

# State of the real estate cadastre in Slovakia and progress achieved in the course of 2013

**31<sup>st</sup> expert negotiations of geodesy, cartography  
and cadastre authorities of the Czech Republic,  
Croatia, Hungary, Austria, Slovakia,  
Slovenia, Trentino - South Tyrol**

**28<sup>th</sup> to 30<sup>th</sup> May 2014**



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# The Slovak Republic - administrative division



**8 regions**  
**72 districts - 75 departments**  
**3559 cadastral districts**

## Subject of the real estate cadastre

<b>Districts</b>	<b>79</b>
<b>Municipalities</b>	2 927
<b>Cadastral districts</b>	3 559
<b>C-register parcels</b>	7 111 558
<b>of which % of parcels with registered ownership relation in the ownership document</b>	79 %
<b>E-register parcels</b>	8 080 740
<b>Houses with a register number</b>	2 257 859
<b>Flats owned by juridical persons</b>	62 142
<b>Flats owned by individual persons</b>	848 070
<b>Ownership documents (an average extent of OD is 4 pages)</b>	4 356 425

## Strengths of the cadastral system in Slovakia

- State guarantee of the decision to authorize the contribution of ownership right
- Legal security
- Complete coverage by cadastral documentation
- Complexity, responsibility and safety of the system
- Automated electronic processing
- Integration with other information systems
- Sufficiently structured system with centralized management

# Changes in the real estate cadastre during 2013

- Changes in the organisational structure
- Adoption of the Regulation no. 87/2013 Coll.
- New comprehensive technology of vector cadastral map administration
- Gradual completion of the registers of renewed land inventory (230-258-198)
- Web transformation service
- Number of Ownership Document optimization

## Adoption of the Regulation no. 87/2013 Coll.

- Complete projection of adopted numerical measurement results to the VKM
- Ensuring of unlimited time and spatial reconstruction of correct measurements
- Gathering of adopted numerical results into a single adopted measurement file
- Joining of parcel boundary measurement, related calculations for documenting an unambiguous position of boundary break points in ETRS89 and S-JTSK
- Technical assurance of data collection in the field by the means of SK POS
- Joining of the latest technologies with a data base in different geodetic systems
- Departmental transformation

# Incorporation of numerical measurement results

- JA185KN
- JA181KN
- JA172
- Ja 1701
- JA168k
- JA168k
- JA164K
- ja 163
- JA155K
- ja 154
- JA144
- JA143k
- JA139K
- Ja 131k
- JA0291
- JA0291
- JA0290
- JA0290
- JA0289
- JA0288
- JA0285
- Ja0284
- JA0283
- JA0282
- Ja0281
- JA0280
- JA0279
- Ja0278
- Ja0278

VGI  
vgi  
vgi

ZÁZNAM PODROBNÉHO MERANIA ZMIEN				Číslo	1046
Kraj	Bratislavský	Oblasť	Pezinok	Obec	Budmerice
Vyhovod	Karol Svätý	Meno	Karol Svätý	Nové traktory so sanonami	Meranie pre geomerný plán čísla
Číslo	303 56 462	Dňa	27.04.2011	Mer. umiest.	21/2011
Číslo zmeny	PS vč. ústn.	Autorizované overenie	Dátum overenia	Meno	Ing. Michal Lohman
1	Z.S.XVI-19-20	1	29.09.2011	1	10 20
2	1909	2	27	2	8.57 10 14

