



National Report of SLOVAKIA

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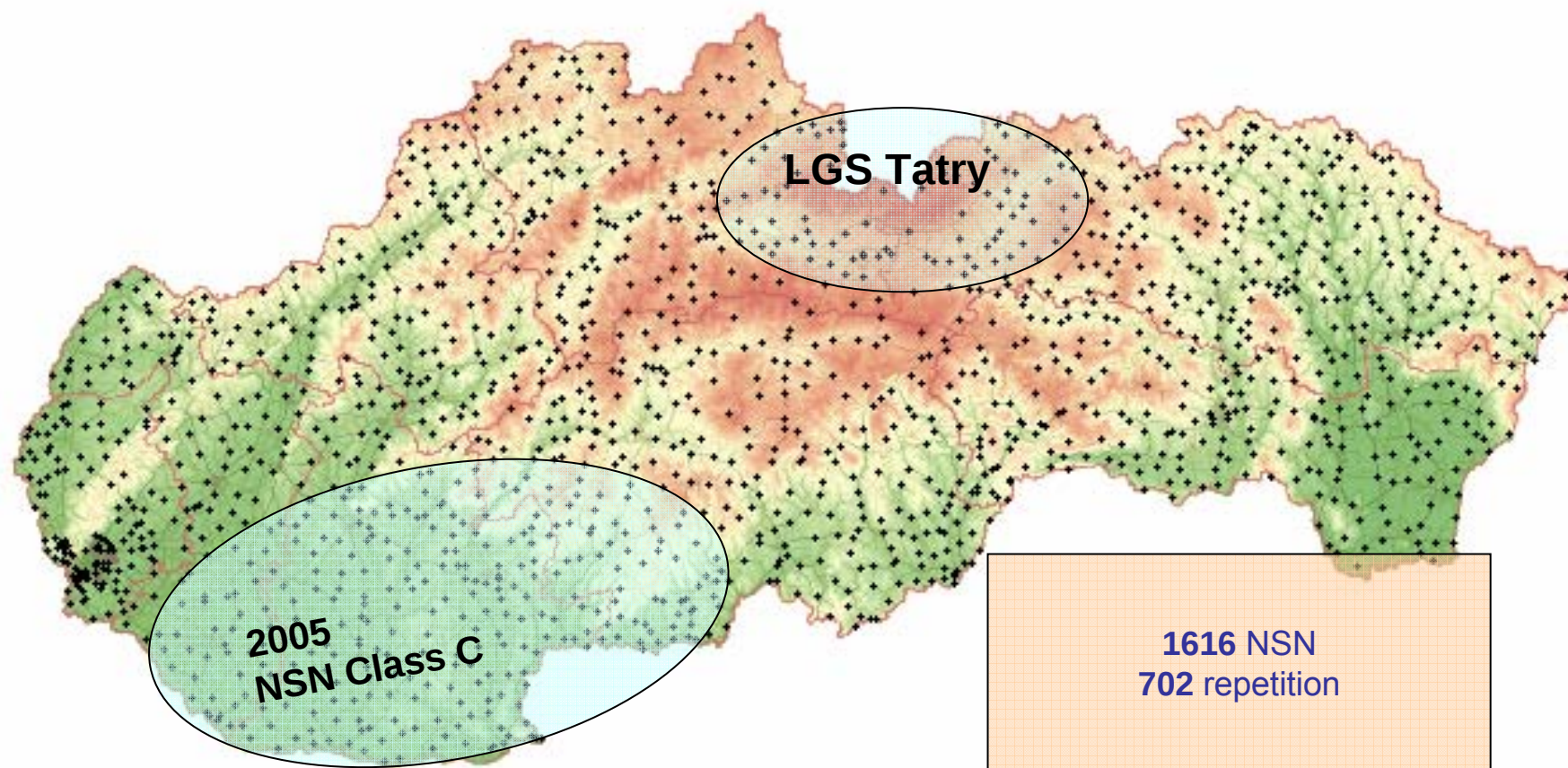
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**2) Slovak University of Technology, Bratislava, Faculty of
Civil Engineering, Department of theoretical Geodesy**

