

Land Relations and Cadastre Agency
Institute of Geodesy, Engineering Research and Cadastre

National Report

New Geodetic Infrastructure in Moldova

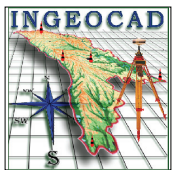
Col (Ret) Dr. Vasile Chiriac
Head of Research Department

EUREF Symposium, Riga 2006



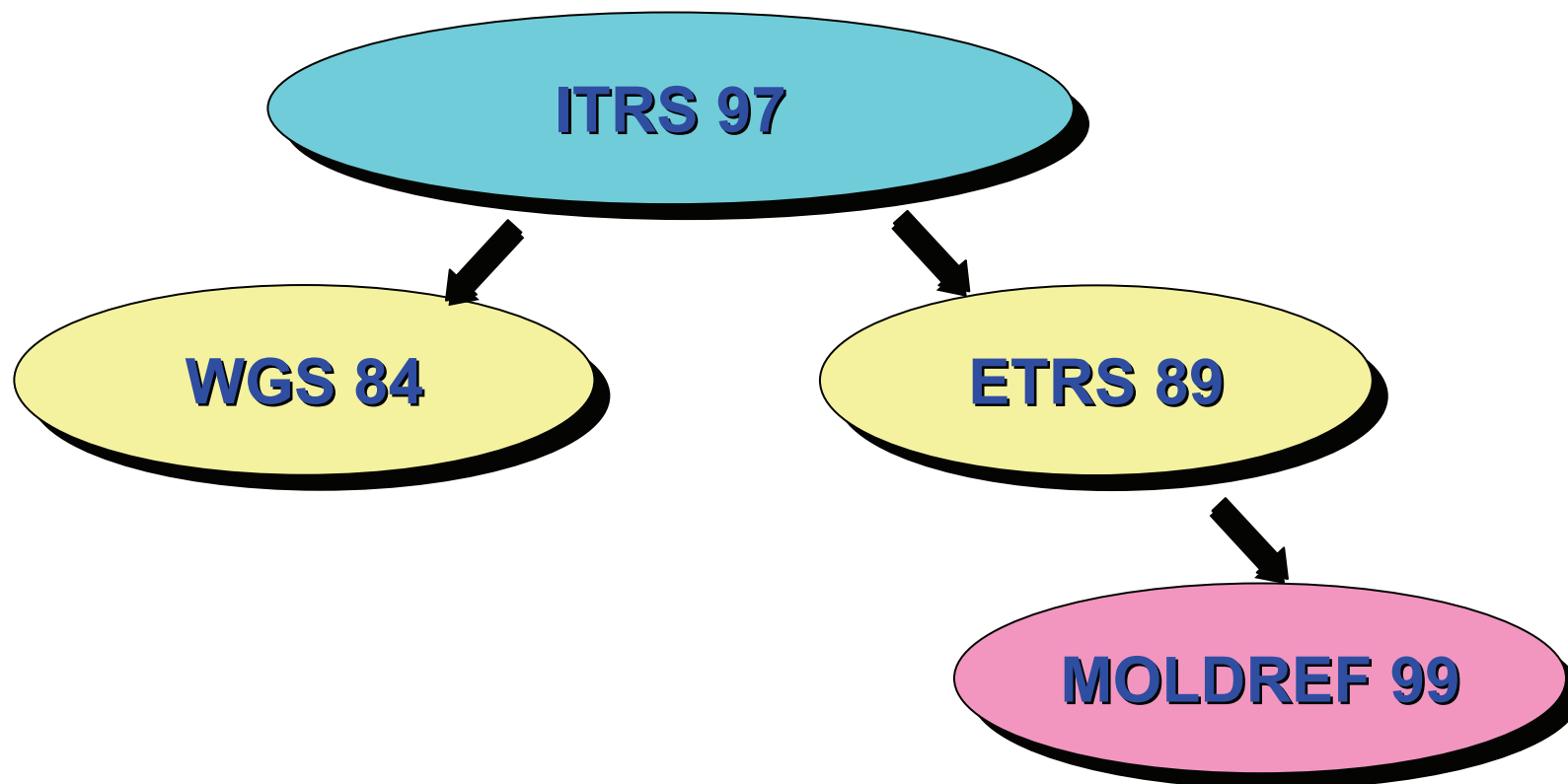
Subjects