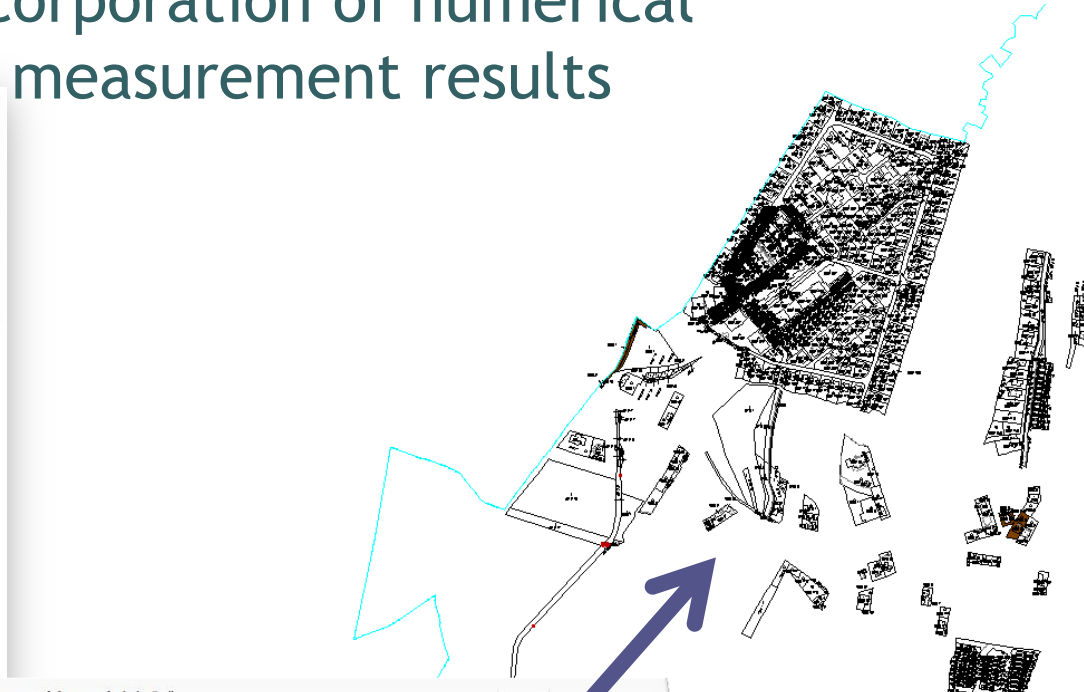


Nový stav : 2551/5 - Stanislav Mrva, Podhájska 154, Budmerice  
 2551/10 - detto  
 2551/203 - Stanislav Mrva a Vlasta Mrvová, Podhájska 154, Budmerice  
 2551/6 - detto  
 2551/204 - detto  
 2551/205 - detto



Mierka 1:350

Neobstarávané (zahrnuté) do stromovej a pralesnej a sanonovej úhrovej novozastavaných pozemkov  
 Dátum: 29.09.2011  
 Podpis: [Signature]



Graphical part

Č. ZPMZ	Právny výt.	Spracovanie ZPMZ	Pozemok	Nezodpoved.	Pozemok	Dátum poslednej aktualizácie	Právn. výt.	Právn. výt.	Právn. výt.
392	NEVYDOPADNÝ					2013	8	30	
393 S-JTSK	ZAPISANY-SPM					2013	8	30	
394 S-JTSK	NEZAPISANY					2013	8	30	
395 S-JTSK	ZAPISANY-SPM					2013	8	30	
396 S-JTSK	NEZAPISANY					2013	8	30	
397 S-JTSK	ZAPISANY-SPM	zmenený 457				2013	8	30	
398 S-JTSK	NEZAPISANY					2013	8	30	
399 S-JTSK	ZAPISANY-SPM					2013	8	30	
400 S-JTSK	ZAPISANY-SPM	k dispozícii iba vgi, nie je GP				2013	8	30	
401 S-JTSK	NEVYDOPADNÝ					2013	8	30	
402	NEVYDOPADNÝ					2013	8	30	
403 S-JTSK	ZAPISANY-SPM	iba 605/64, ostatné súradnice neprevzaté - katografické				2013	8	30	
404 S-JTSK	ZAPISANY-SPM					2013	8	30	
405	NEVYDOPADNÝ					2013	8	30	
406 S-JTSK	NEZAPISANY					2013	8	30	
407 S-JTSK	ZAPISANY-SPM	zmenený 465				2013	8	30	
408 S-JTSK	ZAPISANY-SPM					2013	8	30	
409 S-JTSK	ZAPISANY-SPM	opravený bod 1400010090, dočíslovaný bod				2013	8	30	
410	NEVYDOPADNÝ					2013	8	30	
411	NEVYDOPADNÝ					2013	8	30	
412 S-JTSK	NEZAPISANY					2013	8	30	
413 S-JTSK	ZAPISANY-SPM					2013	8	30	
414 S-JTSK	ZAPISANY-SPM					2013	8	30	
415 S-JTSK	ZAPISANY-SPM					2013	8	30	
416 S-JTSK	NEZAPISANY					2013	8	30	
417 S-JTSK	ZAPISANY-SPM	vo vgi T=4 zmenený na T=3				2013	8	30	
418 S-JTSK	ZAPISANY-SPM					2013	8	30	
419 S-JTSK	ZAPISANY-SPM					2013	8	30	
420 S-JTSK	ZAPISANY-SPM	k dispozícii iba vgi, nie je GP				2013	8	30	
421 S-JTSK	ZAPISANY-SPM					2013	8	30	
422	VN					2013	8	30	
423 S-JTSK	ZAPISANY-SPM	navyřtorené VGI				2013	8	30	
424 S-JTSK	ZAPISANY-SPM					2013	8	30	
425 S-JTSK	ZAPISANY-SPM					2013	8	30	
426 S-JTSK	NEZAPISANY					2013	8	30	

