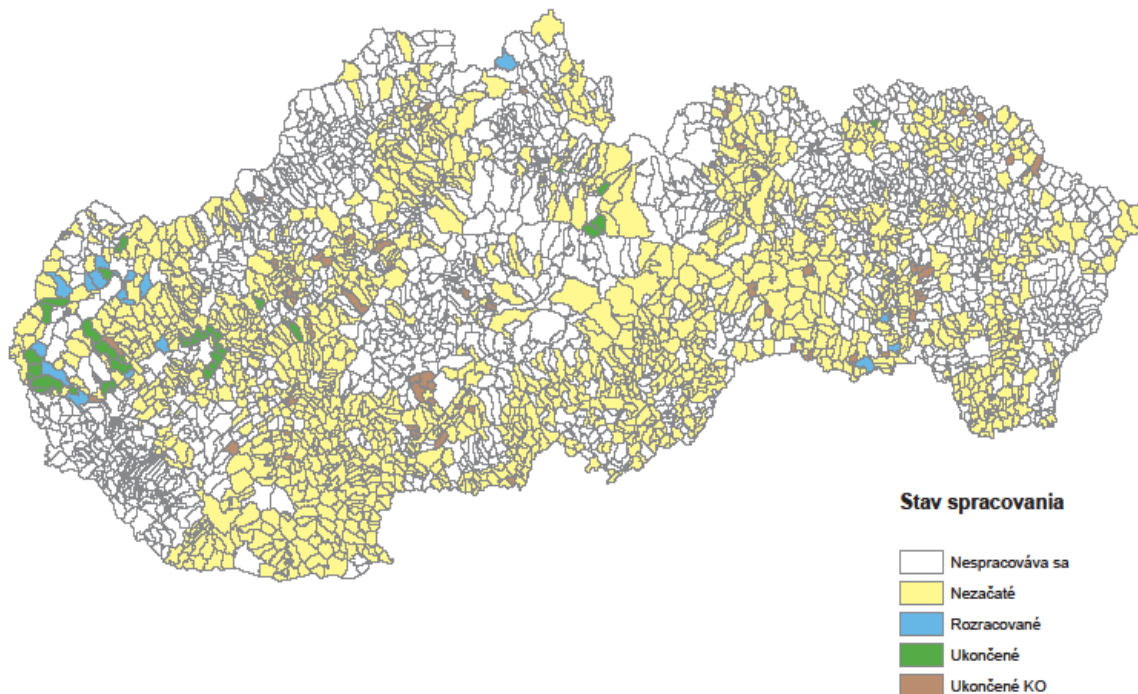
In 2013, from the total number of 3,559 cadastral districts, 457 files of vector map of determined documentation (VMUO) were declared, which is so far the largest number of declared VMUO files in one year. 1,511 VMUO files need to be completed to reach the total number.



Overview of cadastral districts with a valid vector map of determined documentation (blue-valid VMUO, white-non existing VMUO)

CREATION AND UPDATING OF ADOPTED MEASUREMENT FILES

The adoption of regulation has allowed fulfilling of an adopted measurement file (SPM), which contains all the numerical results of measurements recorded in the current state of real estate cadastre. Already in 2013 the creation and updating of SPM was carried out in 1,616 cadastral districts with 23,977 incorporated survey sketches. In 161 cadastral districts the SPM creation was completed. During the first eight months of 2013 it already represented (just in Malacky, Pezinok and Senec districts) implementation of 824,460 detailed points with coordinates whose position corresponds to the position of points in the field in the non-numerical vector cadastral maps. In this way, it was possible to numerically define 60,119 parcels in the non-numerical maps of mentioned districts.



Overview of the state of SPM processing (white-does not process, yellow-processing has not started yet, blue-ongoing processing, green-finished processing, brown-finished cadastral documentation)

ERROR CORRECTION IN CADASTRAL DOCUMENTATION

The Cadastral Act establishes the possibility of correcting the incorrect data in real estate cadastre by cadastral proceedings - error correction in cadastral documentation. In 2013, it dealt with 15,613 requests for error correction in cadastral documentation, 10,685 of which were made without a decision and 4,928 corrections were made on the basis of a decision on error correction in cadastral documentation.

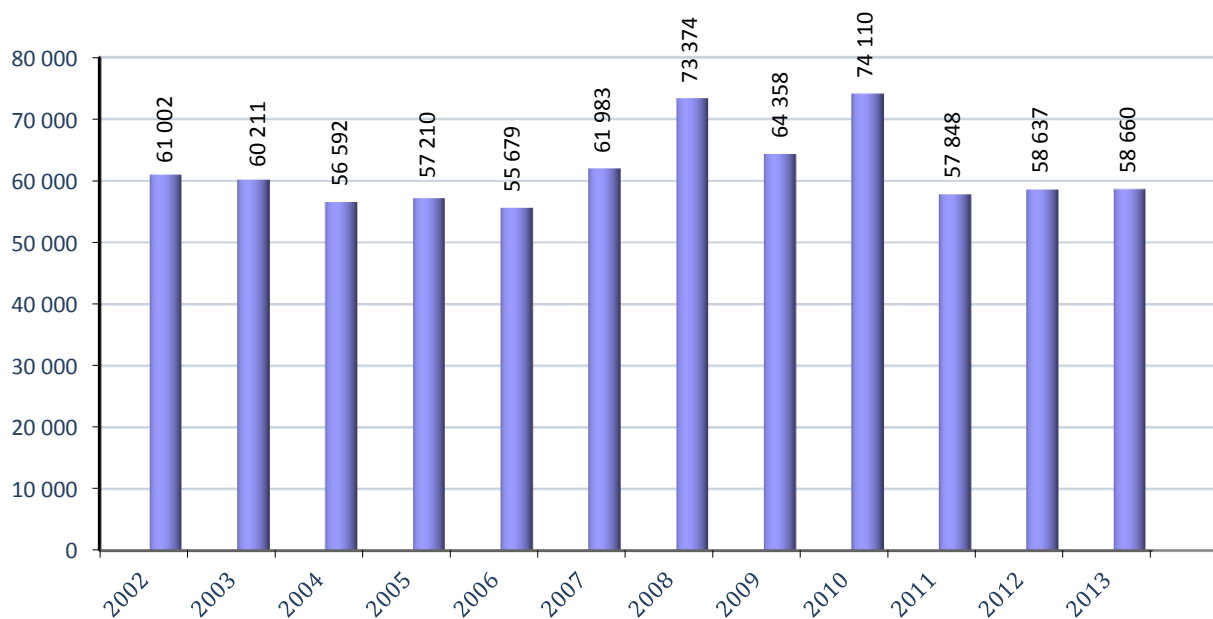
PARCEL IDENTIFICATION FOR NATURAL AND LEGAL PERSONS

Parcel identification for natural and legal persons is carried out in cadastral districts where no ROEP has been approved. They have been carried out in a socially acceptable period of 3 months. Requirements for making parcel identifications for the purpose of restitution continue to persist.

OFFICIAL VERIFYING OF SURVEY SKETCHES

Survey sketch making is the most frequent kind of selected geodetic and cartographic activities in real estate cadastre. Survey sketch is a technical basis of legal acts, public documents and other documents and it also serves as a basis for registration and record of rights into real estate cadastre. Only authorized and officially verified survey sketches can be used for cadastral needs.

In 2013, 58,660 survey sketches were officially verified, compared to the previous year it is increase of 23 survey sketches, i.e. about 0.04%.

