EUREF RELATED ACTIVITIES OF HUNGARY
2009-2010

Kenyeres A - Horváth T - Virág G

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

GNSSnet.hu reference stations
- GPS only reference station
- GPS/GLONASS reference station
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