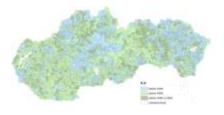


Cadaster -New projects

➤ Measuring technology –Geodesy



> Geodetic Data File



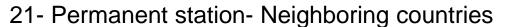
> Descriptive Data File



SK POS- Slovak real-time positioning service



34 - Permanent station- Slovakia





Since November 2018 are all satellite system included GPS, Glonass, Galileo, Beidou



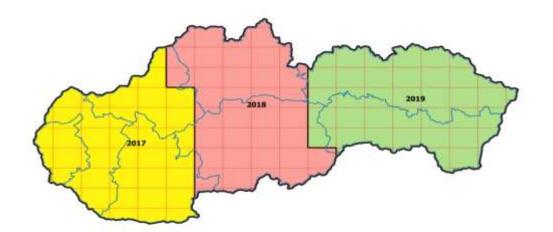






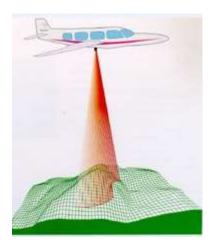
Orthophotos

- Cooperation between GCCA and Ministry of Agriculture
 - Quality parameters:
 - GSD 0,25 m,
 - RMSE_{xy}=0,35 m
- Data are provided free of charge:
 - raster data,
 - wms 1.3.0,
 - Geoportal

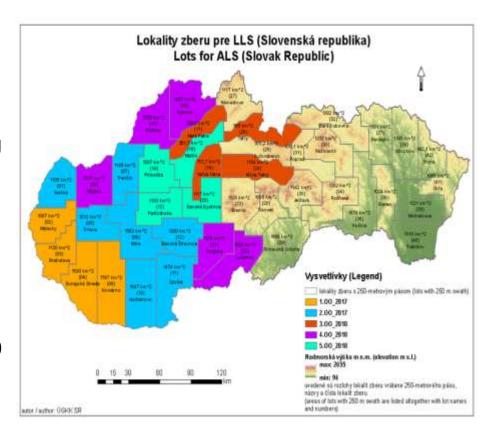




Digital elevation model



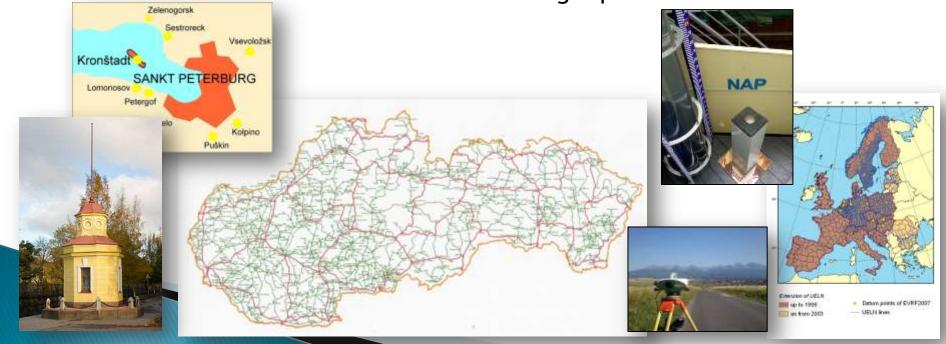
- airborne laser scanning
- density min.15 points/m²
- $m_{XY} \le 0,50 \text{ m in}$ ETRS89-TM34
- $m_h \le 0.11 \text{ m in ETRS89}$
- DEM 1m resolution