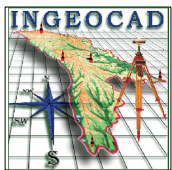
- **3D – Coordinate Systems**
- **The National GPS Network**
- **The National Leveling Network**
- **The National Gravity Network**
- **Way ahead**



New Geodetic Infrastructure in Moldova

3D-Coordonate System

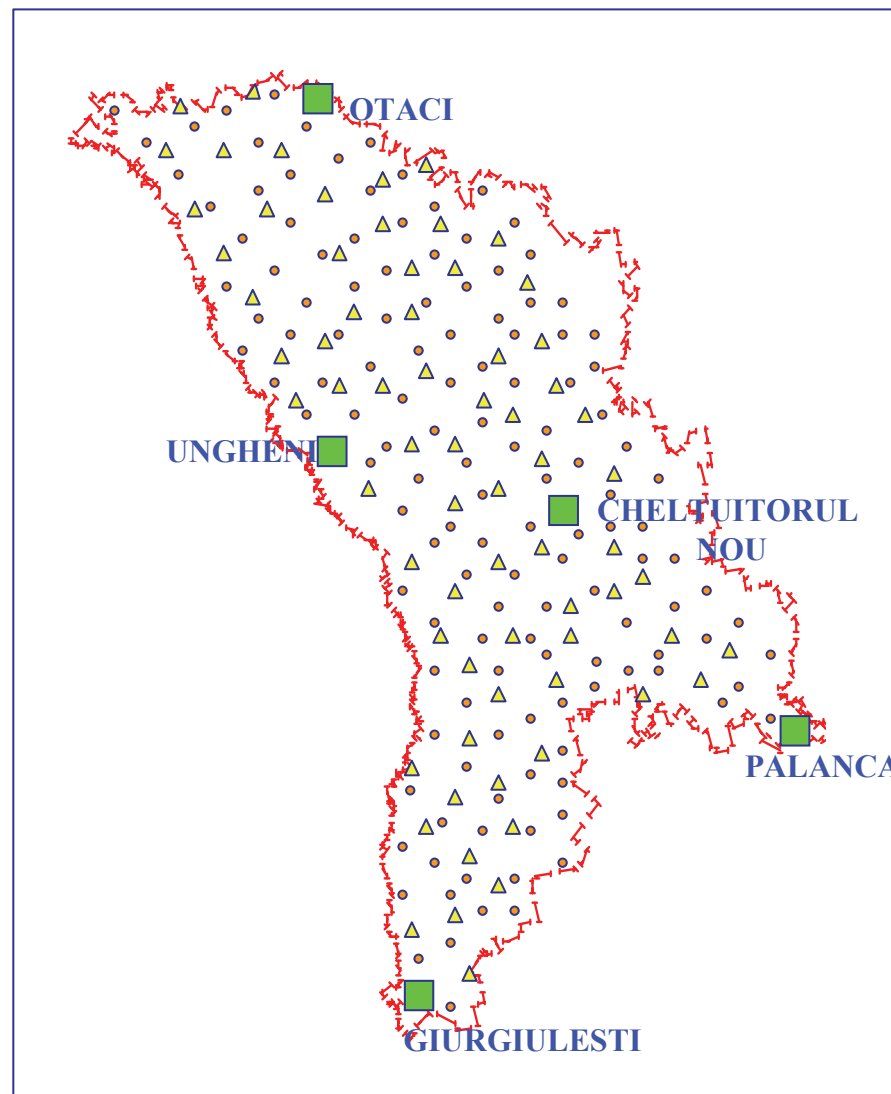
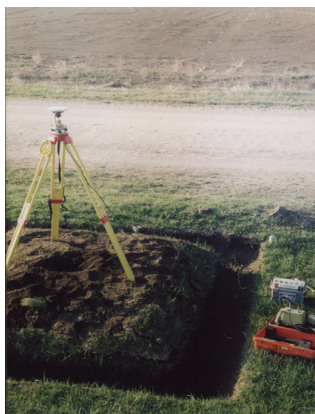