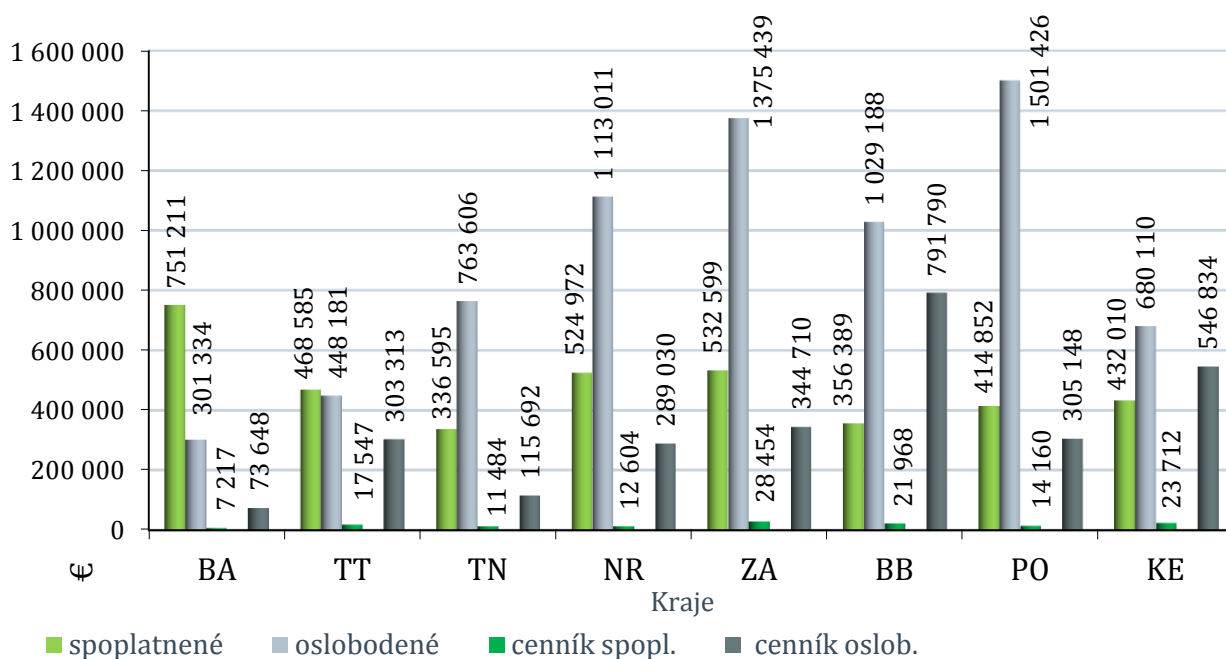


Comparison of officially verified survey sketches for the years 2001-2013

PROVIDING OF INFORMATION FROM REAL ESTATE CADASTRE

Cadastral documentation is actually an information system which provides information to all persons, whether authorized persons or other persons, about real estates, ownership rights and other rights to real estates without demonstrating a legitimate interest. Provision of information is be subject to paying an administrative fee under item 10 of the rate schedule of

administrative fees annexed to the Act no. 145/1995 Coll. on administrative fees as amended, or a charge under the bidding price list.



Provision of information from the KN by regions and for the SR in 2013 (light green-chargeable, light grey-exempted, green-chargeable pricelist, grey-exempted pricelist)

RENEWAL OF CADASTRAL DOCUMENTATION

The objective of cadastral documentation renewal is to make a new geodetic data file and new descriptive data file in those cadastral districts in which the cadastral documentation has become unfit for further use.

In 2013, the renewal of cadastral documentation by new mapping was carried out in cadastral districts Starňa (district Revúca) and Nižná Hutka (district Košice vicinity).

In 2013, the GKÚ finished the renewal of cadastral maps by creating a duplicate of the current state of cadastral maps in analogue form and prepared 78 map sheets for printing. The GKÚ performed the task on creating duplicates of cadastral maps also in digital form by creating a vector cadastral map (VKM) by transferring an existing geodetic data file into digital form through a graphical system KOKEŠ. In 2013, the VKM was created in 21 cadastral districts.

CADASTRAL PORTAL


In 2013 the ÚGKK SR with the assistance of technology prepared by the Research Institute of Geodesy and Cartography started with 24 hourly updating of alphanumeric data of real estate cadastre, which is available on the Cadastral portal. Between 18:00 and 22:00 the system automatically downloads (through a network from 75 district offices) and immediately





also checks more than 32,000 database files containing cadastral data, including data on cadastral proceedings. These data are converted between 22:00 and 8:00 by a contractor to another database, so that they can be publicly accessible and free of charge in the morning. Graphical data is still updated in seven-day periods. For this purpose, once a week, more than 14,000 bulky graphics files are downloaded using the technology of the Research Institute of Geodesy and Cartography. This service means a huge benefit not only for individual owners but also for financial institutions, which on the basis of thus provided data enable earlier use of credit, which has a positive impact on the credit market and improvement of the business environment.

GEODESY AND CARTOGRAPHY

GEODETIC CONTROL

Geodetic Control (GZ) ensures the provision and implementation of geodetic reference systems through active or passive GZ. It provides more accurate reference parameters and attributes of geodetic points which form the passive GZ or mainly active GZ represented by **SKPOS**[®]. Specification of the national reference system S-JTSK in JTSK03 implementation was done by amending the ÚGKK SR Regulation, which implements Act no. 215/1995 Coll. on geodesy and cartography, as amended. GZ provides conditions for uniform implementation of all selected geodetic activities resulting from the current legislation in the national territory and their international continuity for commercial surveyors and other subjects. Making available the Web Transformation Service has allowed data transformation between binding geodetic systems for all users. Parameters of geodetic points are determined and repeatedly checked in specialized state networks. State spatial network (ŠPS) consists of top quality reference parameters of geodetic points which are recorded in the geodetic reference system ETRS89.


TRANSFORMAČNÁ SLUŽBA
 Úradu geodézie, kartografie a katastra Slovenskej republiky

Transformačná služba

Formát vstupných údajov:

Vstupný súbor TXT/CSV:

Nahráný súbor:

Vstupný súradnicový systém:

Výstupný súradnicový systém:

Výškový súradnicový systém:

Vstupný výškový systém:

Výstupný výškový systém:

Nastavenie spracovania vstupného súboru

ID	Y	X	vyska
	Y	X	výška
1	530213.665	1329075.273	100
1	526479.939	1329420.652	100
1	522746.000	1329763.576	100
1	519011.846	1330104.046	100

Ukážka súboru

Oddeľovač stĺpcov:

Oddeľovač desatinných miest:

Súbor obsahuje hlavičku:

Y:

X:

výška:

Validácia vstupu

Výsledok validácie

Nastavenie spracovania výstupného súboru

Prepísať názvy v hlavičke súboru:

Aplikáciu vytvoril SEVITECH a.s. Verzia 0.2.0.0
Aplikáciu prevádzkuje Úrad geodézie, kartografie a katastra Slovenskej republiky | Pomoc

Transformation Service on the portal

During 2013, we continued in meeting the medium-term perspective, which is the completion of repeated levelling measurements on second order traverses and making more accurate the implementation of heights in State levelling network (ŠNS) in the binding European system of normal heights and the Baltic height system. Point parameters of State gravimetric network (ŠGS) were made more accurate by additional absolute and relative gravimetric measurements. The GKÚ performed monitoring, quality control and availability control of RTK services of **SKPOS®** at selected points.