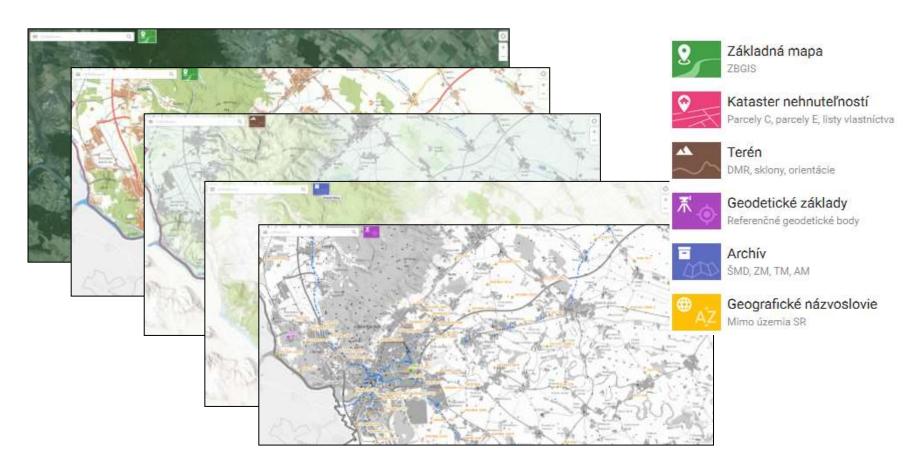
Baltic (Bpv) → EVRS (EVRFyyyy)

- Present state (2019):
 - Bpv (Bpv 1957) EPSG:8357
 - Sea level: Kronštadt
 - Type of elevation: Normal heights according to Moloden

- Plan (cca 2025):
 - EVRS (EVRF2007) EPSG:5730
 - Sea level : NAP (Amsterdam)W₀ = W_{0E} (NAP)
 - Normal heights / geopotential dimensions



Map client - ZBGIS



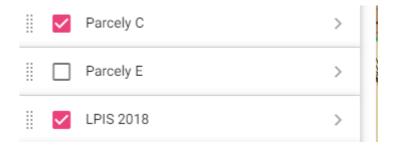
Map client - ZBGIS

- Works on mobile phones
- Identification of parcel via GNSS





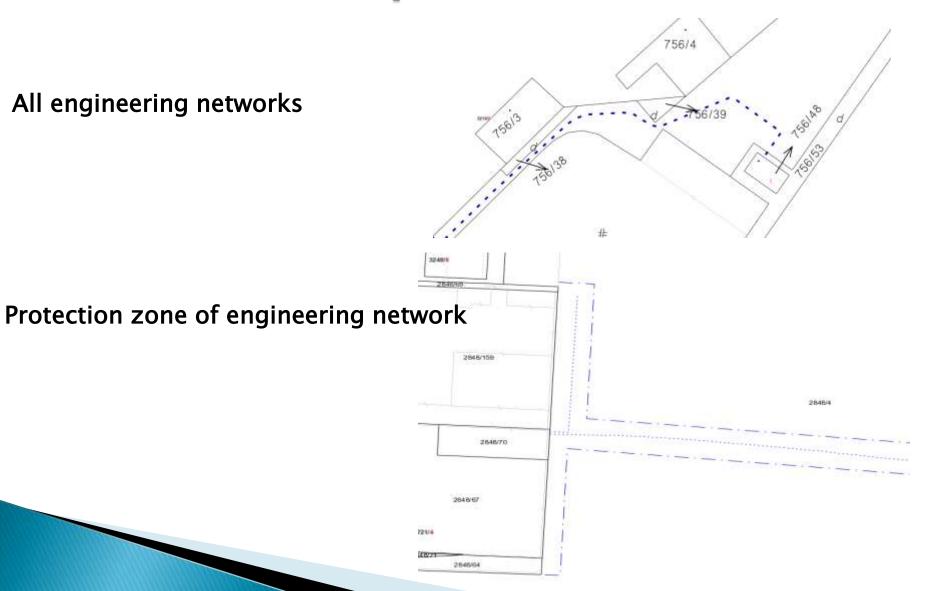
LPIS





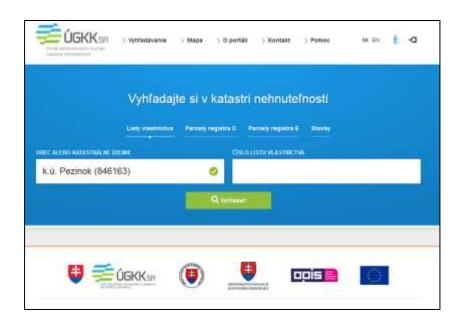
ZBGIS- New plans

All engineering networks



Electronic Cadastral Services-ESKN 15 Portal

https://kataster.skgeodesy.sk/Portal/





Portal mainly used by professionals

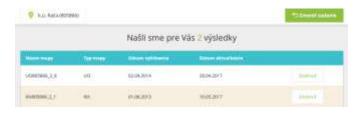
Electronic Cadastral Services-ESKN 15 Portal

