

NATIONAL REPORT OF CROATIA

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State Geodetic Administration

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administration

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EUREF 2010, June 2-

NATIONAL REPORT OF CROATIA

CROPOS (CROatian POsitioning System)

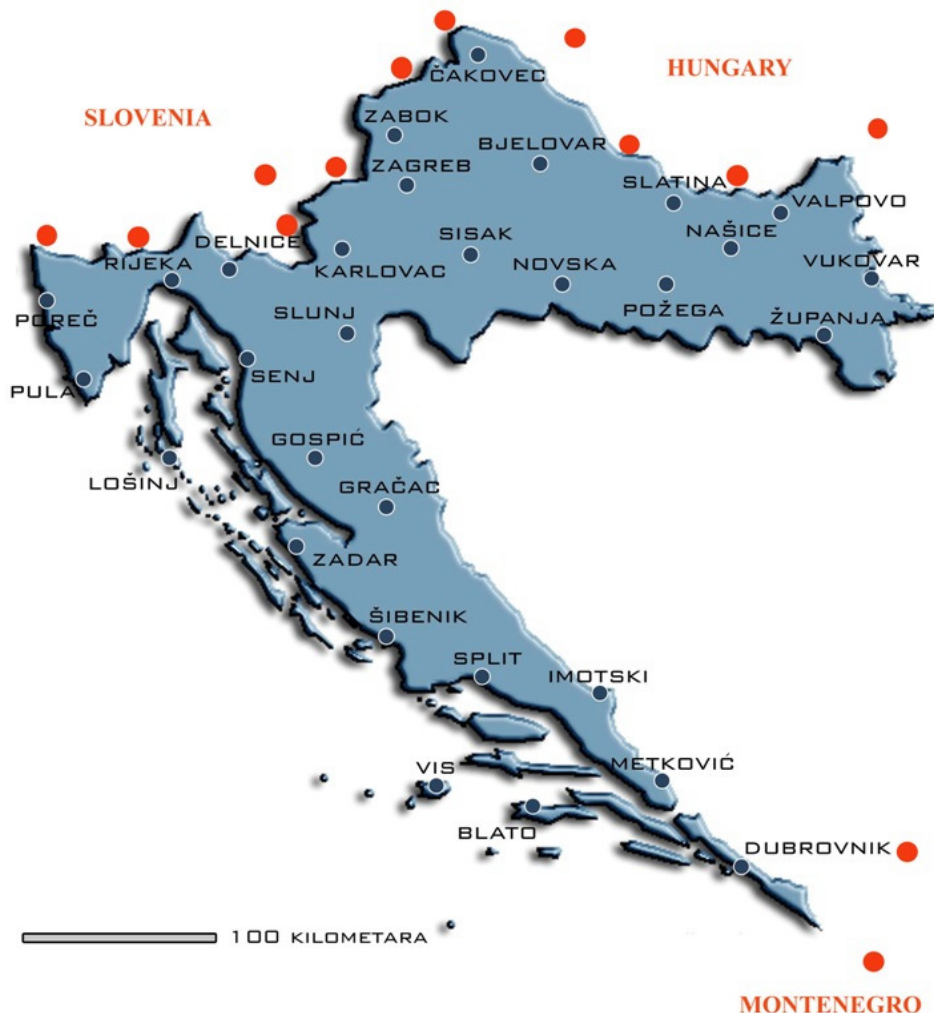
used in geodetic and cadastral tasks

new reference system HTRS96
(ETRS89)

43 reference GNSS stations in
network solution:

30 CROPOS + data exchange with
Hungary, Slovenia and Montenegro

www.cropos.hr



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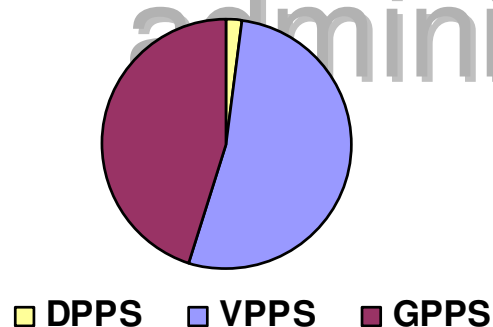
CROPOS (CROatian POsitioning System)

290 companies (714 licences for differ services)

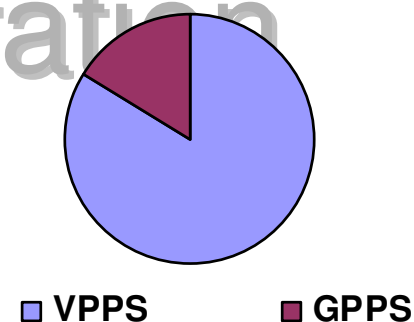
3 charged services – flat (annual) or by minute:

DPPS – code network
VPPS – phase network
GPPS – post-processing

number of users



service usage



- VRS method of network corrections
- RTCM 2.3 – 3.1 message
(+ RTCM 3.1 transformation message in the near future)