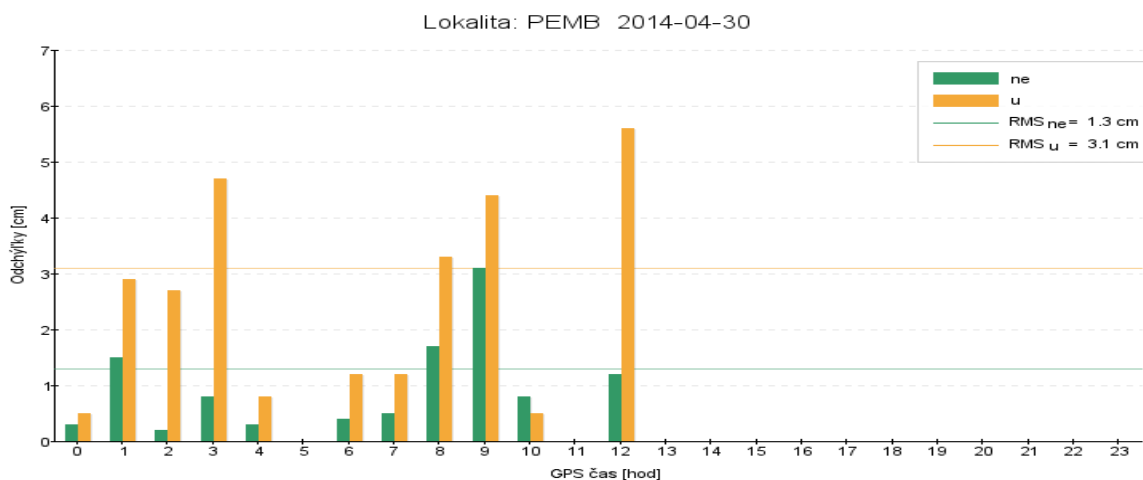


Geodetic point of permanent station

MANAGING THE ACTIVE GEODETIC CONTROL- **SKPOS®**

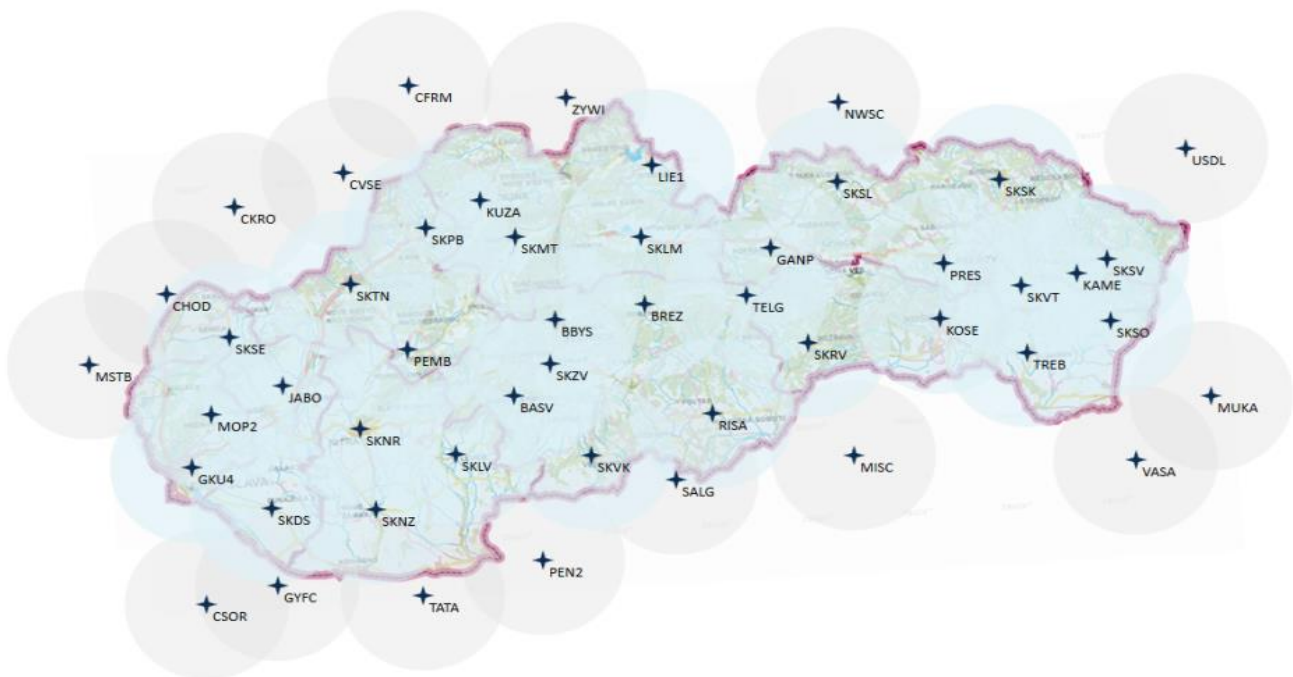
The GKÚ provides uninterrupted operation of **SKPOS®** services in fulfilling the priority task "modernization, updating of software (SW) security of **SKPOS®**". The GKÚ carried out an update of all receivers of **SKPOS®** network. A new base station on KOOÚ Považská Bystrica was included in the network solution and after an upgrade the station BBYS (TOPU Banská Bystrica) was integrated to an active network solution. In 2013, the GKÚ integrated foreign GNSS stations in an active **SKPOS®** network solution, bringing the number of stations in the network to 49 at the end of the year.

The GKÚ also provided another priority task "permanent monitoring of data quality, parameters and services of **SKPOS®**"; provided statistic processing and alarm monitoring.



*Preview of positioning quality from **SKPOS®** monitoring*

Information, services and data from the field of active geodetic control are provided through a **SKPOS**[®] portal (www.skpos.gku.sk), for the public and registered users, which is regularly updated.



*Layout of reference stations used in the **SKPOS**[®] service*

GEODETIC WORK ON STATE BORDERS

The GKÚ (according to Implementing agreement on cooperation while working at state borders concluded under interdepartmental agreement on mutual cooperation between the Ministry of Interior of the Slovak Republic (MV SR) and the ÚGKK SR) carried out tasks on the border with the Czech Republic, Hungary and Austria.



Basic border point on the Slovak-Czech state border

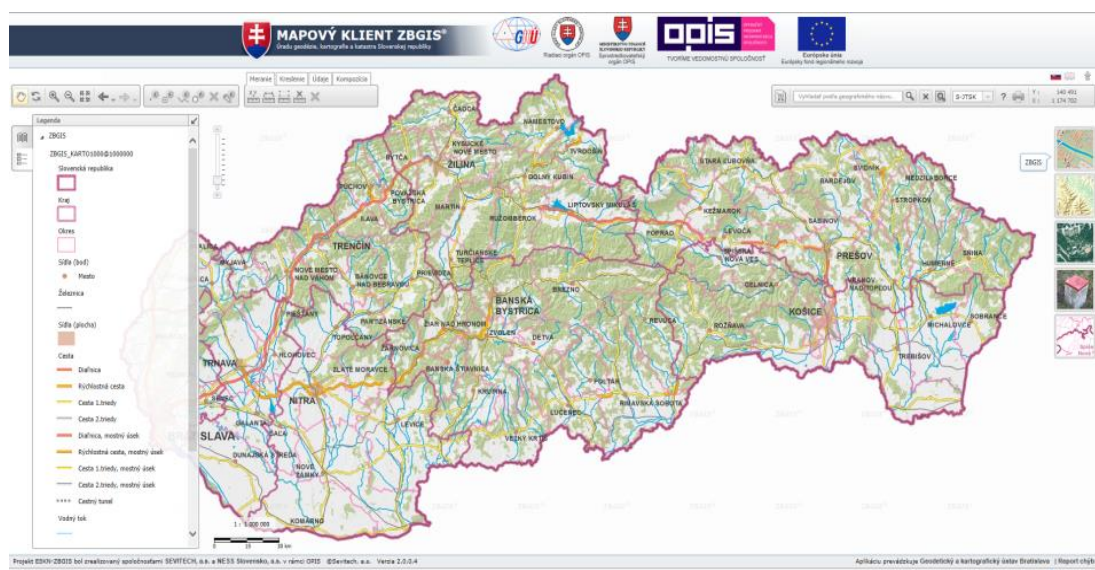
On the Slovak-Austrian state border the GKÚ performed work related to reconnaissance and GNSS measurements on I and II sections in the range of 13 border stones (BS) and the results of border stone measurements in ETRS89 was given to the Austrian partner from the BEV(Austrian agency for national mapping and metromony).