14. – 16. June 2006

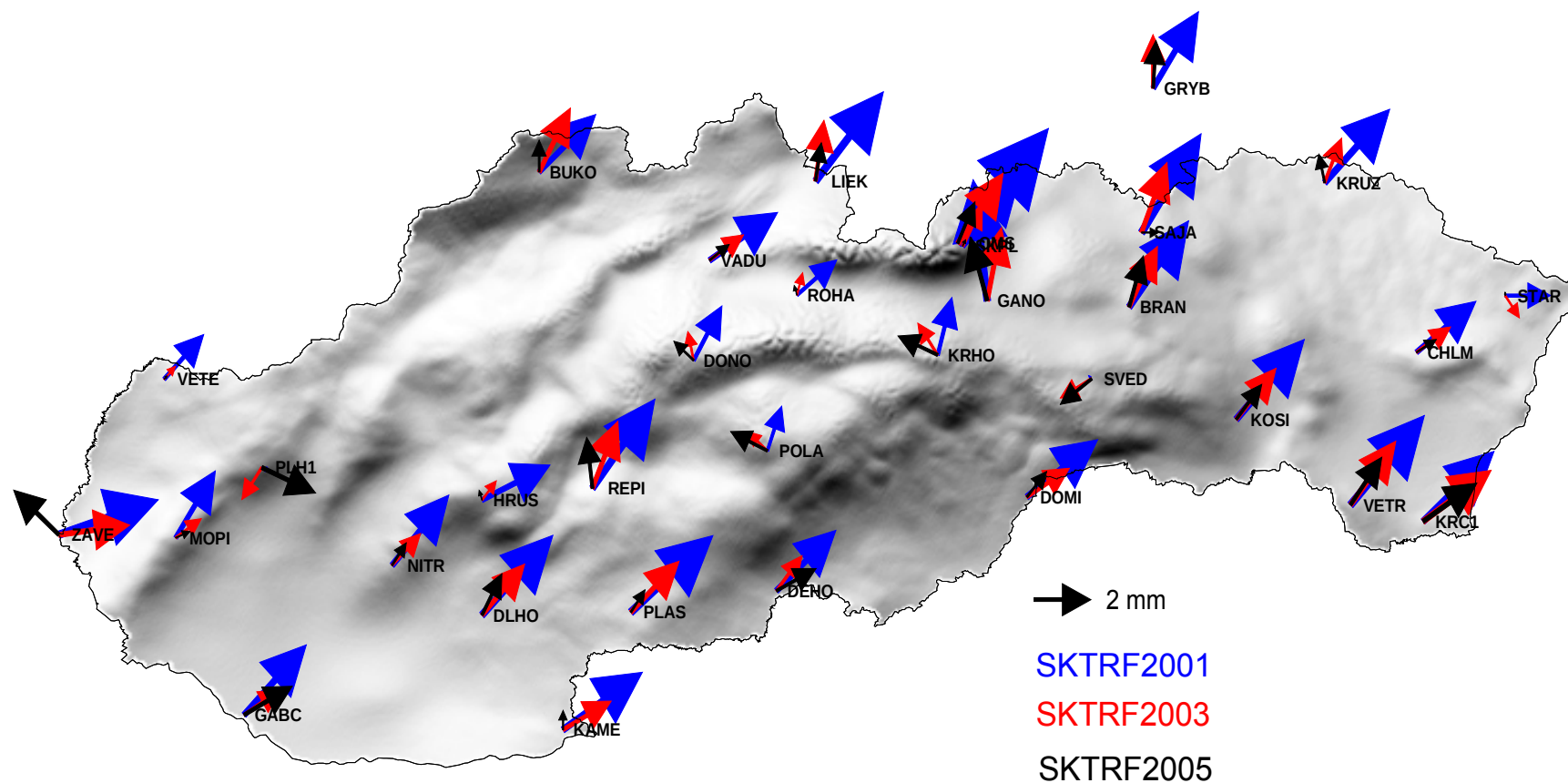


Densification and Verification of the NSN class C



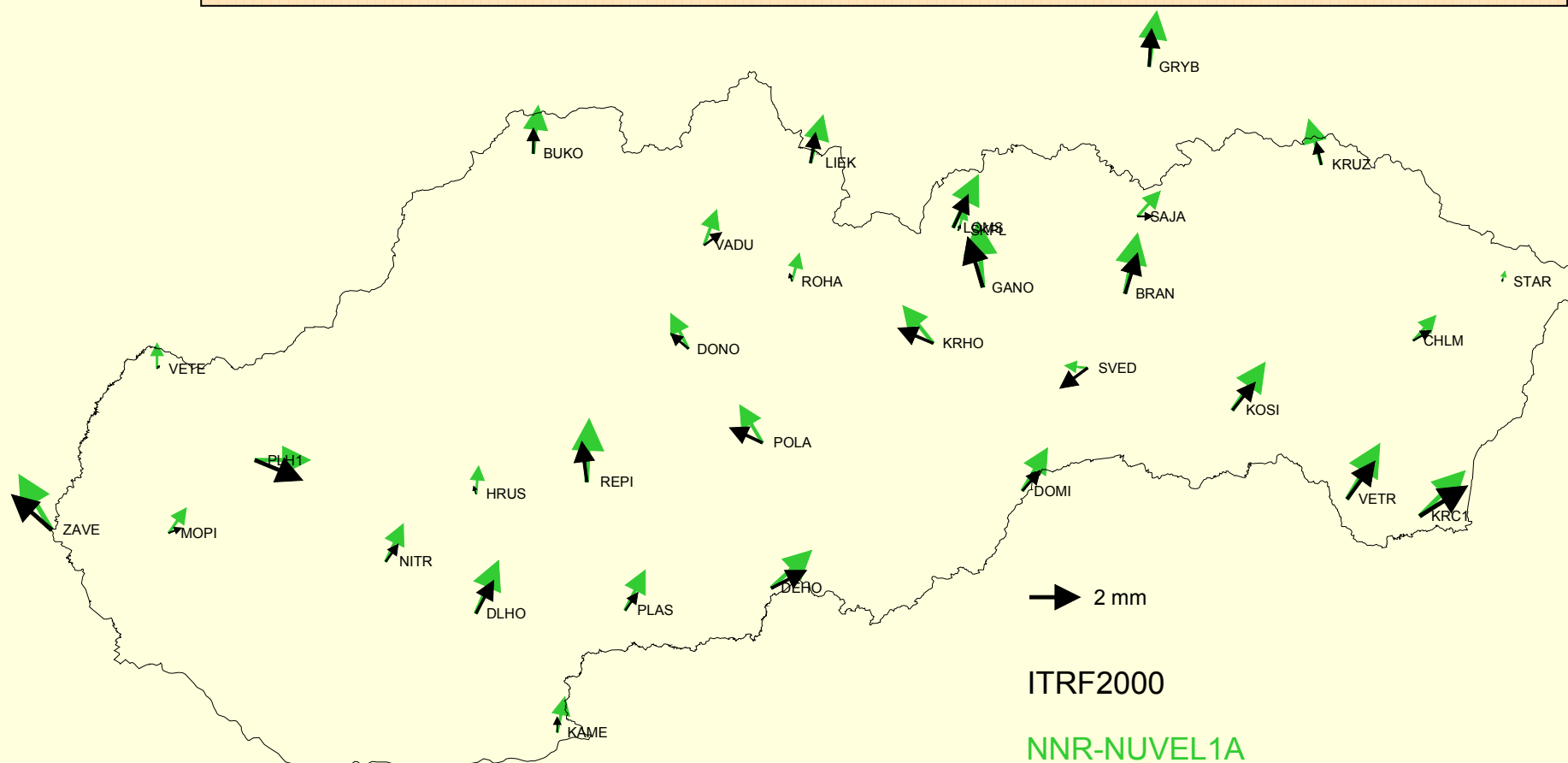


Annual Local Velocity Field on SGRN



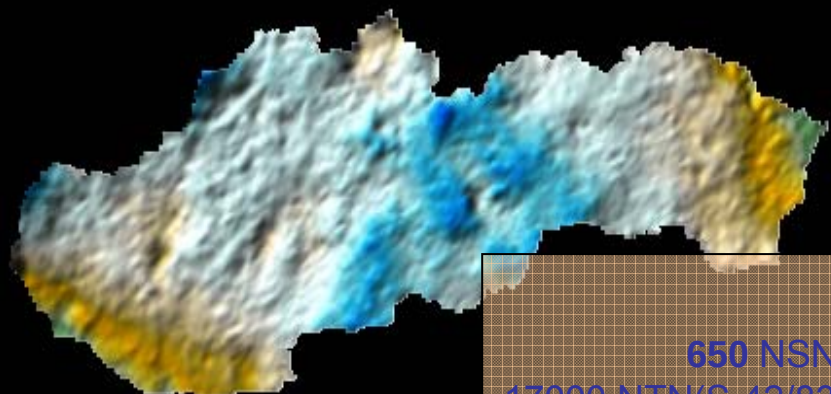


Annual Local Velocity Field related to the NNR-NUVEL1A and ITRF2000





Current Realisations of the DMRZ-JTSK and DVRM-Bpv

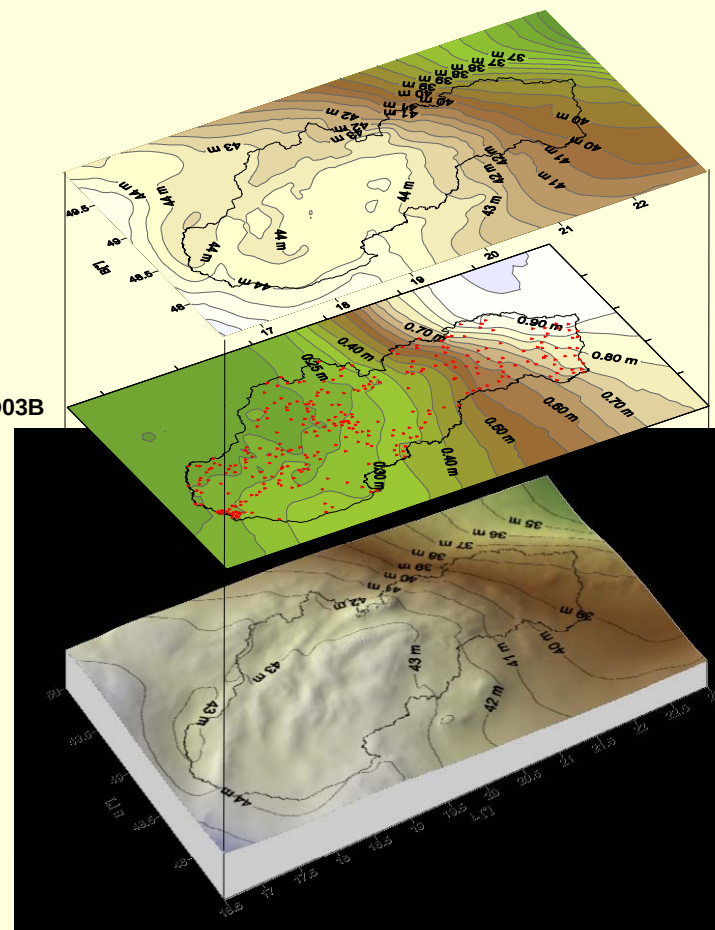