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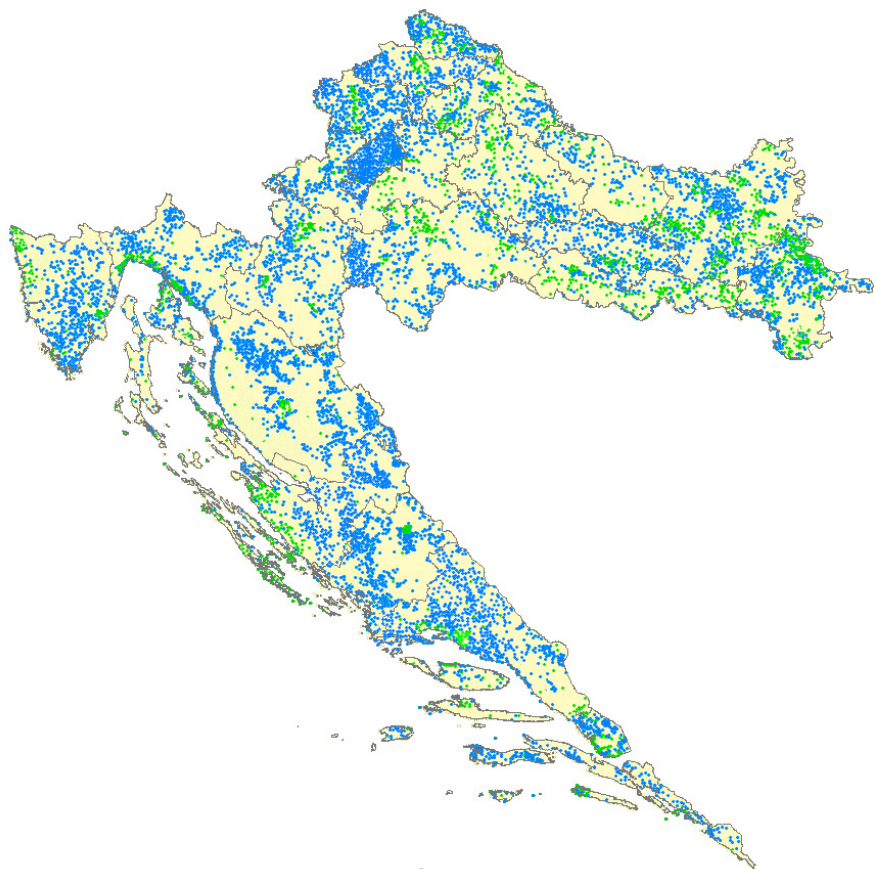
Unique transformation model T7D

March - July 2009 SGA + cadastral
offices: CROPOS measurements
on trigonometric points 1. – 4. order

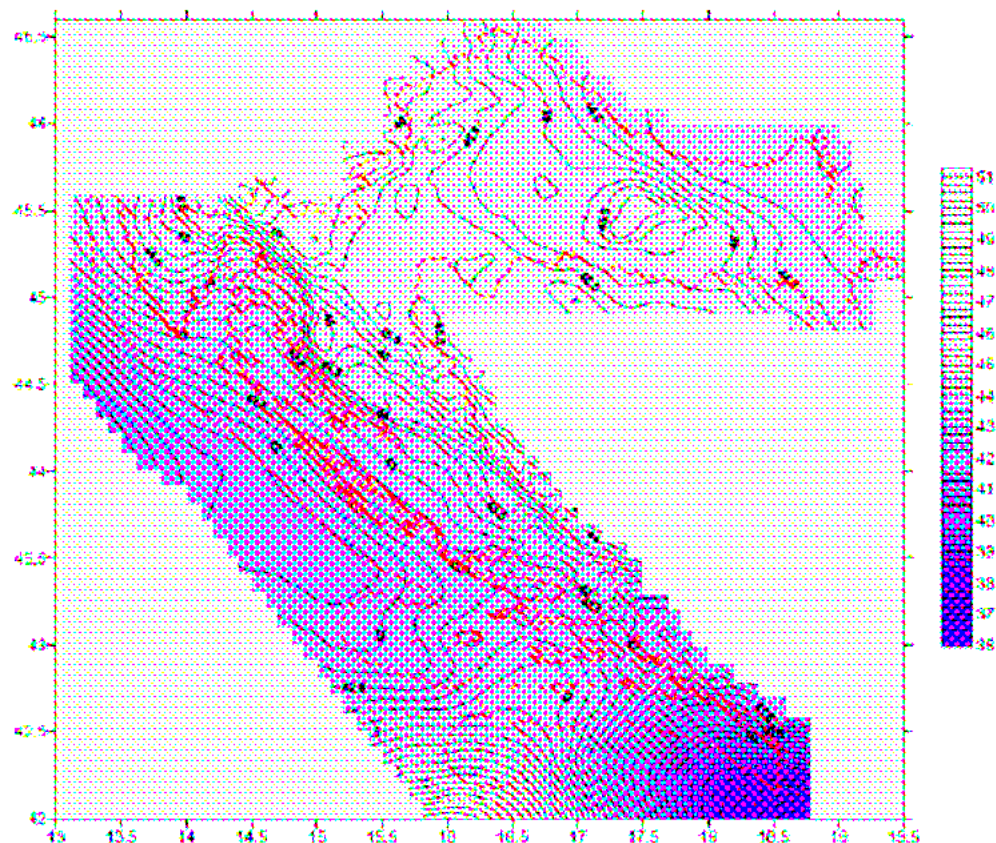
5200 identical points for calculation of
new grid transformation model