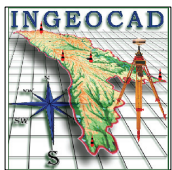


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The National GPS Network

- EUREF sites (5)
- ▲ first-order sites (78)
- second-order sites (400)

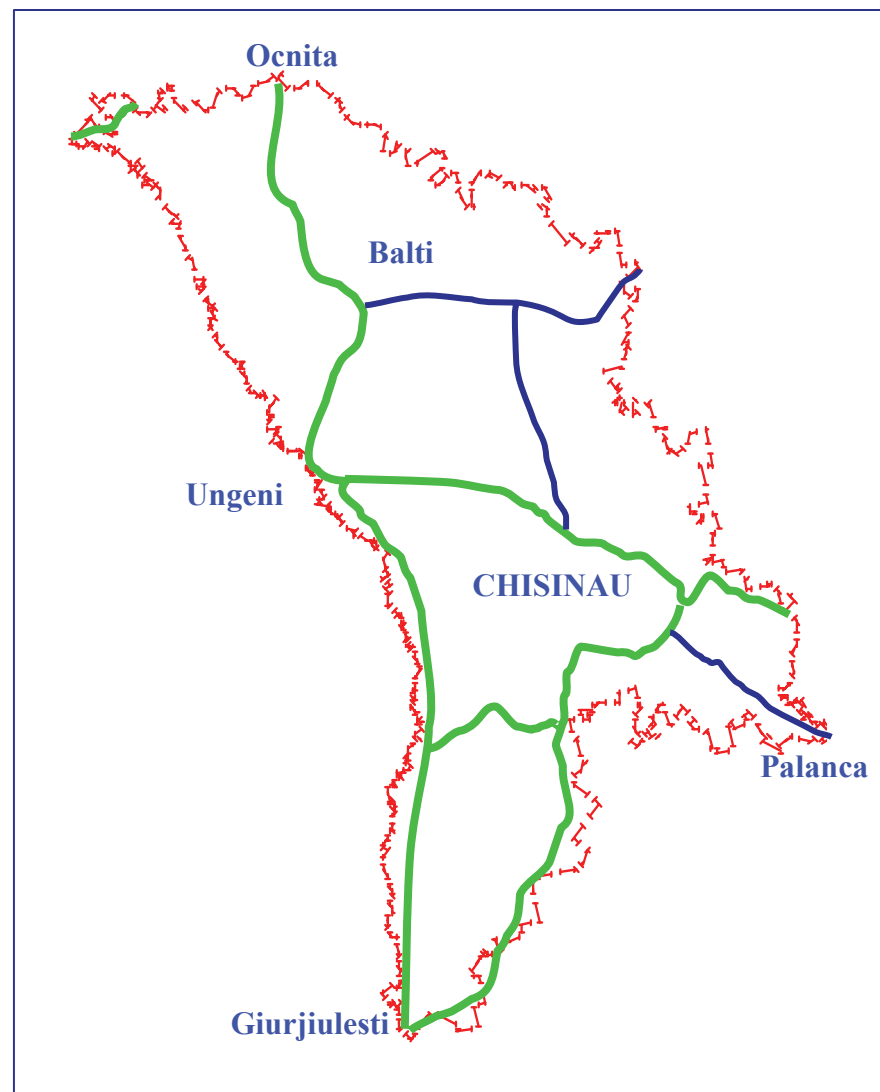


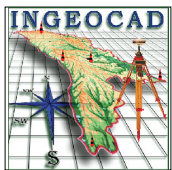


New Geodetic Infrastructure in Moldova

The National Levelling Network

-  First-order Leveling Network
-  Second-order Leveling Network

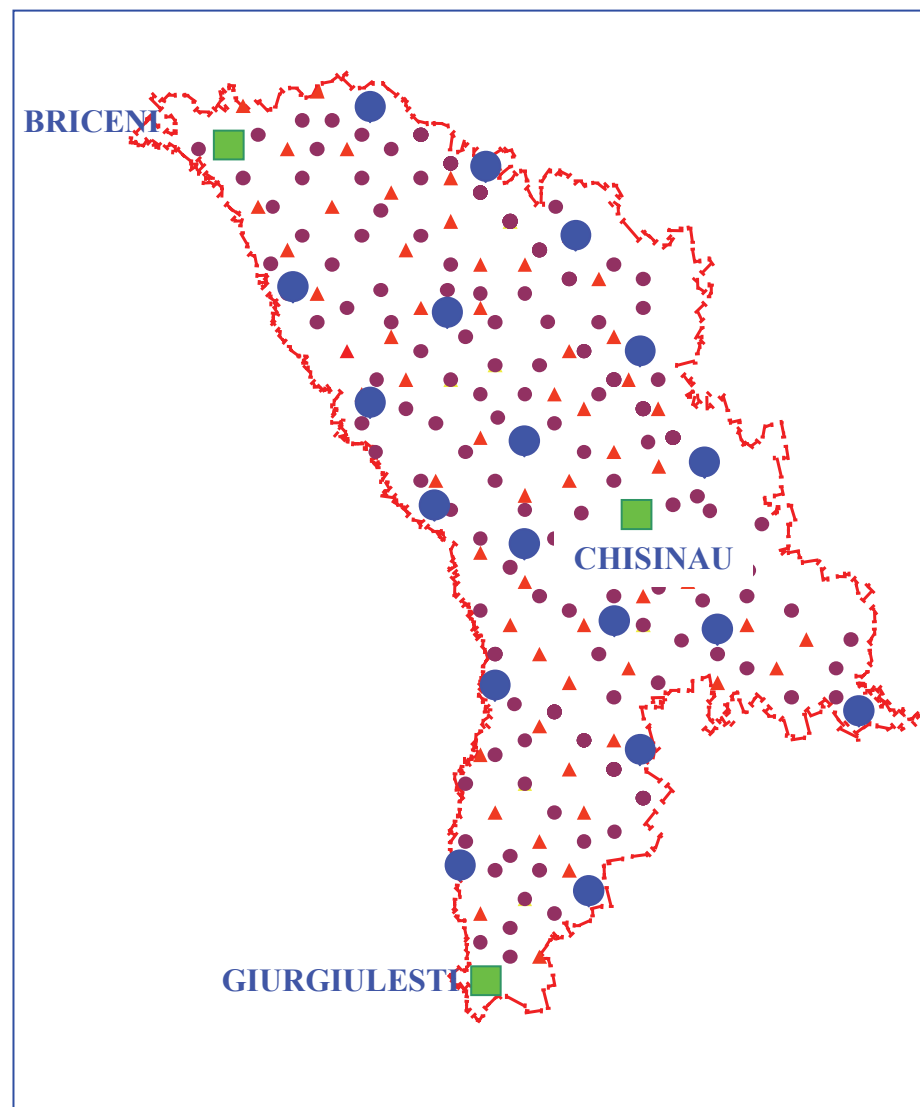


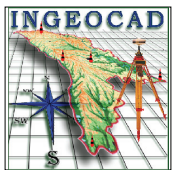


New Geodetic Infrastructure in Moldova

The National Gravity Network (2006-2007)

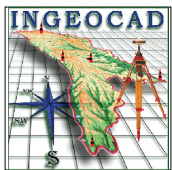
- Absolute gravity sites (3)
- Relative gravity 1-st order sites (17)
- ▲ Relative gravity 2-nd order sites (300)





Way ahead

- The future steps are the densification of the National Gravimetric Network – 1 point per 15 square km
- High accuracy quasigeoid modelling and improvement of normal height determination accuracy from GPS measurements



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Thanks for your attention

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