On the Hungarian border a Common surveying group carried out maintenance and renewal on VI, VII, VIII and X border sections in the range of 1,271 BS. On selected BS (271) the group carried out positioning also in ETRS89 using **SKPOS®**. In cooperation with the MV SR it carried out reconnaissance on IX, XVI, XVIII, XIX and XX sections of the Slovak-Hungarian state border. On the bridges over the Ipel' River the GKÚ made and installed information signs about the course of the boundary line.

On V and VII sections of the Slovak-Czech state border the GKÚ carried out maintenance and renewal in the range of 941 BS. On selected BS (138) the group carried out positioning also in ETRS89 using **SKPOS®** and CZEPOS. As part of the maintenance the GKÚ coated and marked BS, cleaned selected circular areas around the BS and parts of border strips or did some landscaping around BS.

ÚGKK SR GEOPORTAL

Launching of significantly renewed Geoportal was one of the major events of 2013. On Geoportal pages a visitor learns basic information on data and services that are produced and provided by the ÚGKK SR. These data and services meet national requirements as well as requirements of the INSPIRE Directive. Discovery services, view services such as WMS, respectively Web Map Tile Service (WMTS), transformation and conversion services are provided free of charge. There is also a list of web services, whether for **ZBGIS®** data or for INSPIRE themes, for which the ÚGKK SR department is responsible. In the case of fee-based services, such as Web Feature Service (WFS) and Web Coverage Service (WCS), the user is redirected to the "Products and Services" page, where he/she can purchase the requested services respectively data, electronically.



Preview of the map browser **ZBGIS®**

Geoportal homepage offers easy access to five freely accessible applications:

- map client **ZBGIS®**,
- discovery service,
- transformation service,
- conversion service,
- metadata editor.

These applications have been developed in the OPIS - ZBGIS project.

EDITORIAL PLAN OF THE ÚGKK SR

In 2013, according to authorized editorial plan, 78 map sheets of cadastral maps were printed. According to customer service requirements, the GKÚ restocked map sheets after their sell-out with a total of 583 pieces of prints. Sold out map sheets, with the publication year older than 2001, were complemented by plotted files. These were formed by merging and adjusting of black and white raster basic documents of the last edition of the nomenclature, in the total of 89 prints.

Fulfilment of the ÚGKK SR editorial plan in 2013 was as follows:

Number	Name of map title	Edition	Number of nomenclatures, titles		
			Plan	Fulfilment	%
	Edition type				
J 58.11.16					
11.21	cadastral map 1:1 000	renewed	9	9	100,0
11.23	cadastral map 1:2 000	renewed	32	32	100,0
11.24	cadastral map 1:2 880	renewed	26	26	100,0
11.25	cadastral map 1:5 000	renewed	11	11	100,0
J 58.11.14					
11.1	technical regulations		0	0	0,0
11.2	nomenclatural publications		2	2	100,0
J 58.11.16		together	78	78	100,0
J 58.11.14		together	2	2	100,0

DOCUMENTATION MANAGEMENT AND CENTRAL ARCHIVE OF GEODESY AND CARTOGRAPHY

Within the task of state documentation management the GKÚ performed basic documentation activities of State map series (ŠMD) consisting of dispatching the editorial plan for 2013, in making the ŠMD copies available and in processing of ŠMD production results and renewal results.

The Central archive of geodesy, cartography and cadastre in 2013 collaborated with several departmental and archival institutions in Slovakia. It provided information and made available archival records to users and researchers in the number of 659. It registered and incorporated into archive funds prints of issued cartographic works in the number of 441 pieces. It handled written demands of citizens and organizations in the number of 195 submissions. Archive staff welcomed 8 excursions, including one expert excursion from Macedonia.

The Central archive of geodesy, cartography and cadastre actively continued in renewing and completing of metadata for original cadastral maps and ŠMO5. It completed the supplementation of database for concretion maps and land remembrance maps.



Samples from the archived colored original land register maps of Banská Bystrica, Bratislava and Košice

SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT

The main activity of VÚGK is solving research tasks and development tasks in the field of geodesy, cartography and cadastre. Implementation of research and development tasks was based on a contract and its amendments. The subject of the contract was to provide services based on the need of making documents for fulfilling the tasks given by the submitter as a central body of state administration in the field of geodesy, cartography and cadastre under current legislation, international agreements, parliament resolutions, government resolutions and top management meetings, as well as tasks and activities arising from the long-term mandate under the foundation charter, the Statute and other organizational and legal documents.

In 2013, the implementation of research and development tasks was focused mainly on:

- software testing of "Electronic services of real estate cadastre (ESKN)" and on cadastral data testing before migrating to "Central system of real estate cadastre (CSKN)", preparation for routine ESKN operation,
- providing of smooth operation of pilot cadastral registry departments (Galanta, Pezinok) equipped with APV Multipurpose cadastre,
- processing of automated data summarization of real estate cadastre to 1 January 2013,
- implementation of tasks aimed at cleaning of SPI KN data and creation of a program to check the XML files,
- optimization of data groups for cadastral documentation renewal and data specification of written part of cadastral documentation renewal,
- issues of the metainformation system in **ZBGIS**[®] and CSKN projects and on monitoring of activities evolving around the INSPIRE implementation,
- obtaining and studying the latest available scientific publications related to "3D cadastre",
- business module functionality,
- analysing of ISO 19152 standard and creation of a framework for quality evaluation of the proposed cadastral data model - CSKN,
- creating an application for unifying ownership documents,
- creating an application for identifying ownership documents,
- creating files on data identification for ROEP participants for validation of their data in the population register of MV SR.

ÚGKK SR BUDGET AND ITS IMPLEMENTATION

Binding indicators of the state budget for 2013 for chapter 31-ÚGKK SR were broken down by the Ministry of Finance of the Slovak Republic by letter MF/027683/2012-441 dated 28 December 2012 in response to the government bill on the state budget for 2013 discussed in the National Council of the Slovak Republic and approved on 13 December 2012 by Act no. 438/2012 Coll. on the state budget for 2013.

The revised budget of binding indicators for 2013 after taking into account performed budgetary measures was as follows:

Revised budget	Amount/ €
Income	417 551
Expenditure of which:	36 811 214
Current expenditure in that:	34 525 507
wages, salaries, service income and other personal compensations	14 350 668
capital expenditure	2 285 707
economic mobilization	1 700

The number of budgetary organization employees of the chapter was approved at 2,487 including 81 people of the ÚGKK SR.

Chapter budget according to the program structure was established in 2013 as follows:

Revised budget	Amount / €
Geodesy, Cartography and Cadastre	41 980 561
Real estate cadastre	37 386 525
in that:	
Cadastral offices	22 823 582
ÚGKK SR	14 562 943
Arrangements of land ownership	320 000
Geodesy and cartography	4 274 036
Economic mobilization	1 700

CHAPTER INCOME

Fulfilment of the ÚGKK SR chapter income reached to 31 December 2013 a total amount of 2,566,408€ (excluding revenues from the sale of duty stamps) which represented 614.64% of adjusted budget for the chapter income, of which the net income of the state budget amounted to 433,820€, which represents 103.90% fulfilment of the revised budget revenue of 417,551€.

To 31 December 2013 the extra-budgetary revenues were fulfilled in the amount of 732,625€. The most important part of the extra-budgetary revenues were the incomes from the parties on the renewal of land registration proceedings and legal relationships to them under the Act no. 180/1995 Coll. on some measures for land ownership arrangements, as amended in the amount of 727,198€.

To 31 December 2013, grants and transfers of the ÚGKK SR chapter amounted to 1,399,963€ and were recorded as transfers within the public administration. These transfers represented the funds provided through the chapter administrator for fulfilling the financial security task of acquired ROEP. The funds for this purpose were granted to the chapter from the Ministry of Agriculture of the Slovak Republic in 2011.

