





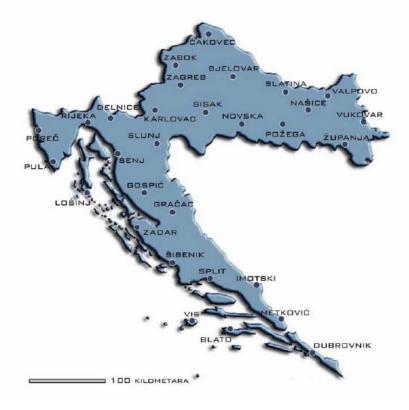
CROPOS – CROatian POsitioning System

- CROPOS launched on 9th of December 2008. in official usage.
 - enables practical usage of new official Croatian geodetic reference system HTRS96

accuracy of 2 cm positional and 4 cm vertical in real time

- over 200 companies 550 licences
- State survey, real estate cadastre, engineering geodesy
- GIS, navigation

LOSINJ



EUREF Symposium 2009, Florence, May 27 – 30

DGU

CROPOS – CROatian POsitioning System

State geodetic administration - establishing the CROPOS system in 2008:

- Instalation of equipment and networking the system September 2008.
- Testing the system operation in real field conditions November/December 2008.
- Since Decembre 2008. CROPOS is fully operational.
- Official reference GNSS station coordinates calculated in ITRF2005, e = 2008.83; transformed in ETRF00 (R05) system – ETRS89.
 - **ETRS89 system is official system for GNSS measurements with CROPOS.**
- CROPOS system testing measurements on GNSS reference network of 1st and 2nd order

DGU

CROPOS – CROatian POsitioning System

Technical Assistance for Integrated Land Administration System in Croatia:
 - informing the public and users on CROPOS capabilities

SGA elaborate procedures and regulations for practical usage of CROPOS

- 1st CROPOS conference Zagreb 8.- 9.June '09
- contracts for reference station real-time GNSS data exchange with Slovenia, Hungary and Montenegro.

More information on CROPOS: www.cropos.hr

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POŽEGA

GNSS measurements of trigonometric points using CROPOS

- over 3000 trigonometric points on the entire territory of Croatia

ŽUPANJA

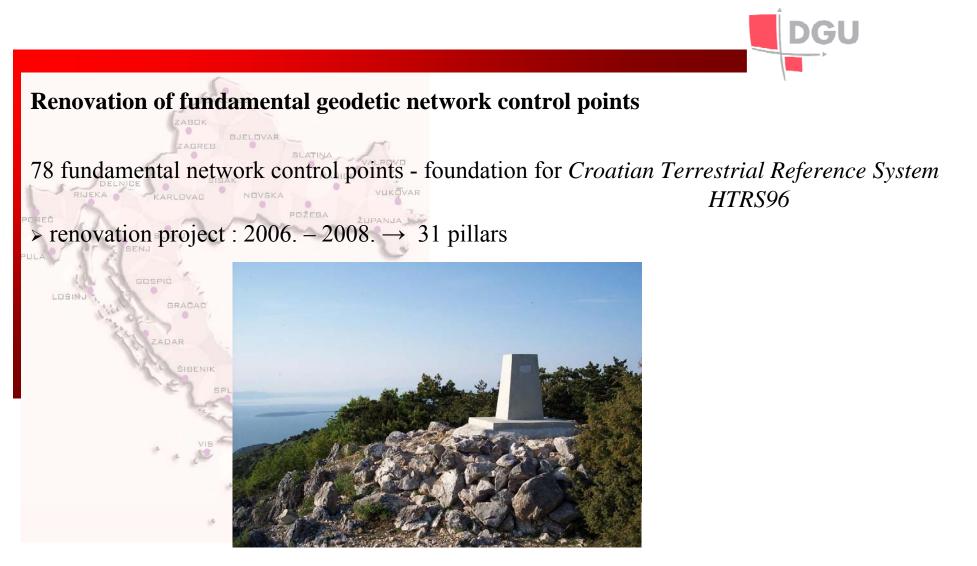
New grid based transformation model

Croatian State Coordinate System HDKS ↔ Croatian Terrestrial Reference System HTRS96

- uniform, realiable and simple transformation between inherited local and new official geocentric reference system available to all users



LOSIN.



SGA plan to renovate new 5 pillars in 2009.



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Extension of 1st order gravity network on middle Croatian islands

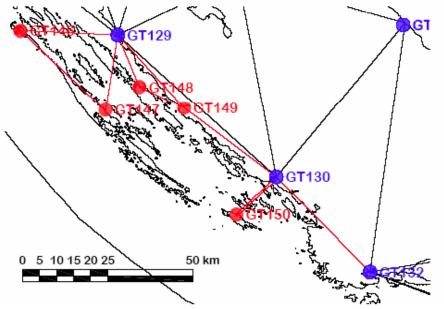
Croatian geodetic institute accomplished measurements of gravity network points on middle Croatian islands in 2008:

- 3 existing gravity points of 1st order

- 5 new established gravity points of 1st order

BJELOVAR

GNSS measurements with CROPOS system
relative gravity measurements



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Further activities: Extension on south Croatian islands

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New Croatian Geoid Model HRG2009

BJELOVAR

present official Croatian geoid model is HRG2000

SLATINA

GNSS measurements with CROPOS and levelling measurements

- over 500 new established geodetic points in raster app. 10x10 km

ŽUPANJA

- geoid undulation on GNSS/levelling points
- gravity measured points (Gravity network points of 0, 1, 2 order and EUVN network points)
- determination of new Croatian Geoid Model HRG2009

Information on gravimetry works: www.cgi.hr



