ROMANIA

National Presentation

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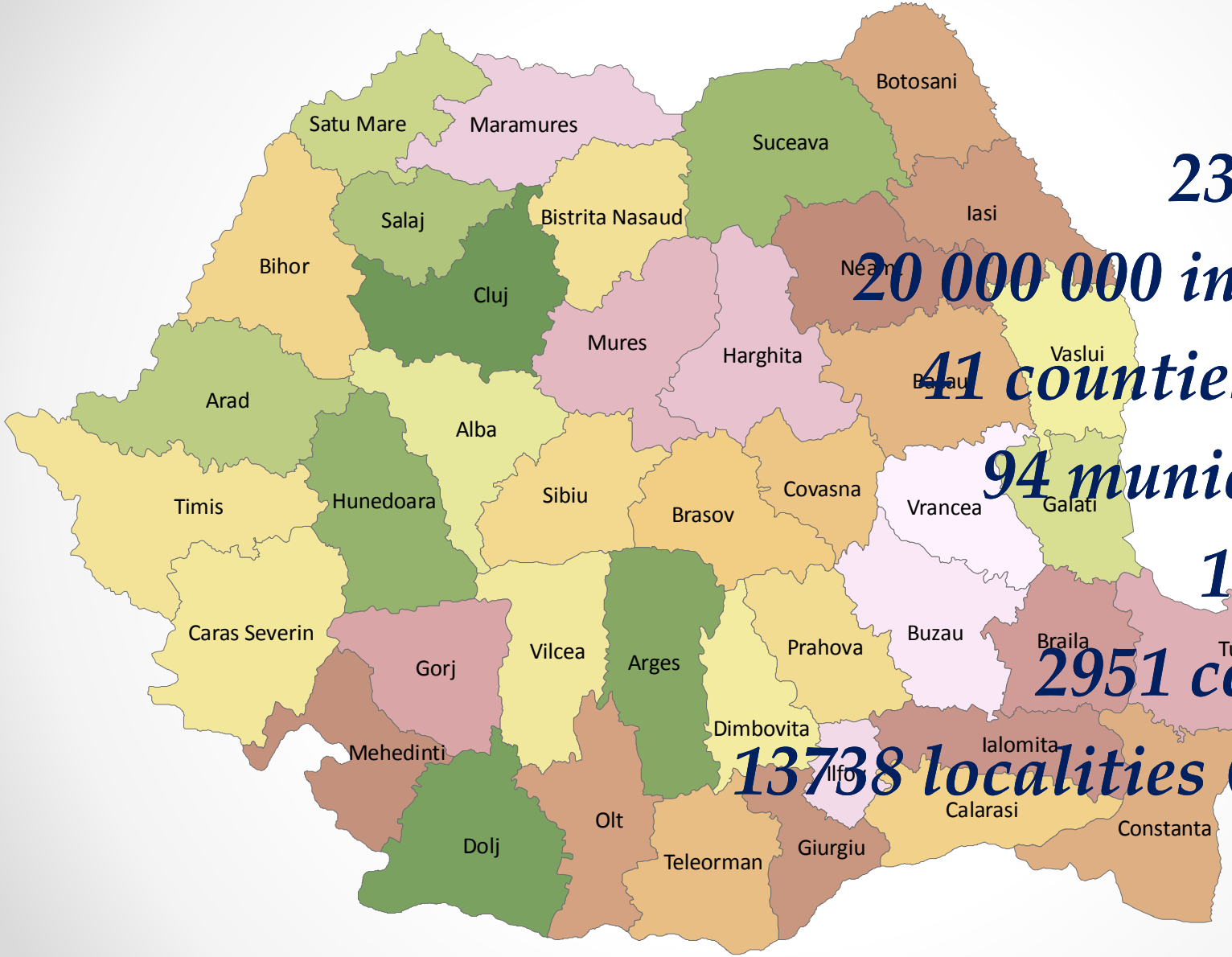
CLGE

Hanover - October 2012

General data



237500 km^2

20 000 000 inhabitans

41 counties (judets)