Income	Actual/ €
Non-tax income	6 295 576
Business income and property ownership income	40 983
Administrative and other fees and charges	5 436 130
of which: revenues from sales of duty stamps in the amount of	5 129 131
of	306 999
i.e. net revenue from administrative and other fees and charges	
Capital income	27
Other non-tax income	818 436
Grants and transfers	1 399 963

CHAPTER EXPENDITURE

Drawing of the ÚGKK SR chapter expenditures amounted to 38,909,198€, of which drawing from extra-budgetary sources represented the amount of 2,098,004€ and was covered by achieved revenue within the meaning of § 23 par. 1 of the Act no. 523/2004 Coll. on public administration budgetary rules and amending certain laws.

Drawing of budgetary expenditure was in the amount of 36,811,194€ from the revised budget of 36,811,214€. On current expenditure of the above amounts 34,525,487 € was drawn from the revised budget of 34,525,507 € and for capital expenditure of 2,285,707€ from the revised budget in the amount of 2,285,707€.

	Approved budget /€	Revised budget /€	Actual/€	Drawing %
Total expenditure	41 982 261	36 811 214	38 909 198	105,70
of which: extra-budgetary			2 098 004	-
Current expenditure	41 382 261	34 525 507	36 623 491	106,08
of which:				
Wages, salaries and other personnel costs	18 162 716	14 350 668	14 574 873	101,56
Insurance and contributions to insurance companies	6 356 869	5 159 534	5 175 261	100,30
Goods and services	16 302 676	14 131 042	15 647 503	110,73
Current transfers	560 000	884 263	1 225 854	138,63
Capital expenditure	600 000	2 285 707	2 285 707	100,00

A significant item in the budget chapter comprises of the means for providing ROEP processing according to Act no. 180/1995 Coll. Within the 630 category 1,613,370€ of funds were drawn for that purpose from budgetary resources and from extra budgetary resources in the amount of 1,399,963€.

From the budget of current transfers a transfer for contributory organization-VÚGK was provided in the amount of 552,500€ as a contribution for its operation under the Contract for 2013 and its amendments.

Within drawing of current transfers funds paid out for redundancy, retirement and sickness benefits in the total amount 323,329€ were included. From current transfers a contribution for the international organization EuroGeographics in the amount of 8,434€ was provided.

Capital expenditure set by the breakdown of binding indicators for 2013 amounted to 600,000€ and were fully directed to normal investment activities. After adjustments of MF SR budgetary measures they were increased to an amount of 2,285,707€. The means were used for reconstruction of a lift in Michalovce cadastral registry, for building a computer network in the building of Banska Bystrica cadastral registry, for the acquisition of a GNSS set and two sets of electric source aggregate for Geodetic and Cartographic Institute, for the acquisition of a

negotiating table, for software - support regarding the introduction of e-services and **ZBGIS®** and 10 licenses of KOKEŠ Standard 2 for the ÚGKK SR.

Capital expenditure of OPIS projects were drawn in 2013 in the amount of 2,022,423€. These capital expenditures met the requirement call for ESKN project - ZB GIS / ESKN - ZB GIS.

From the budget of current transfers a transfer for contributory organization-VÚGK was provided in the amount of 84,337€ under Appendix no. 2 to the Contract for 2013 with the purpose specification for providing the integration of OPIS ZBGIS project to the Central portal of public administration through the Business module, for acquisition of computer equipment to support the operation of the Business module and to provide the necessary hardware.

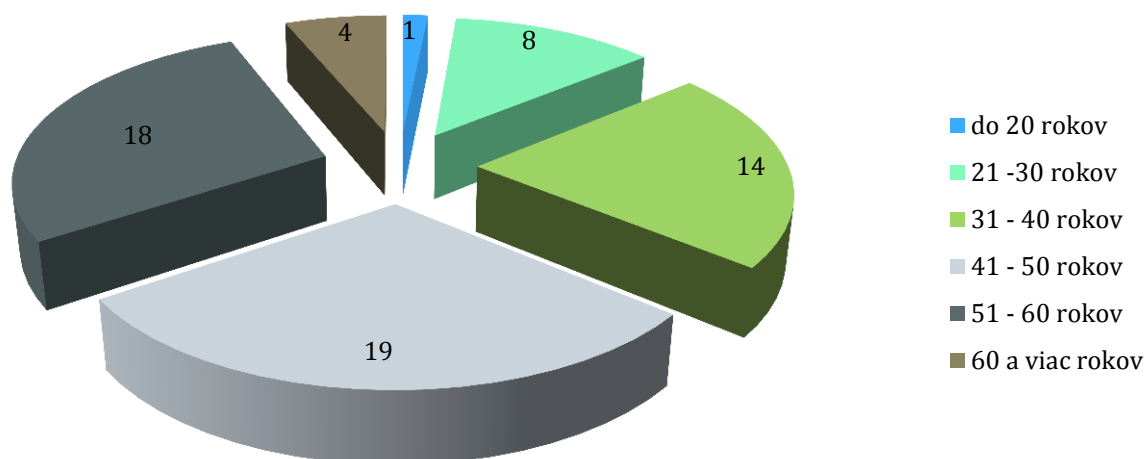
Regarding the implementation of II stage of the ESO program under the Act no. 180/2013 Coll. and within the program structure was as of 1 October 2013 delimited an element - 07U0101 Cadastral offices from the ÚGKK SR chapter to MV SR chapter.

HUMAN RESOURCES

The approved binding indicator of the number of employees of budgetary organizations was for 2013 by schedule set at 2,487 people, including 81 people of the ÚGKK SR. By budgetary measure of MF SR no. 4/2013 dated 19 March 2013 the binding indicator of budgetary organization employees was reduced by 60 persons.

Since 1 October 2013 by budgetary measure the binding indicator of the number of budgetary organization employees was reduced by 538 persons in connection with the transfer of cadastral registry competences from the ÚGKK SR chapter to MV SR chapter.

The average adjusted registered number of the ÚGKK SR employees in 2013 was 64 employees including 51 civil servants and 13 employees performing work in the public interest. The number of managerial staff for the ÚGKK SR was 13. There were 43 women and 21 men employed in the ÚGKK SR. The overall percentage of employed women was 67.18%.



Age structure of the ÚGKK SR employees (blue-under 20 years, brown-over 60 years)

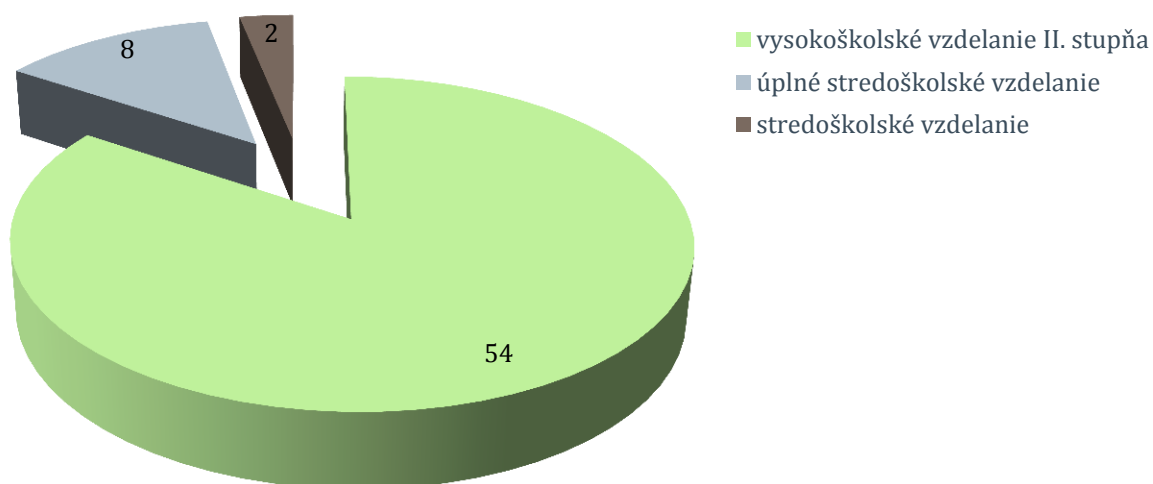
The process of recruitment for available civil service positions took place in response to the notice of vacancies, which were published on the internet by the ÚGKK SR. During 2013, 4 selection procedures were declared.

