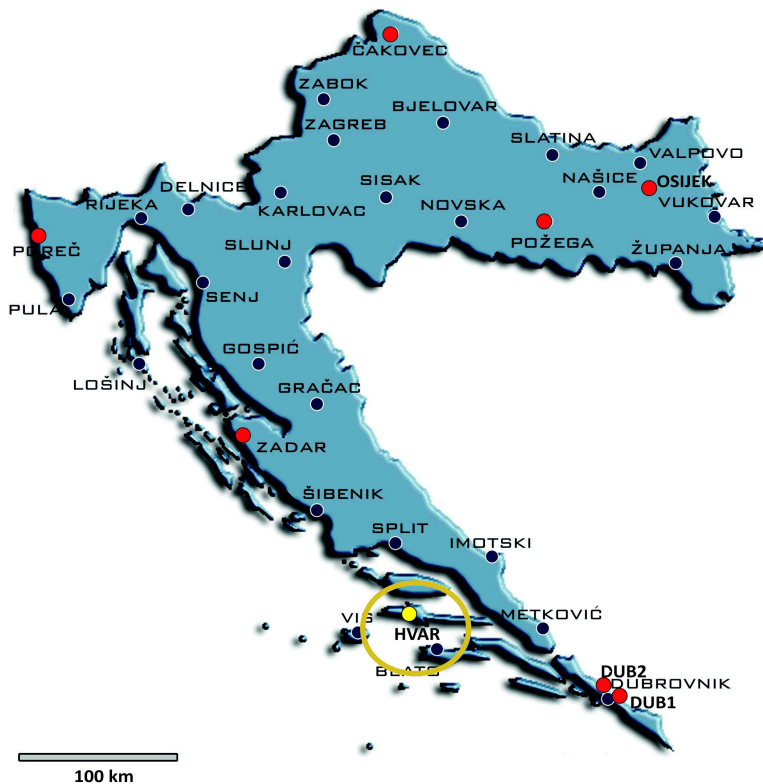# National Report of Croatia

Margareta Premužić
Marijan Marjanović

Proposed EPN stations

☐ From the end of 2011 transmition of RINEX observation data to the EPN data centres

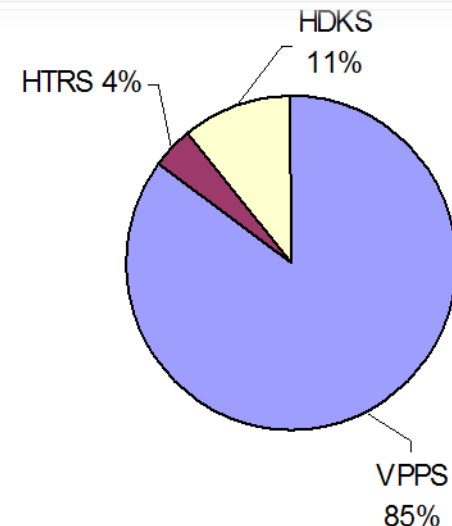| Proposed EPN stations	Availability (%)			
	Daily		Hourly	
	BKG	OLG	BKG	OLG
CAKO	100	100	100	97
DUB2	100	100	100	97
PORE	100	100	100	98
POZE	86	86	86	82
ZADA	100	100	99	99

☐ IGS: OSJ + DUBR (>DUB2)

☐ New station to propose: Hvar
(in this year)

New CROPOS transformation service HDKS

☐ HTRS96 + **new HDKS (T7D)** transformation service
from July 18th 2011

Accuracy of T7D: ±0.10 m for the whole state area

☐ Test measurements on 1035 control points
on-line vs post-processing transformation:
> horizontal accuracy: ± 1.6 cm
> vertical accuracy: ± 0.9 cm