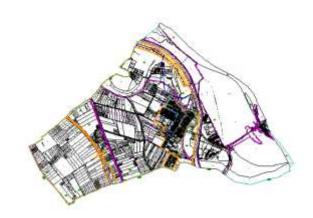
https://kataster.skgeodesy.sk/Portal/

Authorized users - surveyors



Geodetic Data File





Descriptive Data File

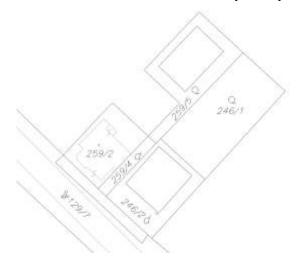


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Electronic Cadastral Services-ESKN 15 Portal

https://kataster.skgeodesy.sk/Portal/

ON-LINE control of VGI (CAD), XML





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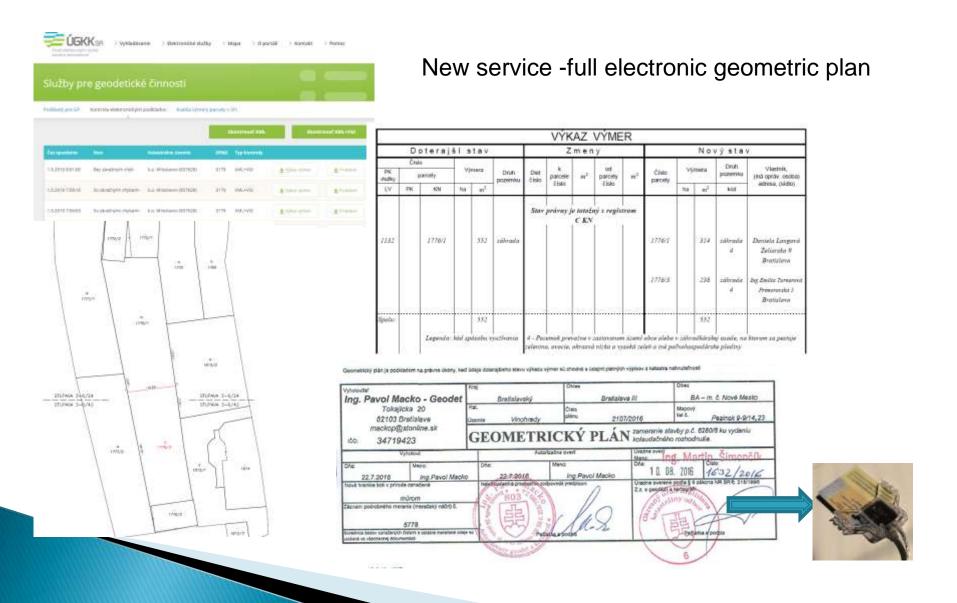
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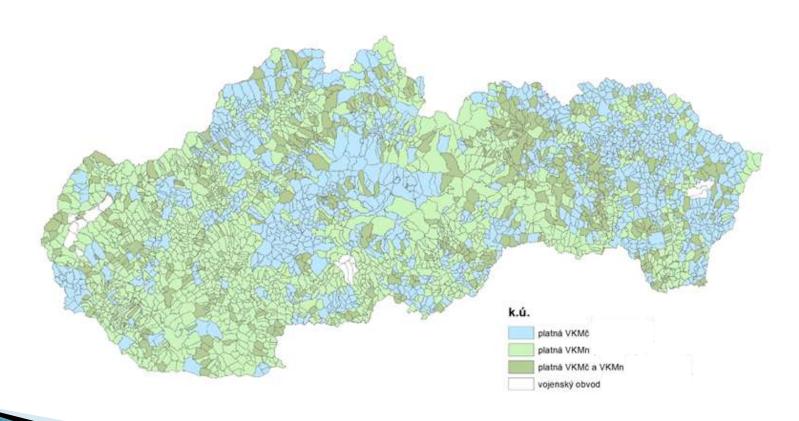
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Electronic Cadastral Services - Future



