



EUREF 2014 Symposium  
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Vilnius, Lithuania



# National report of Croatia 2014

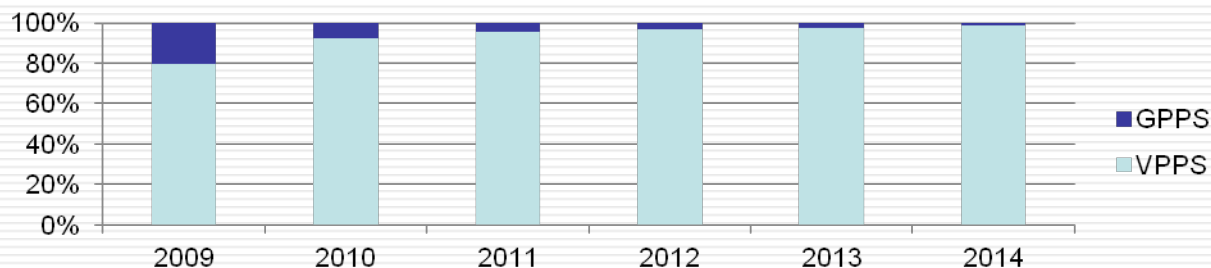
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# CROPOS / EPN

- **Real time services compared to post processing in the last year: 99% (online transformation services 22%, without transformation 77%) vs 1%**



- ***New regulations on performance of fundamental geodetic works***  
*- advancement in technology / new services in CROPOS*
- IGS OSJE > dislocate to Nova Gradiška > new CROPOS stations (NGRD, HVAR)  
> network corrections - after final coordinates calculation
- from 2011 transmittion of RINEX obs. for **CAKO, PORE, POZE, ZADA, DUB2** data  
to the EPN data centres > 95% data quality (15° el.mask), 100% hourly availability

# CROPOS – border areas / data exchange

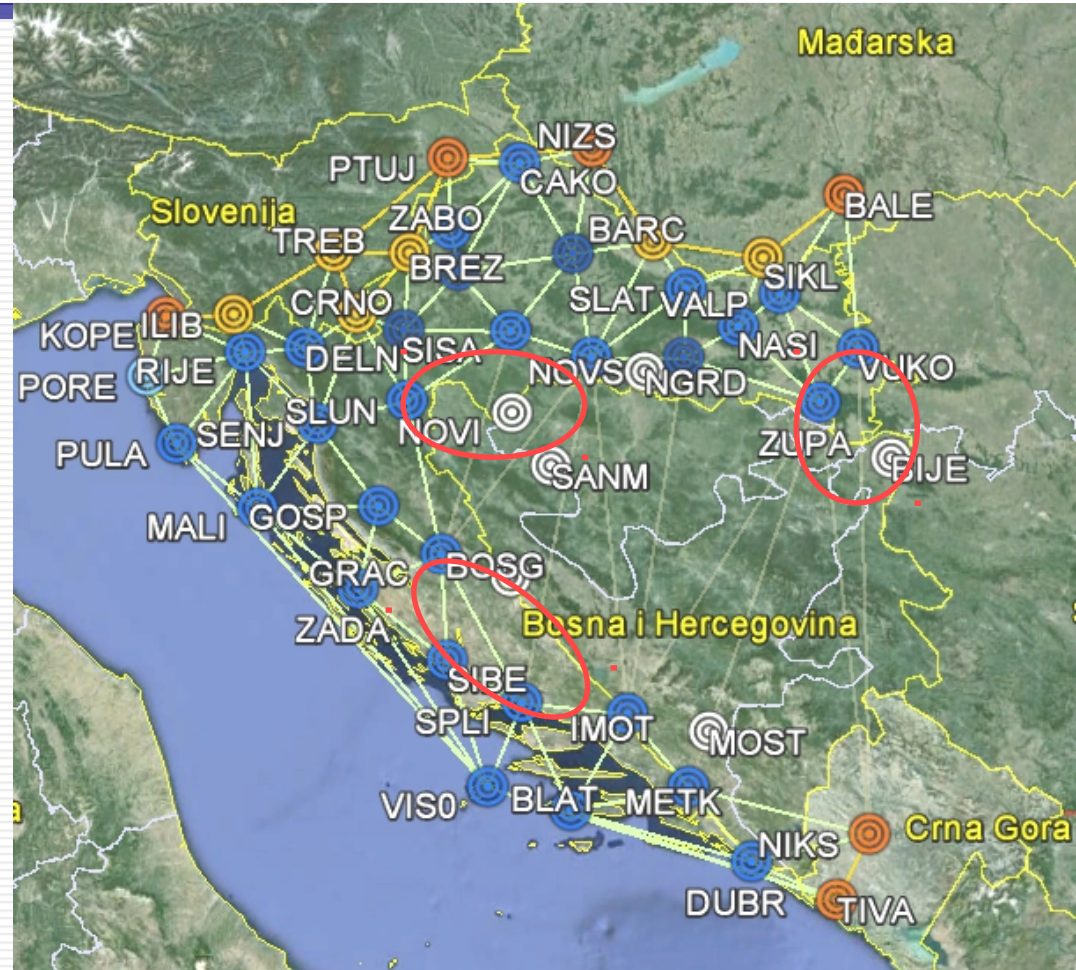
Established GNSS data exchange

- FBIHPOS (BOSG, MOST, SANM)
- SRPOS (NOVI, BIJE)

➤ **increased reliability and precision of VRS**

➤ Test measurements

- I95 and IRIM, network status
- Baseline length to closest ref st. > 50 km
- Decrease precision of heights (10-15 cm) > multiple sessions or relative static measurements



# CROPOS ref.frame / CRODYN 2013

## □ CROPOS stability monitoring

- Combination of daily solutions adjustment
- 2.5 mm abs. differences in period 4 years

## □ CRODYN 2013 - consistency control of permanent points + geodynamics

> 2 x 24h sessions

- 20 reference points (CRO) + Slovenia / BiH

## □ Geoid points densification project

- relative static measurements, precise levelling
- GEOID unulation (elipsoidal + norm/ortho .height) > GEOID model



# Gravimetric network

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## ☐ RELATIVE GRAVIMETRIC MEASUREMENT

2007 – 2013 > **179 gravimetric points of II.order**

2013 > phase IX (South Dalmatia)

2014 > phase X (Adriatic islands)

2014: 17 gravimetric points

=26 gravimetric lines

## ☐ RENEWAL OF ABSOLUTE GRAVIMETRIC NETWORK (+ ECGN)

- *Revision and establishment of new points (+ eccentric)*
- *Location examination - relative gravimetric measurements*
- *Stabilization, GNSS, levelling measurements*
- *> absolute gravimetric reobservation*

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□ Thank you for your attention