650 NSN
17000 NTN(S-42/83) for DMRZ

GMSQ03B

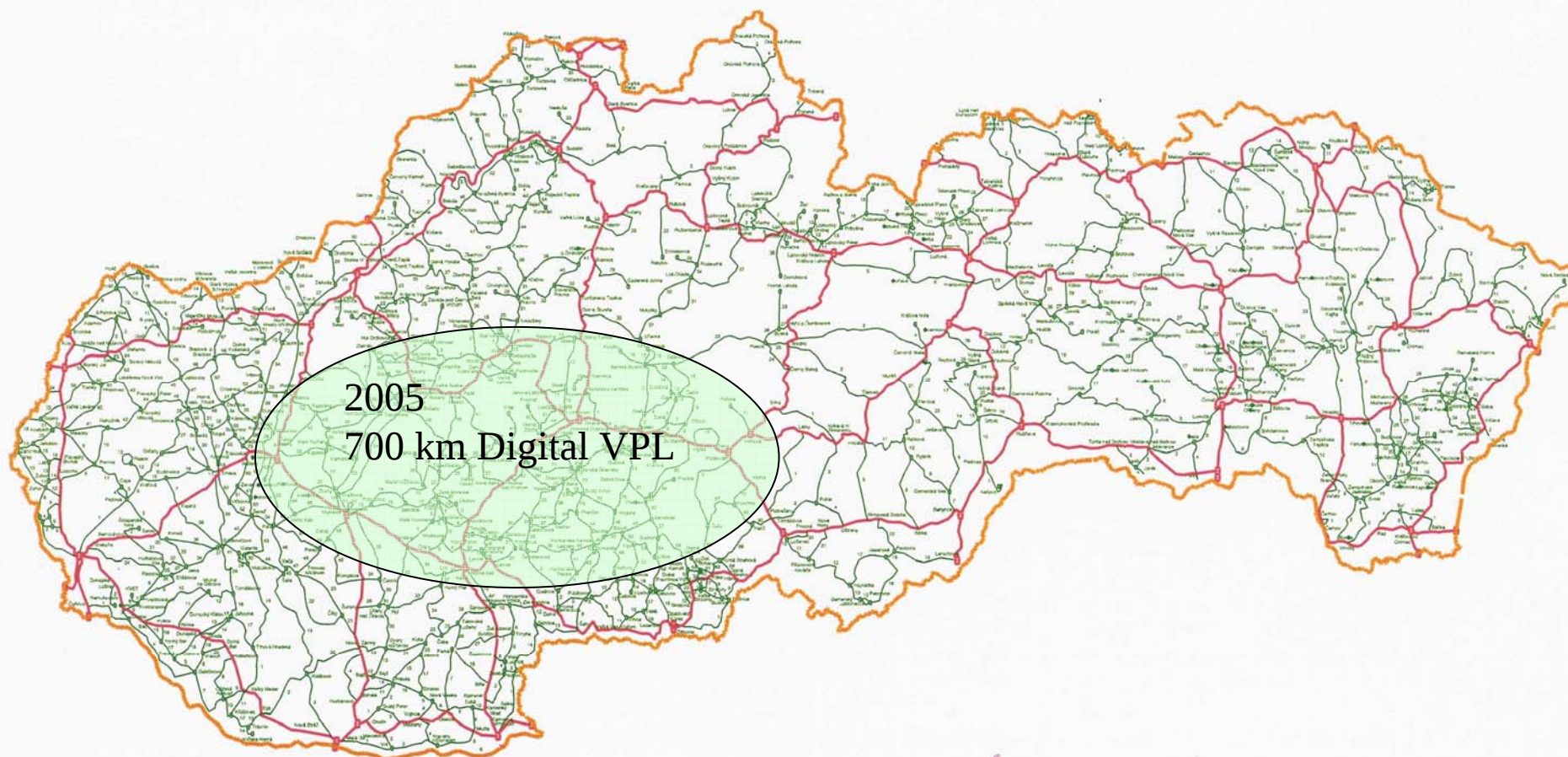
DMRZ-GMSQ03B

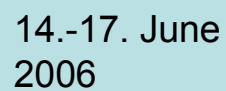
DVRM-Bpv





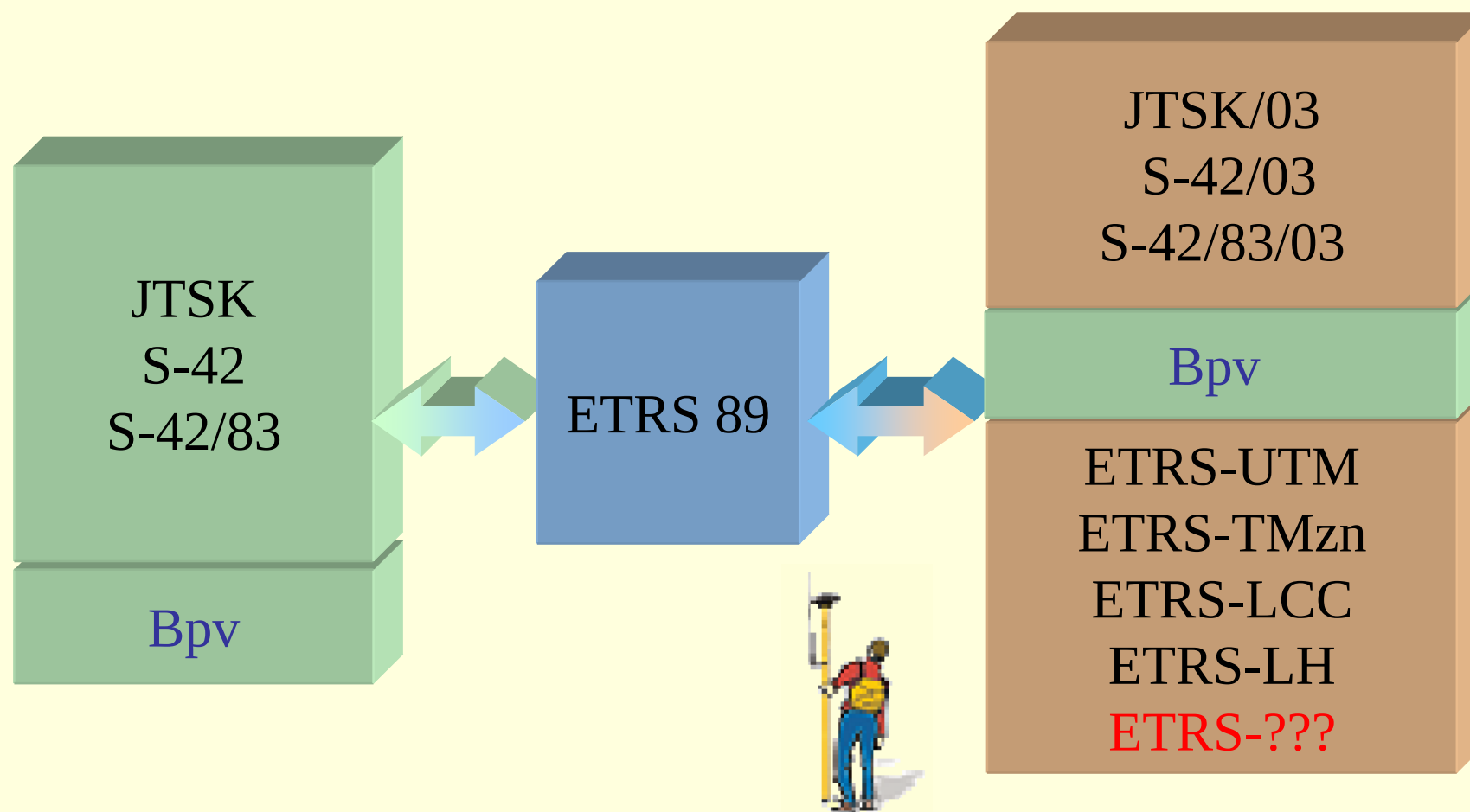
Current Stage of the NLN 1., 2. order





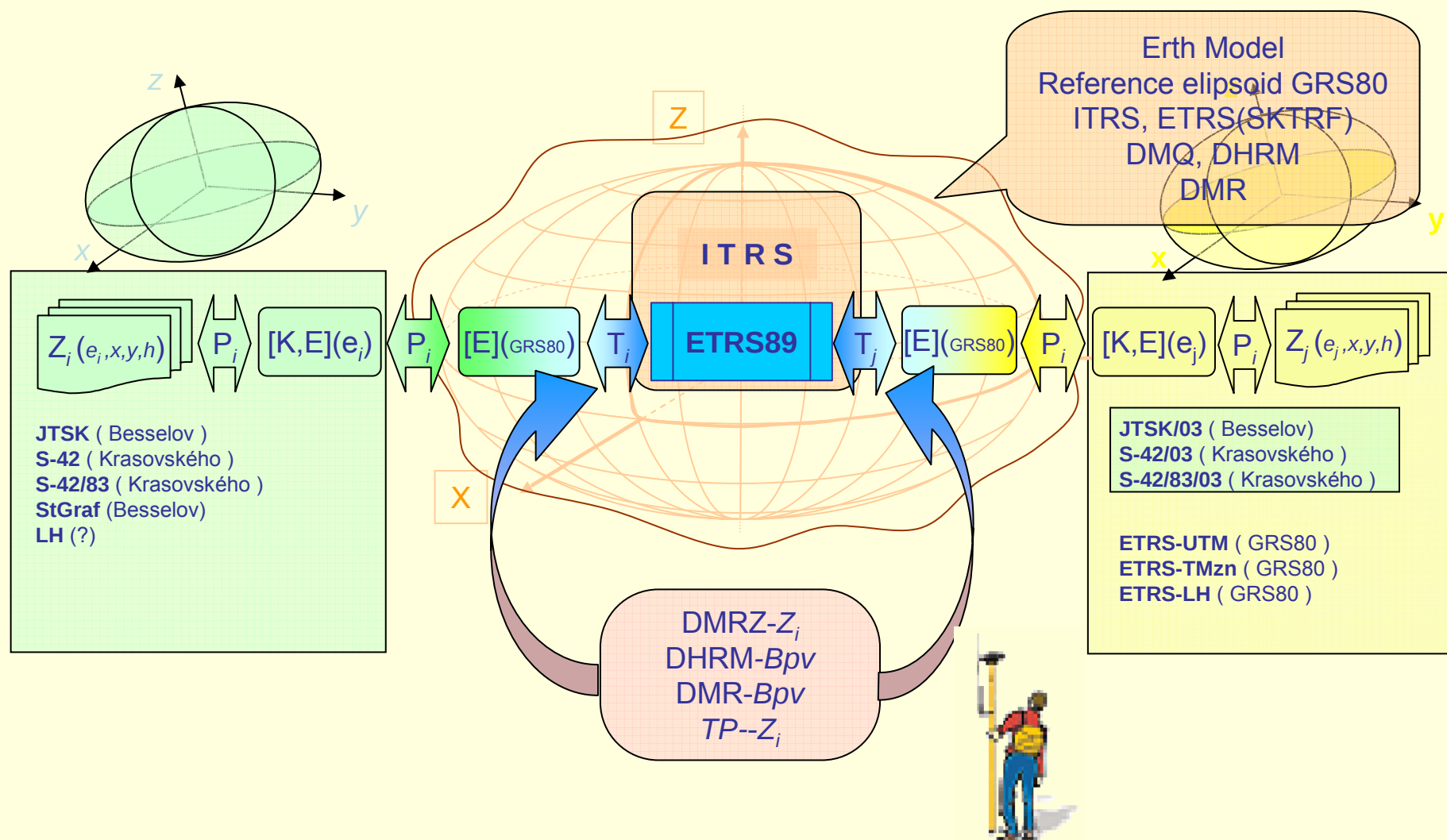


New Realisations of NCRS, NVRS and ETRS89 related CRS and VRS





APLIKATION SCHEMA OF THE MAP PROJECTION TRANSFORMATION



DTplus ver. 2005.1.7, © Maklo, 1995-2004
 Úloha Volby Pomoc

Transformacia JTSK <-> ETRS89

Popis Nastavenie Pomoc

Národný SRS : JTSK a

JTSK (BESSEL), [m]

x / juh
y / západ
h / normálna výška

Geodetické (BESSEL)

B / šírka
L / dĺžka
H / elipsoidická výška

Karteziánske [m]

X
Y
Z

Autorizované modely:

JTSKdoETRS89.TPM
DMRZ-JTSK_B.adm
DMRZ-JTSK_L.adm
DVRM_Bpw.adm

Európsky SRS : ETRS89

JTSK/03 (BE)

h / normálna výška

Geodetické (GRS80)

B / šírka
L / dĺžka
H / elipsoidická výška

Karteziánske [m]

X
Y
Z

Autorizované modely:

JTSKdoETRS89.TPM
DMRZ-JTSK_B.adm
DMRZ-JTSK_L.adm
DVRM_Bpw.adm

Tlač Koniec

Národný súradnicový referenčný systém SRS A

Európsky súradnicový referenčný systém (SRS B) a nové realizácie NSRS

Výškový referenčný systém

Zobrazenie (kartografická projekcia)