Within professional training, the employees of the ÚGKK SR-cadastral department carried out for employees of district offices-cadastral departments training focusing on the interpretation of Regulation no. 87/2013 Coll. and its related guidelines issued by the ÚGKK SR. Employees of Legislative and Legal Department carried out training for employees of the ÚGKK SR and GKÚ to Act no. 211/2000 Coll. on free access to information in relation to amendment of Act no. 341/2012 Coll. re-use of information and training for employees of the ÚGKK SR on measures to prevent and forestall corruption in the public agency.

Educational activities were realized also through external educational institutions. In 2013 the language training was focused on teaching English language in the form of individual and group lessons in the premises of the Office. Individual and group lessons were provided for employees who use or prospectively will need English when exercising their official and work duties.

Qualification structure of employees to 31 December 2013:

- university education II degree: 54 employees,
- complete secondary education: 8 employees,
- secondary education: 2 employees.



Educational structure of ÚGKK SR employees (green- university education II degree, grey- complete secondary education, brown- secondary education)

COOPERATION WITH STATE ADMINISTRATION BODIES, ORGANIZATIONS AND PUBLIC SECTOR

In order to fulfil statutory tasks and tasks of local state administration bodies in the field of real estate cadastre the ÚGKK SR cooperates with:

- the Ministry of Interior of the SR in addressing the issues of national borders, in the field of archiving in GKaK area and after the reorganization of local state administration in addressing issues arising from the provision of performance of local state administration in the field of geodesy, cartography and real estate cadastre,
- the MPaRV of the SR for land consolidation and arrangement of land ownership, in the use of GKaK data and in the GIS development,
- the Ministry of Defence of the SR in the GZ development, aerial photography, creation and updating of ZB GIS. In 2013, a new contract on mutual cooperation in the field of geodesy, cartography and spatial reference data between the ÚGKK SR and the Ministry of Defence of the SR was signed,
- the Ministry of Finance of the SR in formulating and implementing of financial and pricing policies, in developing the draft of the state budget and state closing account, in methodical activities in matters of accounting, budgeting and calculation, in implementing a policy of drawing funds from EU funds, in issuing standards for ISUS,
- the Ministry of Economy of the SR, with which a Treaty was signed in 2013 on using services provided under the Primary Database for Geographic Information System for Unified Information System of economic mobilization,
- the Ministry of Culture of the SR in the field of ŠGN, in registering of cultural monuments in KN, in storing and accessing of historical map collections as part of the cultural heritage of the nation,
- the Ministry of Education, Science, Research and Sport of the SR in developing of study content and profile of secondary school and university graduates in the field of geodesy and cartography, in providing state contracts for science and technology in the field of geodesy, cartography and KN, in the ŠGN professional publications and textbooks,
- the Ministry of Justice of the SR in entering of ownership rights and other rights to real estate in the KN, in information issuing from KN for inheritance proceedings, in registering of Ministry of Justice property in KN,
- the Ministry of Foreign Affairs of the SR in creating relationship concepts and participation of the authority and organizations in its competence in international bodies and organizations and in preparing of proposals and implementation of international treaties and agreements within its scope,
- the Ministry of Health of the SR in registering of spa territories and protection zones of natural medicinal resources and natural mineral resources in the KN,
- the Ministry of Environment of the SR in building of national infrastructure for spatial information, in issuing of geological and other thematic maps and atlases, in the field of ŠGN, in registering of individually protected parts of nature and landscape in the KN, in registering of water resource protection zones,

- the Ministry of Transport, Construction and Regional Development of the SR in providing of synergy in the GKaK field, in making cadastral data available and registering of the State law in rem in connection with the construction of motorways and highways, in linking of GKaK information system with other information systems in the territory,
- The ÚGKK SR has allowed through GKÚ to the Ministry of Labour, Social Affairs and Family of the SR and its departments an unlimited access to the cadastral portal in order to provide housing allowance.

COOPERATION WITH ORGANIZATIONS

- Police Force of the SR - detection of the amount of fraud in the real estate management,
- National Motorway Company - proprietary arrangement of land and entry of rights for construction of motorways, highways and related structures,
- Heritage Office - recording of protected subjects in KN
- Research Institute for Soil Science and Soil Conservation - data updating and data provision of valuated soil-ecological units and provision of maps,
- Slovak Environmental Agency - activities related to the implementation of Act no. 3/2010 Coll. on national infrastructure for spatial information, especially for preparation of monitoring report,
- Slovak University of Technology in Bratislava (hereinafter "STU"),
- Technical University in Košice, the BERG Faculty - Commission for the JTSK03 implementation into the KN, the Commission for verification of special professional competence,
- Chamber of Surveyors and Cartographers - Act amendments, participation in the examination committee,
- Slovak Society of Surveyors and Cartographers.

INFORMATION ACCORDING TO THE ACT ON FREE ACCESS TO INFORMATION

Free access to information in the ÚGKK SR terms is in accordance with Act no. 211/2000 Coll. on free access to information and on amendments to certain laws (Freedom of Information Act), as amended by Guideline no. P-7665/2007 dated 17 December 2007, which adjusts relationships in providing information to mass media representatives. Costs for disclosure of information are in accordance with § 21 of Freedom of Information Act as amended regulated by MF SR Decree no. 481/2000 Coll. on details of cost reimbursement for disclosure of information. The Act no. 211/2000 Coll. and the scale of fees are published on the ÚGKK SR website in the tab *ÚGKK / Public access to information*.

In 2013 the ÚGKK SR received in total 184 requests on information to be provided under the Act on Free Access to Information. Of the 184 requests 151 were received by e-mail, other requests were dealt with by telephone.

OVERVIEW OF THE MOST REQUESTED INFORMATION UNDER THE ACT ON FREE ACCESS TO INFORMATION

- Request for disclosure of information on re-use of public sector information, request for access to the IS KN database.
 - *Way of execution: Requests were rejected.*
- Request on the procedure of administrative authority in assessing a contract covered by § 47 article 2 of the Civil Code in proceedings on a proposal for contribution.
 - *Way of execution: Request was rejected.*
- Request to provide guidance respectively other internal management acts of the ÚGKK SR.
 - *Way of execution: Information was provided.*
- Request to provide information in the form of poll (information on the monitoring, on the financial costs when communicating with the media, on the financial costs of own publishing activities, on financing of activities for public events, etc.).
 - *Way of execution: Information was provided.*
- Request to provide information for legal procedure of administrative authority under the Cadastral Act (whether under the registration procedure, record procedure, ROEP procedure).
 - *Way of execution: This type of requests are rejected.*
- Request to provide information on which documents have to be provided when changing data concerning the cadastre (especially change of residence) in case of a Slovak citizen and a foreign national.
 - *Way of execution: Information was provided. (In this connection a Notice no. LPO 3255/2013 dated 27 May 2013 - Procedure of the applicant when applying for change of data in real estate cadastre in accordance with § 43 of the ÚGKK SR Decree no. 461/2009 Coll. implementing the Cadastral Act was drawn up. This Notice is published on the ÚGKK SR website in the "Public access to information" section. Similar applications are further dealt with by referring to the said Notice.)*
- Requests for the information how a submission that was registered by the ÚGKK SR was handled with.
 - *Way of execution: Information was provided.*
- Request for information on what conditions must be met to issue a document copy from the cadastral documentation.
 - *Way of execution: Information was provided.*
- Requests concerning the legal subject of district offices incurred after 1 October 2013.
 - *Way of execution: Forwarded to the relevant responsible person.*

INTERNATIONAL COOPERATION

The orientation of international cooperation of geodesy, cartography and cadastre department has been influenced mainly by our membership in the European Union and by the orientation of Slovak foreign policy.