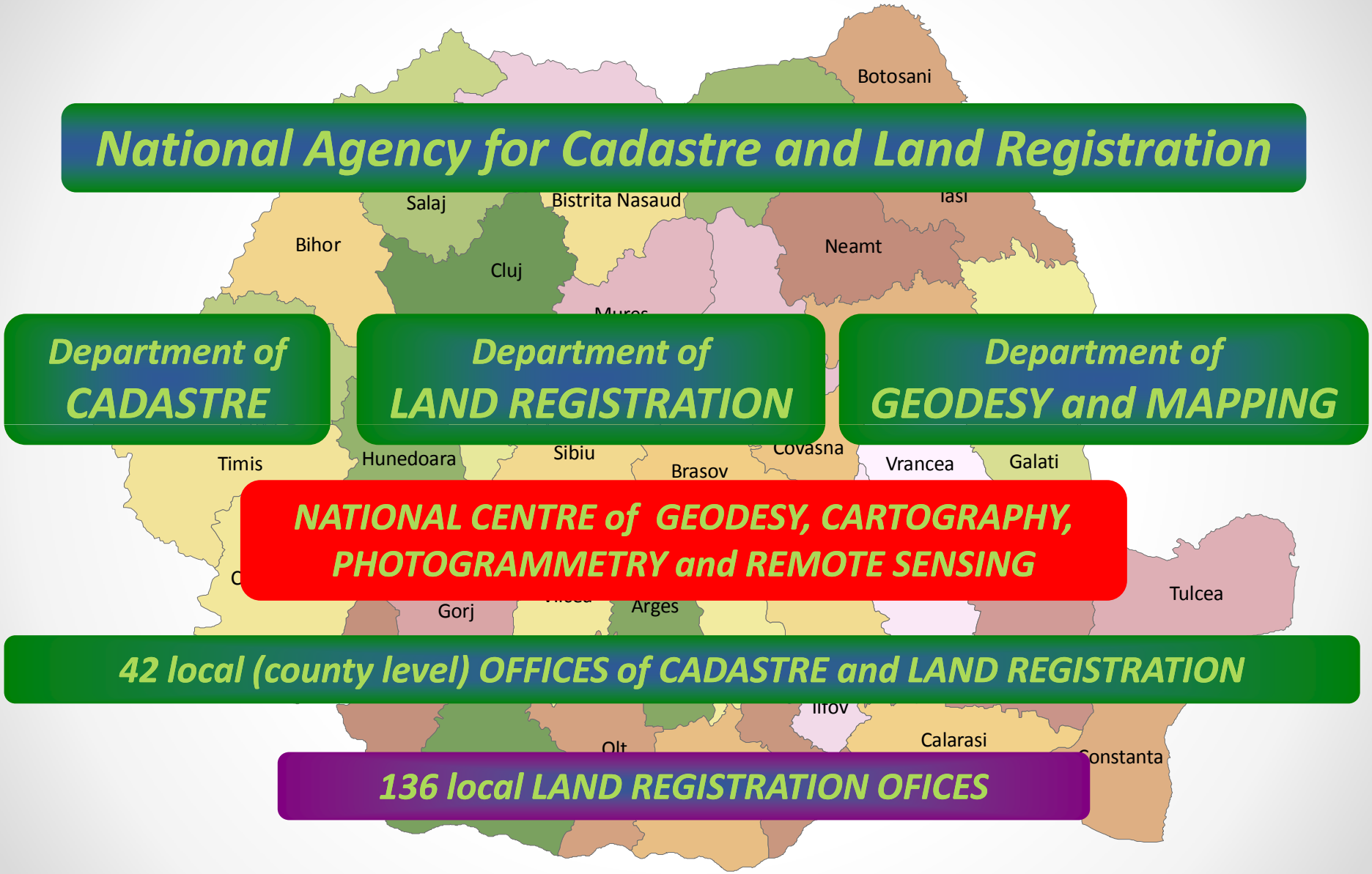
94 municipalities

172 towns

2951 communes

13738 localities (villages)