Tipy súradníc

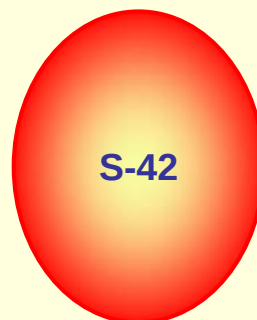




Akceptance Region 3σ

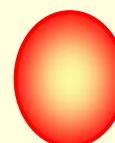


Polynomial
(81 parameters)



→ 250 mm

S-42/83



JTSK/03



S-42/03

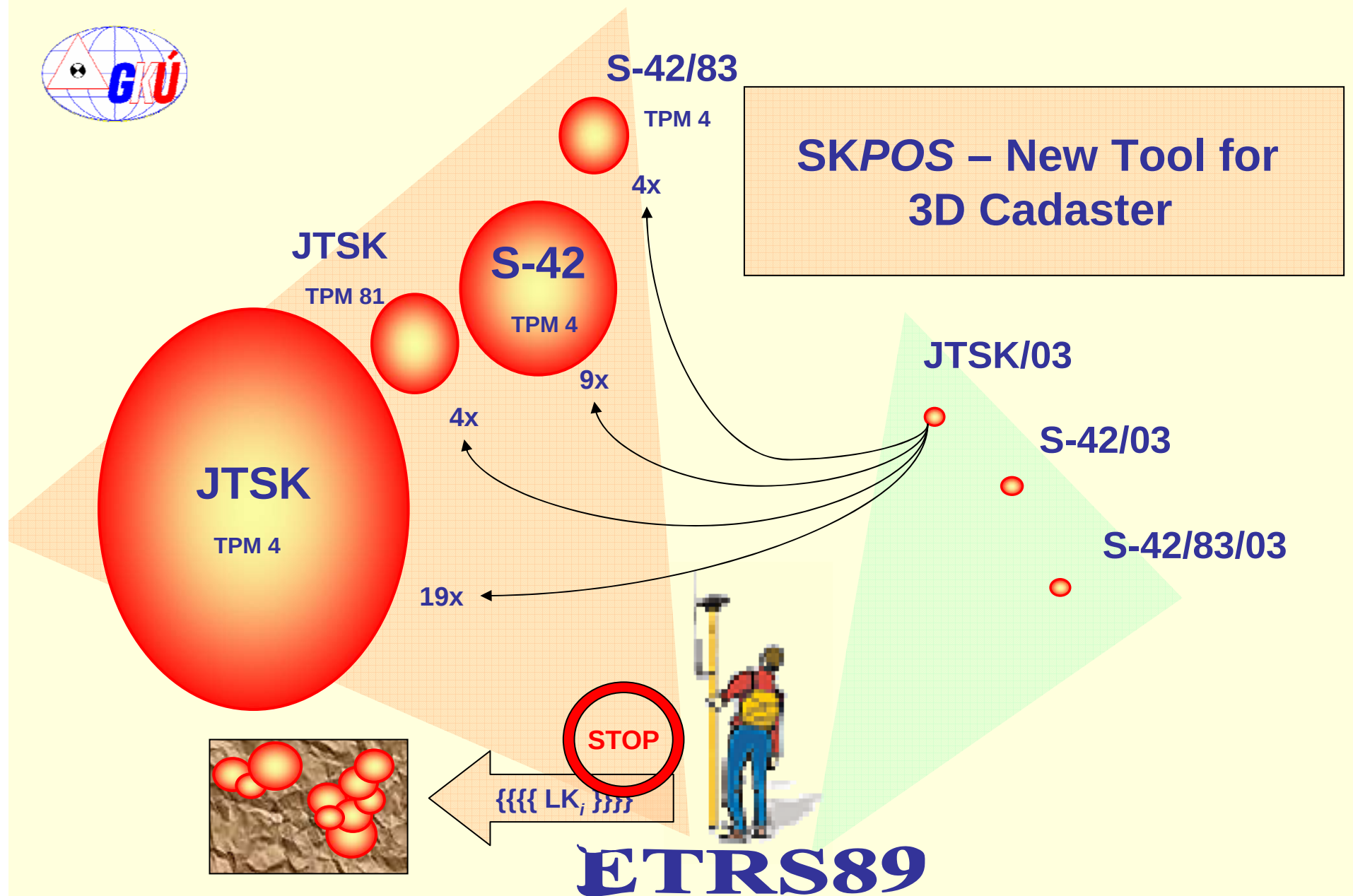


S-42/83/03

→ 100 mm

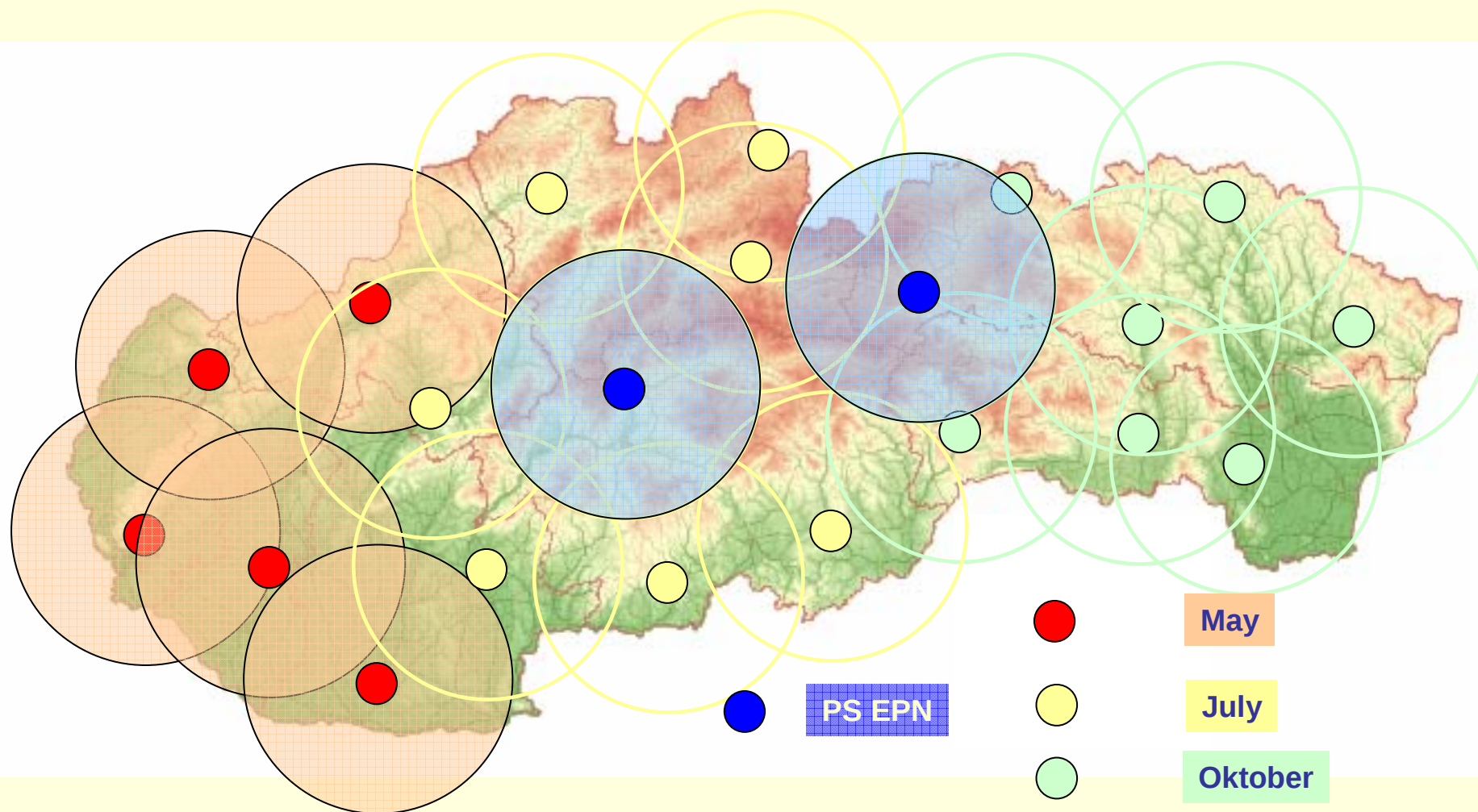
Realisation CRS	Akceptance Region AR	Radius of AR [mm]
JTSK	3σ	951; 657
S-42	3σ	411; 330
S-42/83	3σ	177; 144
JTSK/03	3σ	42; 42
S-42/03	3σ	42; 45