In 2013, the ÚGKK SR continued in intense international cooperation. On 17-18 November 2013, president of the ÚGKK SR welcomed the president of the Czech Office for Surveying, Mapping and Cadastre and the Director of the Surveying Office of the Czech Republic. The aim of the regular meeting was an exchange of experience in managing the real estate cadastre, its linking to other registers, legislation as well as the creation of reference spatial data.



Visit of the Czech Office for Surveying, Mapping and Cadastre

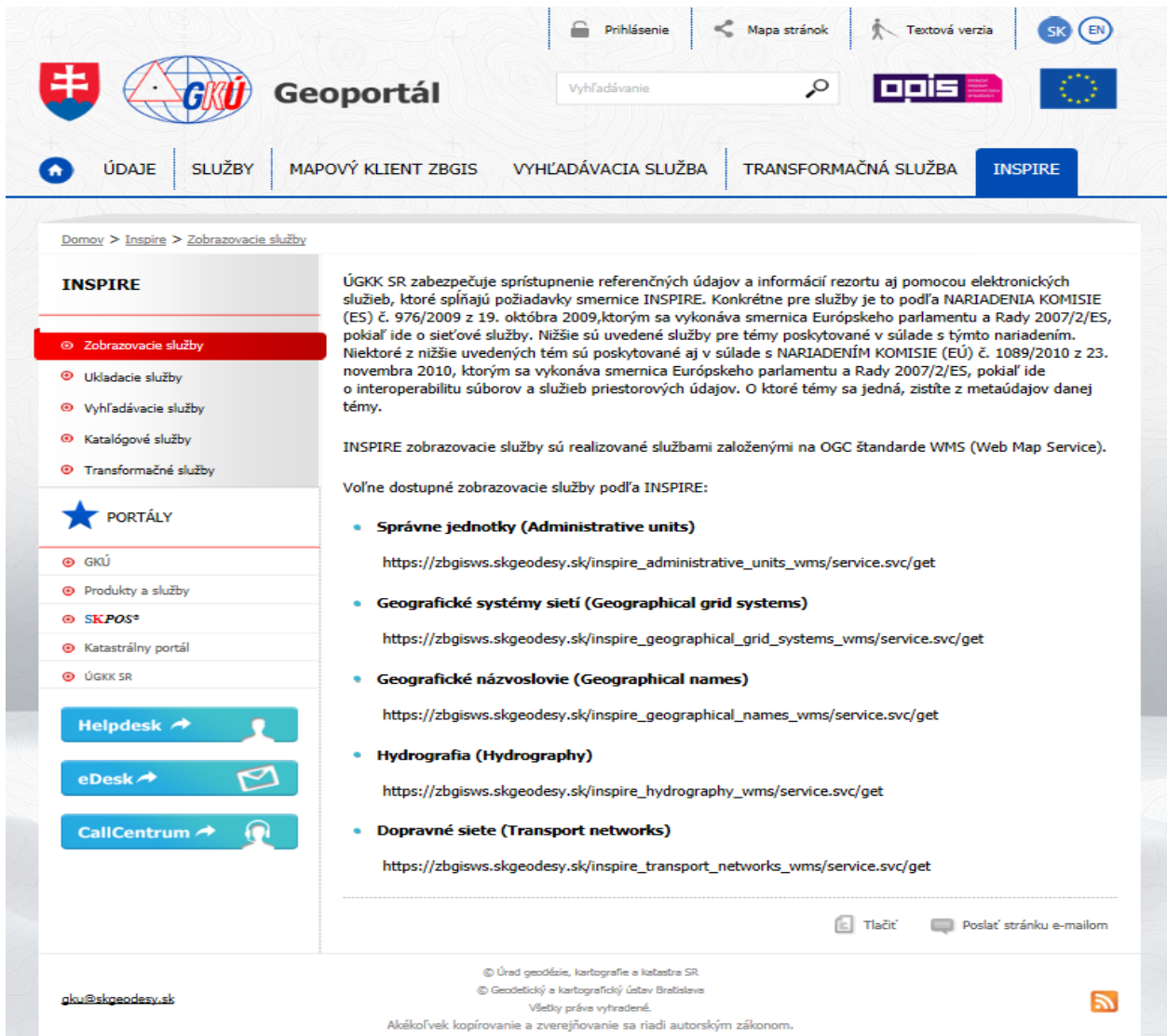
Following the cooperation agreed upon at the meeting of the ÚGKK SR president and the Main surveyor of Poland in 2013 in Bratislava a memorandum on cooperation between these agencies was drawn up. It was signed on 17 May 2013 at the occasion of the 19th Slovakia-Poland-Czech geodetic days in Trenčianske Teplice. Within this Memorandum of Understanding cooperation on the exchange and harmonization of spatial topographic data was agreed.



Signing of the memorandum by presidents of the Slovak and Polish Authorities

In June 2013 representatives of the Macedonian cadastral office visited our office during their TAIEX study tour. They were interested in harmonization of spatial data and services according to the requirements of the European INSPIRE Directive.

In the next 8 years the EU aims to build a European infrastructure for spatial information within the meaning of Directive 2007/2 / EC (INSPIRE). INSPIRE implementation is significantly influencing also the ÚGKK SR department, because this resort has a legal obligation to manage positioning systems, real estate cadastre and reference data for geographic information systems, i.e. all topics that form the core of the INSPIRE spatial information. Transposition of the Directive has been reflected in our legal order. In accordance with the Directive and with the adoption of the Act on National Spatial Data Infrastructure the ÚGKK SR department has been implementing them in practice. Furthermore, the ÚGKK SR is still governed by Regulations which implement this Directive. In 2013, further spatial data services of the ÚGKK SR department were published under the Operational Programme Information Society. By these services the department fulfils its obligations arising from this Directive.



The screenshot shows the 'Geoportál' website interface. At the top, there are navigation links for 'Prihlásenie', 'Mapa stránok', 'Textová verzia', and language options 'SK' and 'EN'. The main navigation bar includes 'ÚDAJE', 'SLUŽBY', 'MAPOVÝ KLIENT ZBGIS', 'VYHĽADÁVACIA SLUŽBA', 'TRANSFORMAČNÁ SLUŽBA', and 'INSPIRE'. The 'INSPIRE' section is active, displaying a list of services on the left and detailed information on the right.

INSPIRE

- Zobrazovacie služby
- Ukladacie služby
- Vyhľadávacie služby
- Katalógové služby
- Transformačné služby

PORTÁLY

- GKÚ
- Produkty a služby
- SKPOS²
- Katastrálny portál
- ÚGKK SR

Helpdesk →
eDesk →
CallCenter →

ÚGKK SR zabezpečuje sprístupnenie referenčných údajov a informácií rezortu aj pomocou elektronických služieb, ktoré spĺňajú požiadavky smernice INSPIRE. Konkrétne pre služby je to podľa NARIADENIA KOMISIE (ES) č. 976/2009 z 19. októbra 2009, ktorým sa vykonáva smernica Európskeho parlamentu a Rady 2007/2/ES, pokiaľ ide o sieťové služby. Nižšie sú uvedené služby pre témy poskytované v súlade s týmto nariadením. Niektoré z nižšie uvedených tém sú poskytované aj v súlade s NARIADENÍM KOMISIE (EÚ) č. 1089/2010 z 23. novembra 2010, ktorým sa vykonáva smernica Európskeho parlamentu a Rady 2007/2/ES, pokiaľ ide o interoperabilitu súborov a služieb priestorových údajov. O ktoré témy sa jedná, zistíte z metaúdajov danej témy.

INSPIRE zobrazovacie služby sú realizované službami založenými na OGC štandarde WMS (Web Map Service).