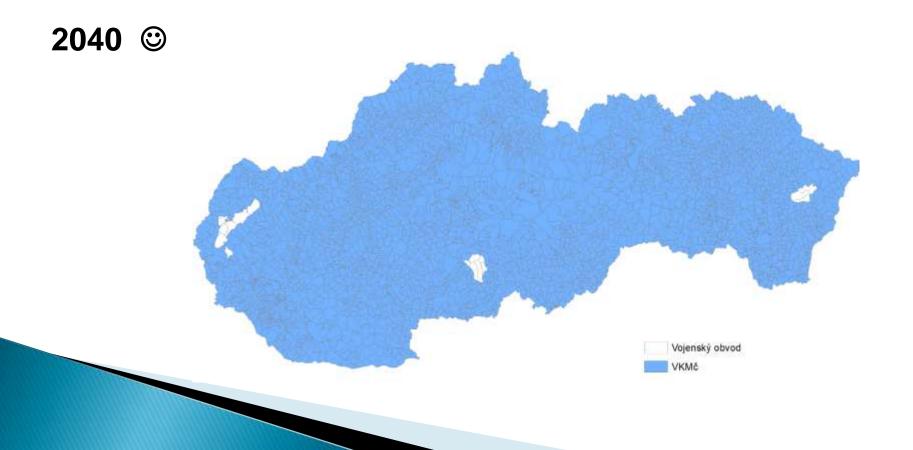
Vector Cadastral Maps

- All cadastral maps are administrated as vector cadastral maps
- Number of cadastral units: 3559 (17 military areas)
- ▶ 1850 cadastral units in satisfactory quality
- 1692 cadastral units unsatisfactory quality for the 21st century



Vector Cadastral Maps -New project

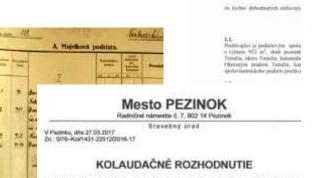
- 2018 2 cadastral units mapping– pilot project in built-up area of the village
- 2019 5 cadastral units mapping- in built-up area of the village
- > 2019 168 cadastral units land consolidation in non built-up area
- 2020 10 ?? cadastral units -mapping



Descriptive Data File

Kopna zmluva





Novrhovateľ: Vlastnící bytov a nebytových priestorov, Záhradná 3, Pazinok, 902 01. Pezinsk v participani. SPRÁVA BYTOVÝCH DOMOV, spot. s r.o., Komerského 1436/10, 900 01. Modra podal dřia 13,07,2016 na Mesto Pecinok - stavetiný úrad návm na kolaudáciu stavby. Obnova zateplenie bytového domu, Záhradná 3, Peznok (parc. č.: 4699, súp. č.: 1375, kat. úz.: Peznok). No stavbu bolo stavebným úradom Mesta Pazinok vydané stavebné povolenie god zn.: 5/75-SP/1660-33893/2015 dfa 02.03.2015

Mesto Peonok, ako pristulný stavebný úrad podľa § 117 ods. 1 zákona č. 50/1075 Zb. o (zemnom plánovaní a stavebnom portadku v znení neskorších predpisov (dalej len stavebný zákori), po preskúrvaní návitu a na základe ústneho pojedrávania spojeného s miestrym ztafovaním konaného dňa 23.06.2016

podľa § 52 oda 1 stavebného zákona.

povoľuje užívanie

STAVEY

Obnova a zateplenie bytového doma ul. Záhradná 3, Poznok

parc. 5.: 4889

500 A: 5376

kat. úz., Pezinok

Stavbe obsahuje: odstrárenie systémovej poruchy obvodového plášťa, zatoplenie obvodového plášťa a strechy, obnova balkúnov, loggii, vámena zábradši, výmena rozvodov vody, kanalizácie.

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Descriptive Data File

- Cadastral database is completely managed digitally
- > Agreement can be made by everyone
- ➤ Two options paper form
 - electronic form

Electronic form users - State authorities
Notaries
Law firms

Paper form users - Citizens of Slovakia

Real estate agencies ½
Banks ½

Scan – Every paper document

- 4 500 000 paper ownership documents
- collection of documents



New project from 2021 to 2036???

Conclusions

- Improving data services
- Quality of data
- Cadastral data