S-42/83/03	3σ	39; 42







Operation of SKPOS's RS in 2006





NSC - Permanent Services for RT, NRT

SKPGS (SKPOS) :

Infrastructure

- RS Trimble Net R5
- Integrity and quality control Trimble R8
- Zephyr Geodetic Model 2 (GPS-L1,L2C,L5, GLONASS-L1,L2)
- Trimble software
- VPN-WAN UGKK SR

Services

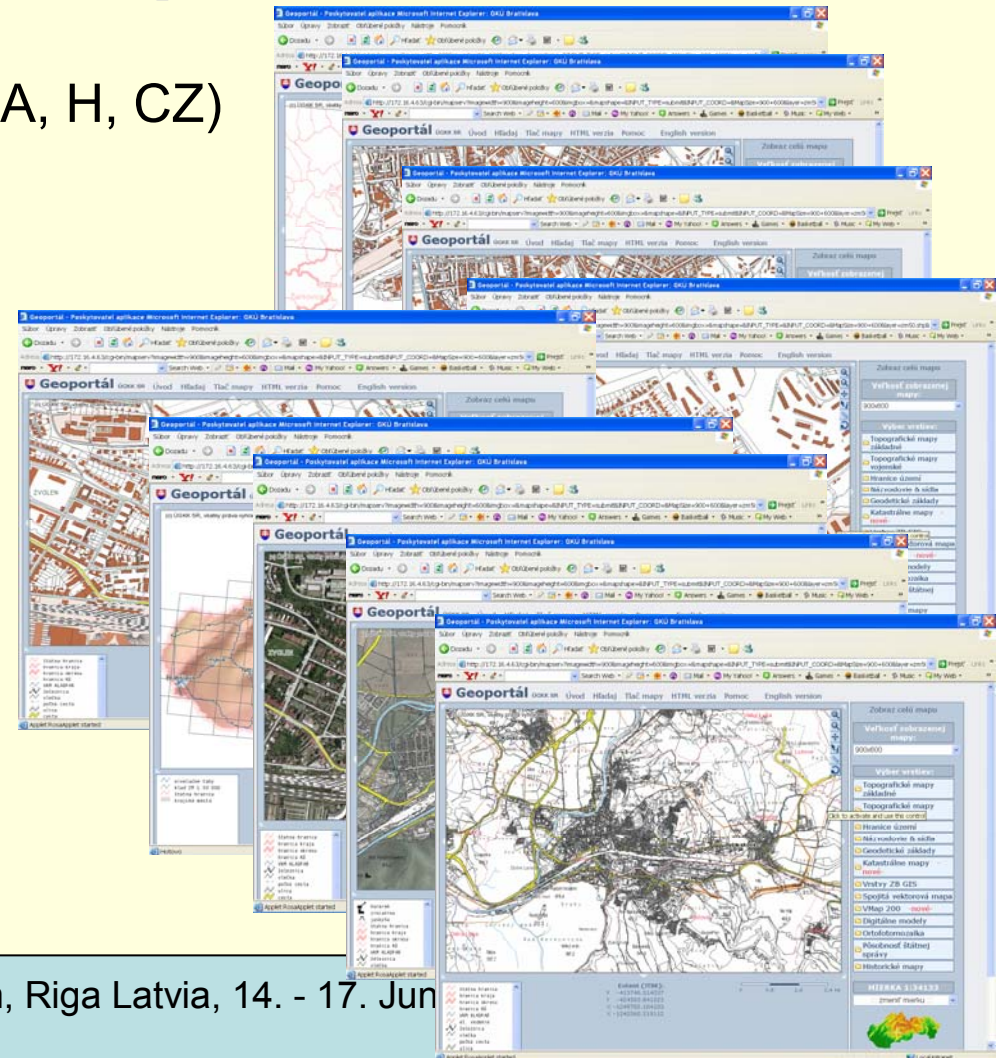
- SPGS-*dm* (DGNSS)
- SPGS-*cm* (RTK FKP, RTK VRS, CMR+)
- SPGS-*mm* (RINEX 2.11 postprocessing)