Data analysis

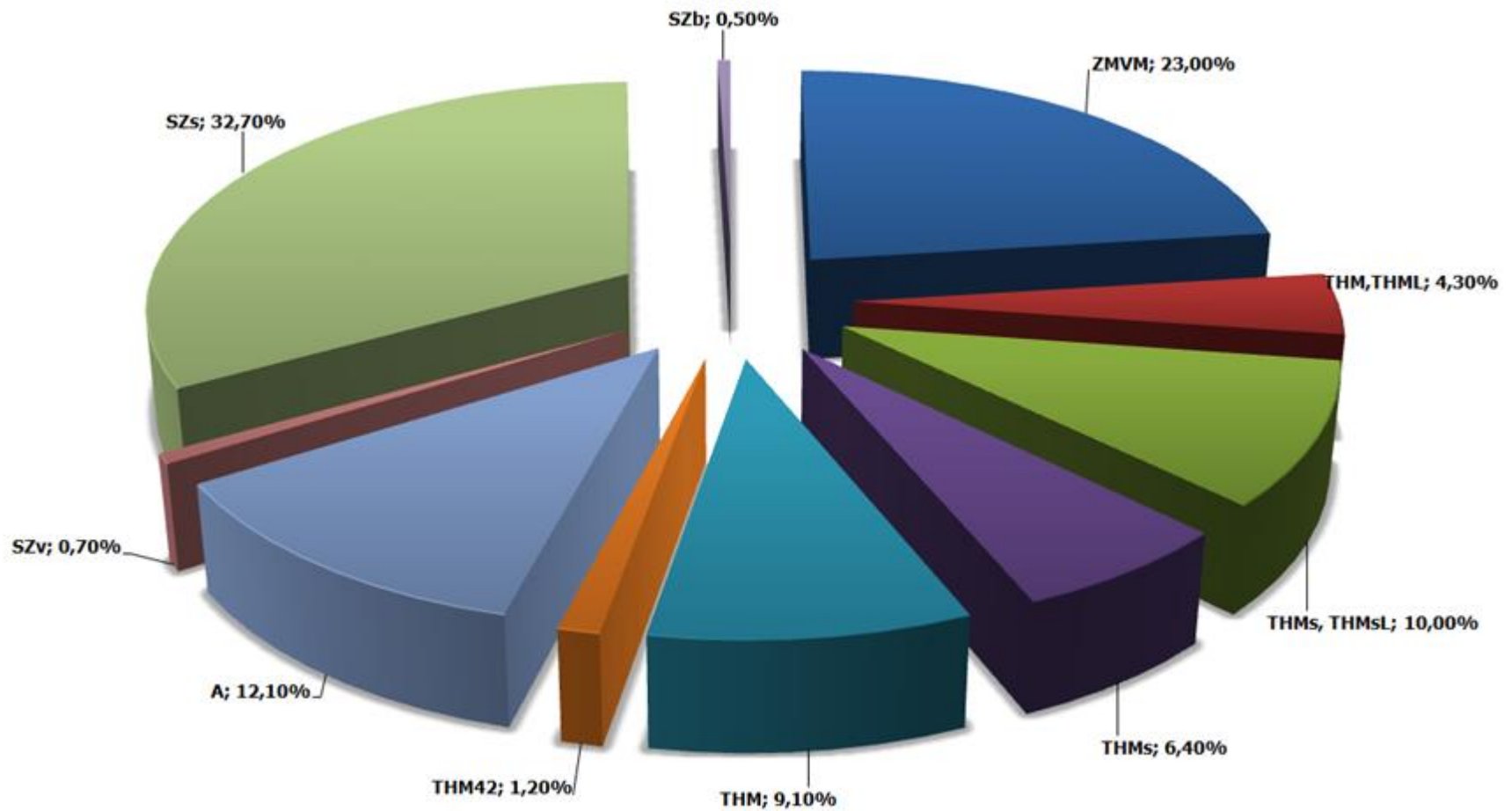
VGP, lists of coordinates, ZPMZ and other analog documents

