

NATIONAL REPORT

EUREF RELATED ACTIVITIES OF HUNGARY 2009-2010

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FÖMI Satellite Geodetic Observatory
Penc, Hungary

EUREF/EPN CONTRIBUTION

- 4 EPN stations (PENC, OROS, BUTE, SPRN)
SPRN - GALILEO ready
PENC - environmental problems
- EPN LAC, EPN repro1
- EPN Time Series Analysis Coordinator
maintenance of EPNCB web pages
- EPN cumulative solution (15 weeks update)
maintenance of the ETRS89 at the EPN sites
- TWG activities

EUREF/EPN CONTRIBUTION

SGO Local Analysis Centre

- ROUTINE GNSS ANALYSIS OF 35 EPN STATIONS
- CONTRIBUTION TO THE EPN RAPID ANALYSIS (DAILY SINEX SUBMISSION)
- ROUTINE GNSS ANALYSIS OF ~80 GNSSNET.HU AND EPN STATIONS
- DAILY RAPID CUMULATIVE SOLUTION (BERNESE+CATREF)
- EPN REPRO1: COMPLETE RE-ANALYSIS

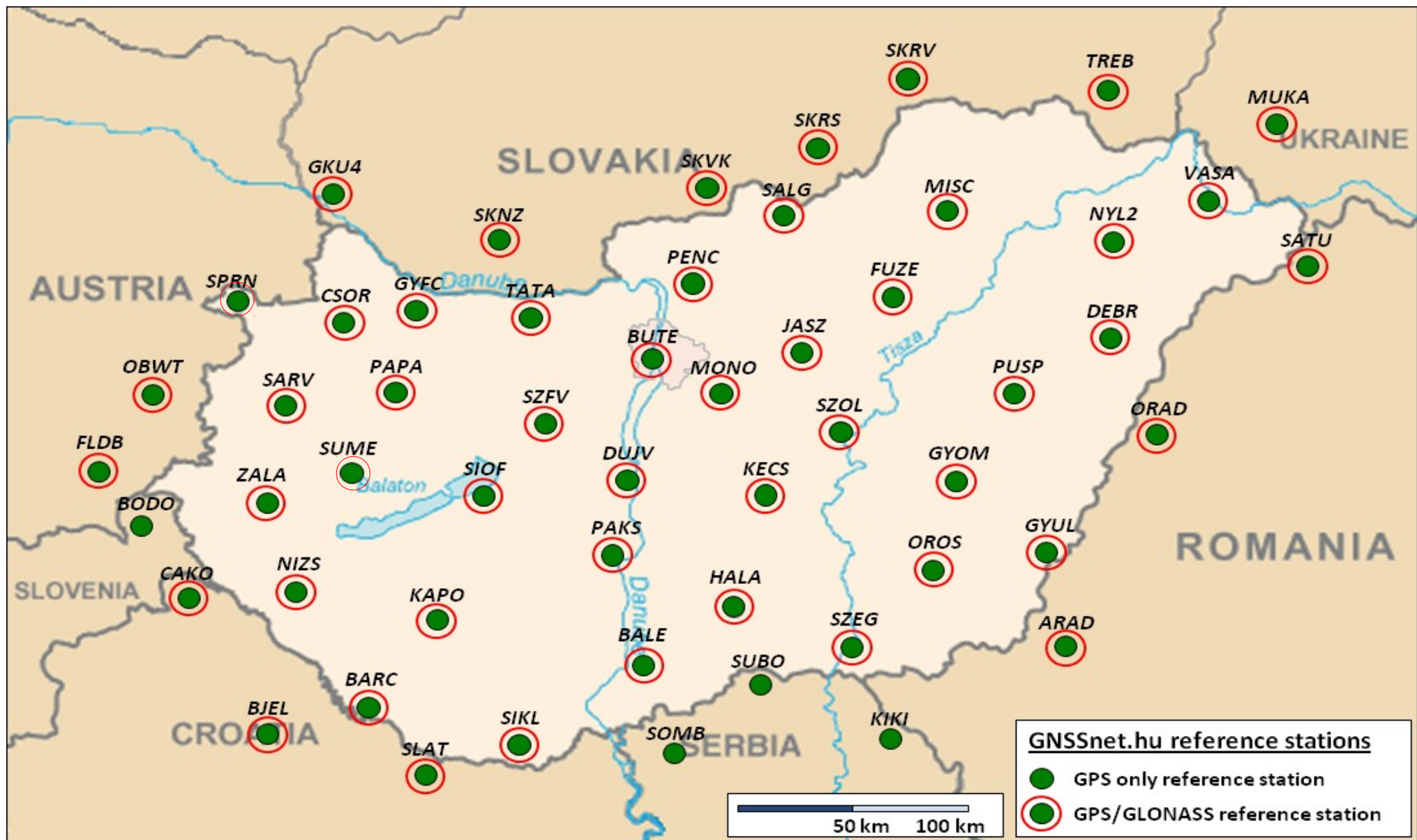
GNSS NETWORK DEVELOPMENT

RTK NETWORK - GNSSNET.HU

- 35 STATIONS (all (exc.BUTE) Leica GNSS, 5 Galileo-ready with **INDIVIDUALLY CALIBRATED ABSOLUTE PCV**) + 19 STATIONS FROM NEIGHBORING COUNTRIES
- NETWORKED RTK SERVICE / GEO++ GNSMART SOFTWARE - **GNSS VENDOR-INDEPENDENT SERVICE**
- PART OF **EUPOS** COOPERATION
(ISC, ESDB, RTCM committee)
- LEGAL PROTECTION (DECREE 47/2010)

GNSS NETWORK DEVELOPMENT

RTK network - GNSSNET.HU



INTEGRATED GEODETIC NETWORK (INGA) DEVELOPMENT

- INTEGRATED NETWORK (GNSS, LEVELING, GRAVIMETRY, PSI) : TOGETHER WITH GNSSnet.HU THE INTEGRATED NETWORK WILL BE THE MAIN BEARER OF THE GEODETIC REFERENCE IN HUNGARY
- 2007 - 20??: RE-LEVELING OF THE 1ST ORDER HEIGHT NETWORK (EOMA) + PARALLEL GNSS CAMPAIGNS
- STOPPED in 2009 - MISSING FINANCIAL BACKGROUND - FOCUS ON THE OFFICE WORK
- STUDIES OF THE GEODETIC APPLICATIONS OF THE InSAR TECHNOLOGY
- RE-ADJUSTMENT OF THE EARLIER LEVELLING DATA