NSDI - INSPIRE Reference Data and Metadata Position Paper and ETRS89

- Administrative unit (borders UA, H, CZ)
- Parcels
- Buildings
- Addressess (Address points),
- Hydrography
- Land Cover
- Transport (Roads, Rayls)
- Height (Altitude),
- OrtoFoto
- Geographic Names.



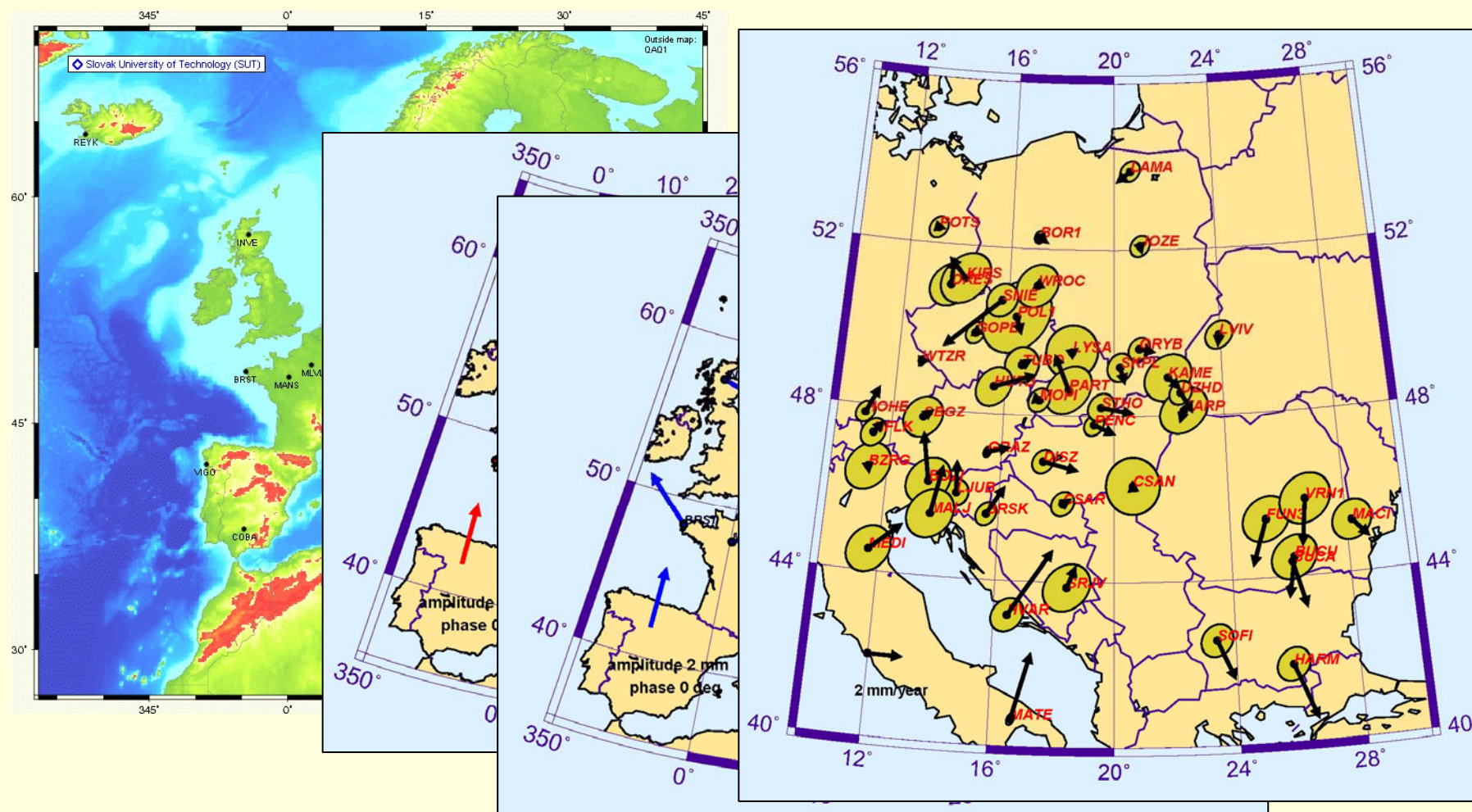
14.-17. June
2006

EUREF Symposium, Riga Latvia, 14. - 17. Jun



Activities of EPN Local Analysis Center at SUT Bratislava

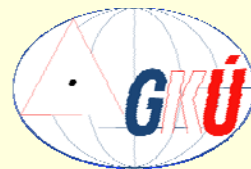
Geodynamics of Central Europe region





Thank You

www.geoportal.sk
www.gku.sk



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