Voľne dostupné zobrazovacie služby podľa INSPIRE:

- Správne jednotky (Administrative units)**
https://zbgisws.skgeodesy.sk/inspire_administrative_units_wms/service.svc/get
- Geografické systémy sietí (Geographical grid systems)**
https://zbgisws.skgeodesy.sk/inspire_geographical_grid_systems_wms/service.svc/get
- Geografické názvoslovie (Geographical names)**
https://zbgisws.skgeodesy.sk/inspire_geographical_names_wms/service.svc/get
- Hydrografia (Hydrography)**
https://zbgisws.skgeodesy.sk/inspire_hydrography_wms/service.svc/get
- Dopravné siete (Transport networks)**
https://zbgisws.skgeodesy.sk/inspire_transport_networks_wms/service.svc/get

Tlačiť Poslať stránku e-mailom

gku@skgeodesy.sk

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 © Geodetický a kartografický ústav Bratislava
 Všetky práva vyhradené.
 Akékoľvek kopírovanie a zverejňovanie sa riadi autorským zákonom.

Freely available department map services under the INSPIRE Directive

Since 2008, the ÚGKK SR has been actively involved in activities of Permanent Committee on Cadastre in the European Union (PCC), which is an association of cadastral institutions of EU Member States. Its aim is to create a suitable space for presentation of EU activities and member states relating to cadastre and on this basis developing strategies and proposing joint initiatives of users. The PCC does not have permanent leadership, but the chair is always administered by the country holding the chair of the European Union. In 2013 there were two meetings. One was held in Ireland the other one in Lithuania. The aim was meeting of members and observers of the Permanent Committee and other interested institutions and organizations to discuss issues related to real estate cadastre, surveying activities, e-services and international cooperation among European associations and institutions.

The ÚGKK SR actively participates in the EUREF activities (Sub-committee of the International Geodetic Association for defining reference systems for Europe), which provides uniform European reference systems for spatial data harmonization within Europe.

The ÚGKK SR is also a member of the EUPOS initiative (European Position Determination System), which aims to build up a unified ground infrastructure for positioning in real time using global navigation satellite systems in a common European coordinate system.

Since 1999, the ÚGKK SR has been involved in activities of the European Committee for Standardization under the Technical Committee 287 (CEN / TC 287) and in activities of the International Organization for Standardization under the Technical Committee 211 (ISO / TC211) which are dealing with the area of geographic information. The Authority cooperates with all neighbouring countries in the field of linking the geodetic control, documenting the course of state borders as well as mutual information about directions on development of relevant institutions.

From a professional point of view the membership in the EuroGeographics community is important for the ÚGKK SR. It brings together 58 national geodetic, cartographic and cadastral authorities from 46 European countries. The main task of the community is to support the exchange of geographic information, including topographic mapping information among the relevant national institutions in Europe as well as between Europe and the rest of the world and thus creating a suitable basis for EU policies and formulate a strategic plan of geodesy, cartography and cadastre development. Cooperation is based on getting involved in the European legislative and administrative policy and in organizing of information services primarily via the internet. Cooperation is implemented through activities of expert working groups and in implementing of intentions in international projects.

As a member of the association the department again provided updated data in 2013 to common products which consist of harmonized datasets:

- EuroGlobalMap – scale 1:1 000 000
- EuroregionalMap – scale 1:250 000
- EuroBoundaryMap – administrative boundaries in the scale of 1:100 000
- EuroDEM – elevation terrain model.

DATA FOR THE ONGOING YEAR 2014

PLAN OF LEGISLATIVE TASKS OF THE ÚGKK SR FOR 2014

In 2014 the ÚGKK SR is planning to submit these materials into legislative process:

- Draft Act on Real Estate Cadastre and on amendments of certain acts.
- Draft Act on Geodesy and Cartography and on amendment of the National Council of the Slovak Republic Act no. 216/1995 Coll. on Chamber of Surveyors and Cartographers, as amended.
- Draft Decree stipulating the details on the entry of ownership rights and other rights to real estates in real estate cadastre.
- Draft Decree stipulating the details of geodetic and cartographic activities in the field of cadastre.
- Draft Decree which will carry out the Act on Geodesy and Cartography.
- Draft Decree which will issue the management regulation.

BUDGET FOR A NORMAL YEAR

The Government of Slovakia by Resolution no. 588 dated 10 October 2013 approved the draft of state budget and draft budgets for chapters of the state budget for 2014. The Government bill on the state budget for 2014 was discussed in the National Council of the Slovak Republic and approved on 12 December 2013 by the Act no. 473/2013 Coll.

Breakdown of binding indicators of the state budget for 2014 for the ÚGKK SR:

Income 345 000 €
 Expenditure 15 131 253 €

Approved budget of chapters by the program structure:

Revised budget	Amount/ €
Geodesy, cartography and cadastre	15 129 553
Real estate cadastre	11 297 820
ÚGKK SR	11 297 820
Arrangement of land ownership	320 000
Geodesy and cartography	3 511 733
Economic mobilization	1 700

PRIORITIES OF THE GEODESY, CARTOGRAPHY AND CADASTRE DEPARTMENT FOR 2014

In relation to further prospect of cadastral development the main task of the ÚGKK SR is the inclusion of a new Cadastral Act and a new Act on Geodesy and Cartography and their implementing regulations into the legislative process, their approval, expected to take effect on 1 July 2015. Also, a key task is the informatization of GKaK department and continuation of work on approved projects under the Operational Programme Information Society - Electronic services of real estate cadastre associated with it.

CADASTRAL PRIORITIES:

- fulfilment of activities and deadlines provided by law,
- establishment of vector cadastral maps in all cadastral districts,
- completion of preparing and adopting of renewed land inventory registers,
- creation and updating of adopted measurement files in those cadastral districts where a transformed vector cadastral map is administered,
- complement vector cadastral maps implemented by all numerical results of measurements
- provide cooperation for the Electronic services of real estate cadastre project (KN data cleaning, migration, testing, training, methodology development),
- complete digitization of vector cadastral maps of determined documentation and keep these in a useful state,
- electronic management of ownership documents and optimization of the number of ownership documents,
- create freely available and updated information system which contains basic information about the quality of geodetic data file for each cadastral district,
- provide the completion, adoption and declaration of validity of cadastral documentation after the renewal of cadastral documentation by new mapping in selected cadastral districts.

GEODETIC CONTROL PRIORITIES

- provide comprehensive operation of Slovak spatial observational service **SKPOS**[®]
- complex solution of altitudinal geodetic control

SPATIAL DATA PRIORITIES

- updating of **ZBGIS**[®] using photogrammetric processing, from the real estate cadastre and other external sources,
- production of ortophoto under the initiative of the Ministry of Agriculture and Rural Development of the SR.

CONCLUSION

At cadastral registries and after the change of local state administration organization at district offices-cadastral departments the emphasis was placed on the decision on lodgement of registration, document entries, adoption of registers, work related to proceedings on renewal of land inventory and legal relationships to them, following cadastral data corrections and their entry and information provision.

In 2013, by adopting of Decree no. 87/2013 Coll. amending Decree no. 461/2009 Coll. the issue of quality of geodetic data file was significantly addressed. Among other things, an adopted measurement file for cadastral districts with a non-numerical vector cadastral map has been introduced. This file contains all numerical results of measurements entered into the current state of cadastral documentation.

During 2013, GKÚ and VÚGK were fulfilling monitored tasks within the meaning of "Contracts on the implementation of geodetic, cartographic and cadastral services and fulfilling of the ÚGKK SR editorial plan and research tasks for 2013".

The ÚGKK SR, by launching a new Geoportal in 2013 as a significant result of its activities, made available ZBGIS reference spatial data to the broad professional and general public. These data form the localization and geometric basis of national infrastructure for spatial information and create a fundamental map basis for public administration institutions for displaying their own subjects of interest.

In addition to standard tasks of the geodesy, cartography and cadastre department which are financed from the state budget, it will be important in 2014 to continue in addressing of approved national projects included in the OPIS: ESKN and ESKN -ZBGIS. Through these projects the department has been solving complex and efficient digitization of administrative, decision-making and managerial processes in the field of real estate cadastre.