☐ Web T7D transformation service

☐ Different CROPOS sevices:
> 446 companies
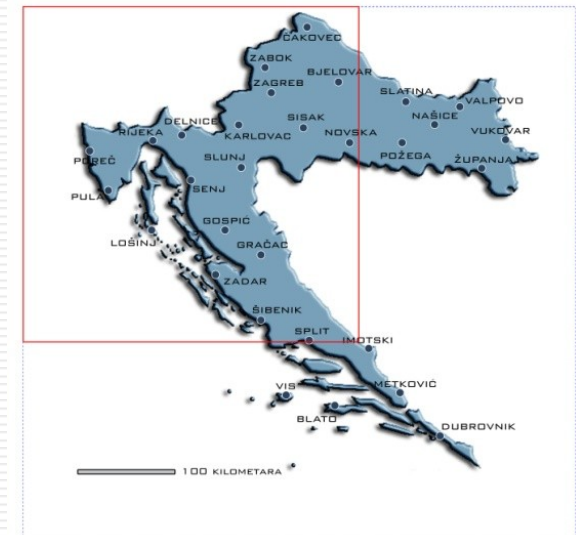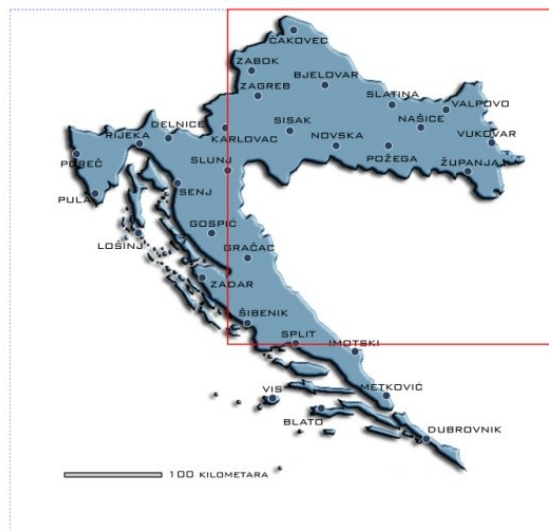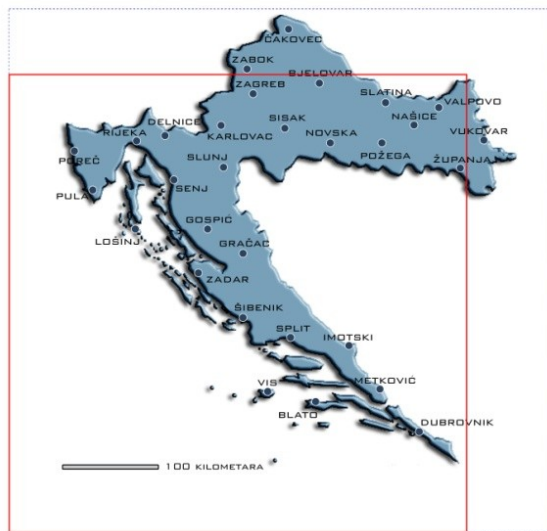> 1147 user licenses

HDKS 11%

HTRS 4%

VPPS 85%

usage of CROPOS services

New CROPOS transformation service HDKS

☐ Three CROPOS services > SOUTH, NORTH-EAST, NORTH-WEST

Implementation of GRID model in rover: 1000 x 1000
through the RTCM 3.1 transformation message

Gravimetric network of II. order

☐   2011 > Realisation of phase V and VI = Zagreb, Slunj, Gorski Kotar

☐   2012 > Plan: phase VII – X = Lika, Dalmatia and Adriatic islands

2011: 35 new gravimetirc points = 50 gravimetirc lines

2012: 66 new gravimetric points = cca 200 gravimetric lines

Totally: cca 300 gravimetric points of II. order

> *Field revision*

> *Selection of locations*

> *Stabilization of new points*

> *GNSS measurements*

> *Levelling*

> *Relative gravimetric measurements*

Basic geomagnetic network

☐ **Basic geomagnetic network:**

10 locations - Croatian Geomagnetic Repeat Stations Network
> *Secular change of declination*
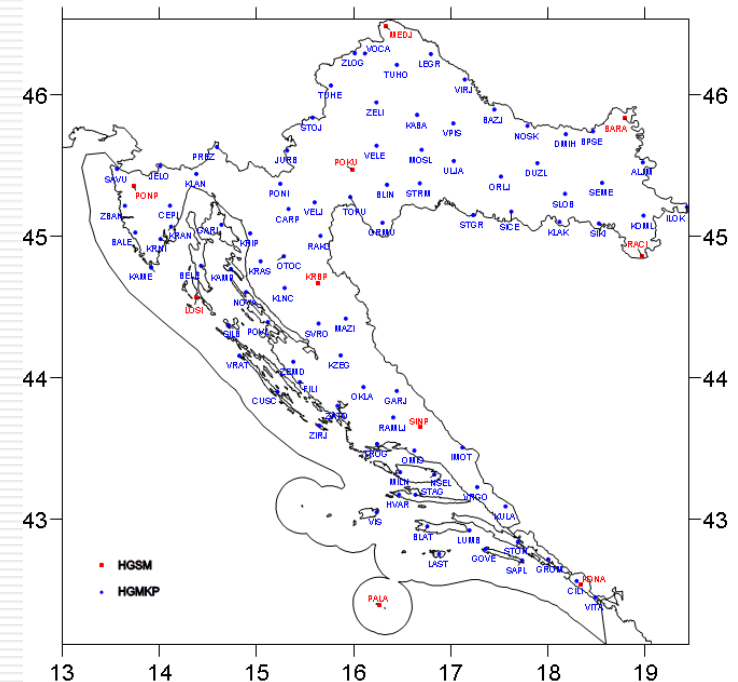
88 locations - Croatian Geomagnetic Network
> *Field Mapping declination*

☐ **Models of geomagnetic information:**
GI2009.5 (accuracy of ±2.7')
GI2012 (accuracy of ±6')

- *renewal of geomagnetic information on topographic and navigation maps and prediction in discrete points*

Thank you for attention