# New comprehensive technology of vector cadastral map administration

- Number of vector cadastral map files optimization (5317-1168=4149)
- Registration of numerical measurements in cadastral districts with non-numerical vector cadastral map (480000 – 585000)
- Vector maps of determined documentation showing the original properties (457 still 1500 more)



# Types of cadastral maps

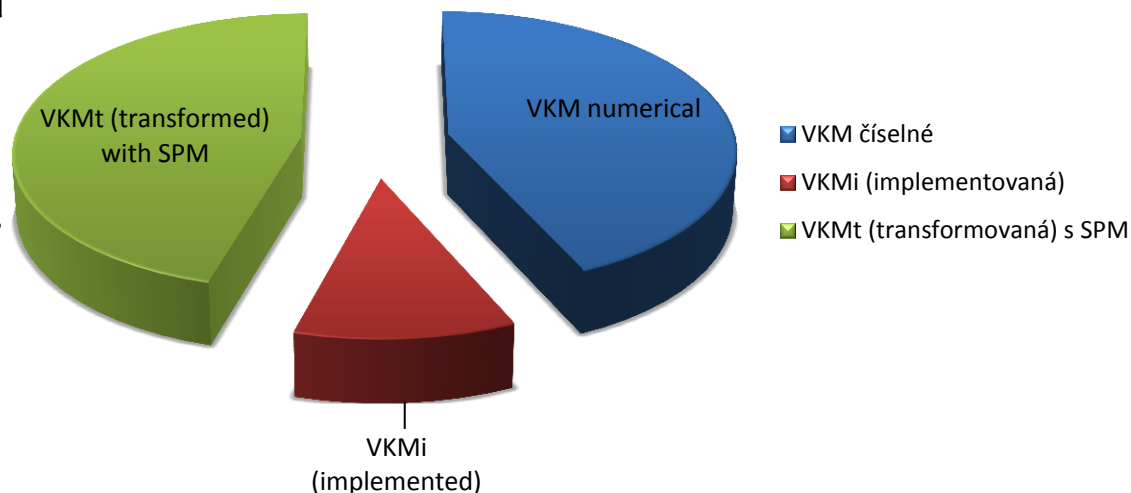


- **Imperial scales - Hungarian coordinate systems** **33.9%**
- **Decimal scales – S-JTSK** **66.1%**

# New distribution of vector cadastral maps

Vector maps	number
Number of vector maps	4149
VKM numerical	1796
VKMi (implemented)	459
VKMt (transformed) with SPM	1894