T7D: Helmert 7 parameter + GRID of
distortions

Integration in CROPOS:
RTCM 3.1. message



New Croatian Geoid Model HRG2009



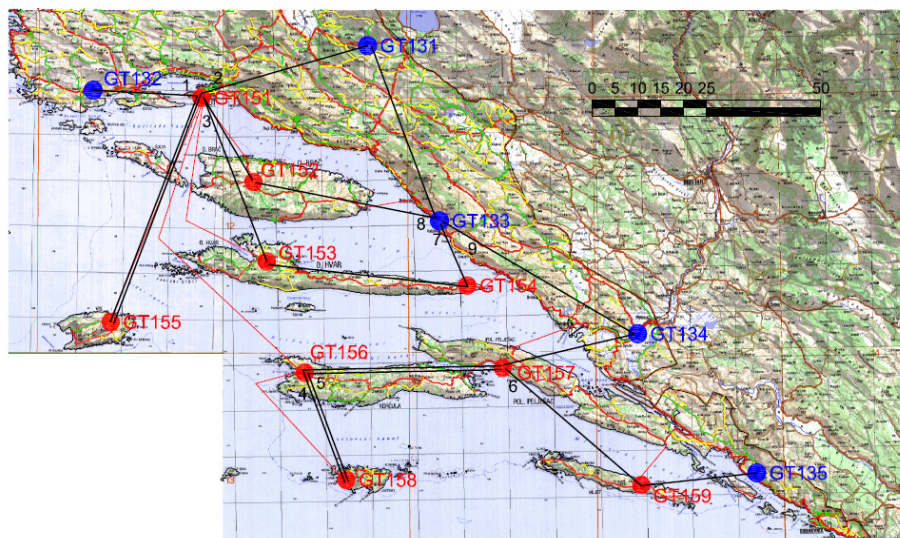
Geoid surface:

accuracy: ± 0.03 m

**- 495 GNSS/levelling points
for geoid undulations...**

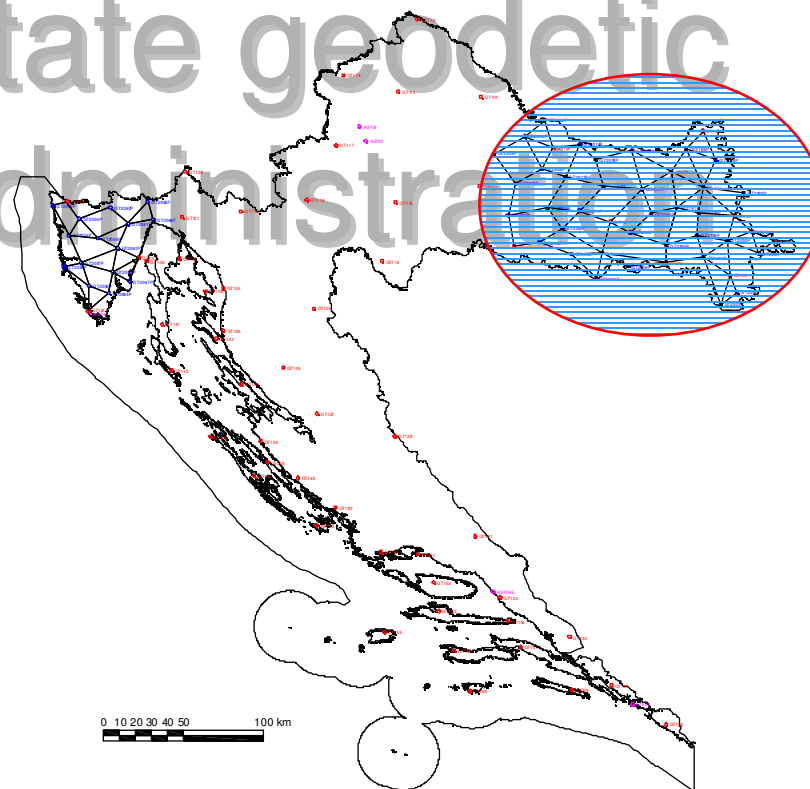
**External accuracy: ± 0.04 m
- 59 GNSS/levelling control
points**

Gravity network of I. and II. order



Croatian geodetic institute
Extension of I. order gravity
network on south Croatian
islands
- 14 gravity points

35 new established
gravimetric points



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Thank you for your attention!

work on south Croatian islands

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