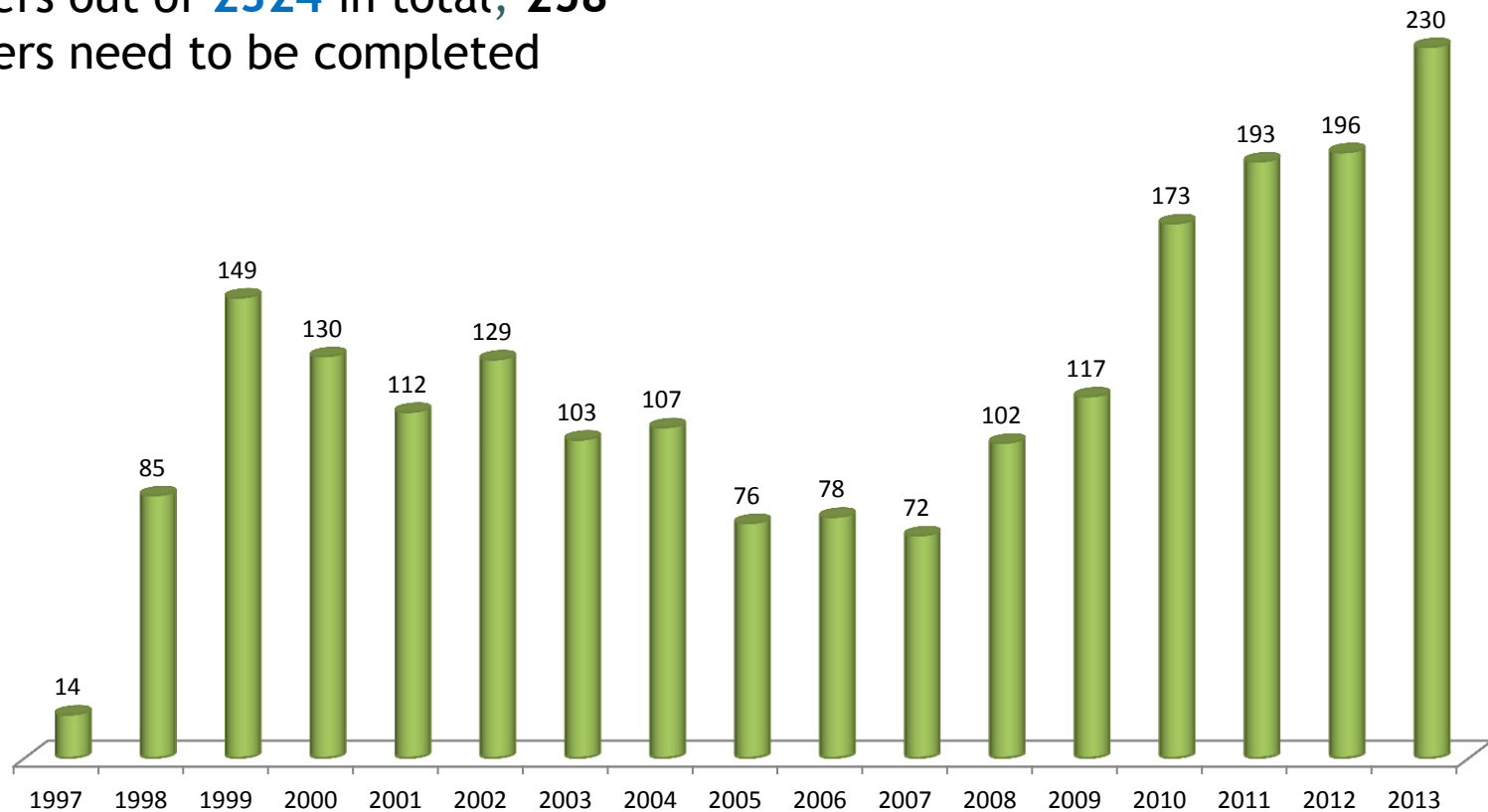
510 files remain to finalize -  
12.3% of the territory



# Register of renewed land inventory

Proceedings under the Act no. 180/1995 Coll. on some measures for land ownership arrangements (ROEP)

To 31.12.2013 there are **2066** completed registers out of **2324** in total, **258** registers need to be completed



# Departmental transformation service

## Measurement

ETRS89  JTSK03  JTSK

Established by president's decision:

- Departmental transformation service since 30.1.2013
- Conversion interpolation table

Transformation is realised

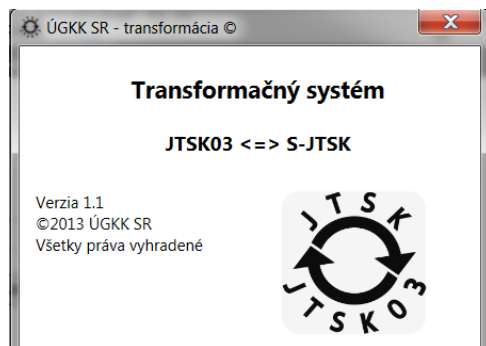
Directly in GNSS receiver



On the Authority's website



PC application



# Tasks in the cadastre area

1/2

- To incorporate all numerical measurement results into the VKM
- To complete the digitization of vector cadastral maps with the optimization of the number of files
- To create a freely available updated information system containing basic information about the quality of geodetic data file
- To improve the quality of making survey sketches and to eliminate individual and regional differences in their making and their authorization and official verification

# Tasks in the cadastre area

## 2/2

- To complete compilation and adoption of registers of renewed land inventory
- To complete manually updated paper originals of ownership documents
- To optimize shared ownership registration in fragmented ownership relations
- To optimize shared ownership registration
- To eliminate as many shortcomings as possible in the structure and quality of cadastral data

## Tasks for the next five years

- Continuation in adopting of land consolidation results (proceedings under the Act no. 330/1991 Coll. on land consolidation, ownership right arrangement, land offices, land resources and land communities, as amended).
- Analysis of possibilities of the central database solution of the information system.
- Interconnection of the cadastral information system to other information systems of state administration
- Renewal of the cadastral documentation by new mapping in built-up areas of municipalities (everywhere where there is a non-numerical vector cadastral map) in the cadastral districts with adopted land consolidation projects, depending on budget.

28 - 30 May 2014

Thank you for your  
attention

Modor



ÚGKK SR

Úrad geodézie, kartografie a katastra  
Slovenskej republiky

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