Institutions



National Agency for Cadastre and Land Registration

Department of CADASTRE

Department of LAND REGISTRATION

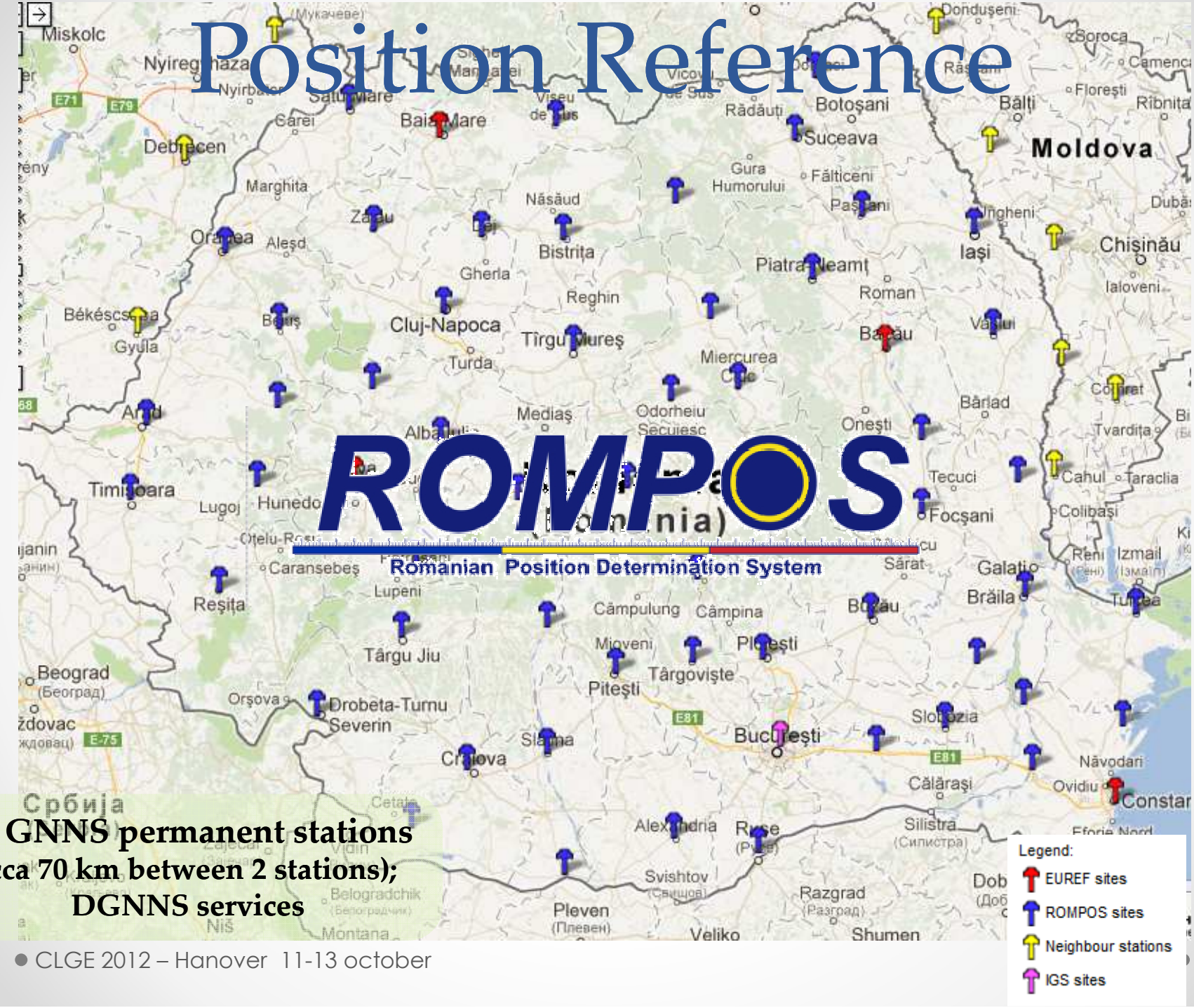
Department of GEODESY and MAPPING

NATIONAL CENTRE of GEODESY, CARTOGRAPHY, PHOTOGRAMMETRY and REMOTE SENSING

42 local (county level) OFFICES of CADASTRE and LAND REGISTRATION

136 local LAND REGISTRATION OFICES

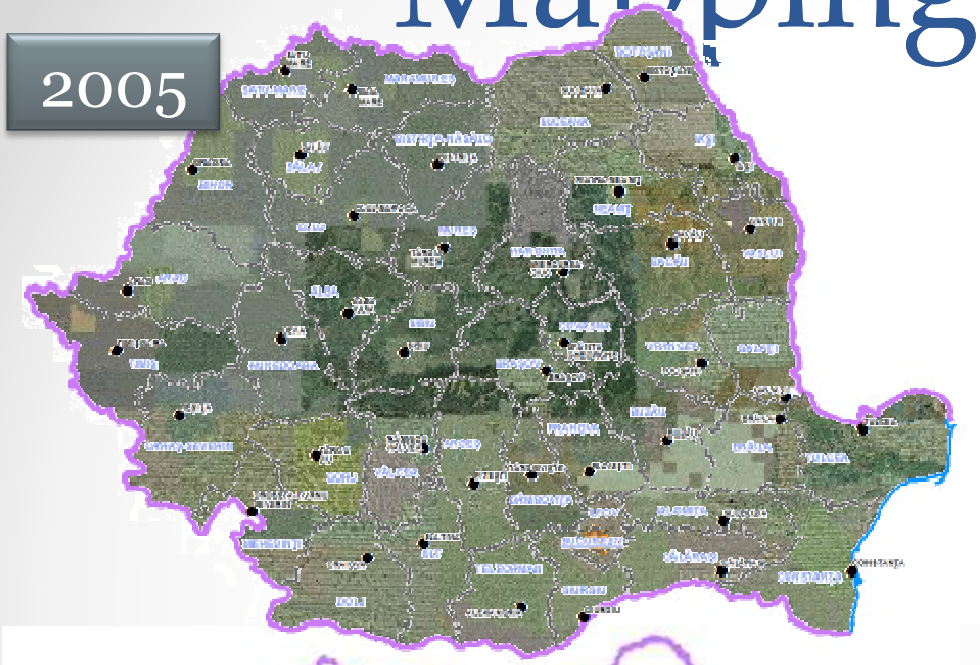
Position Reference



75 GNNS permanent stations
(cca 70 km between 2 stations);
DGNNS services

Mapping support

2005



Orthophotomaps

Pixel dimension:

50 cm

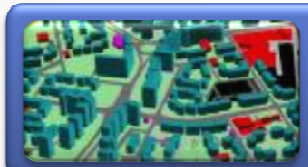
25 cm in urban areas

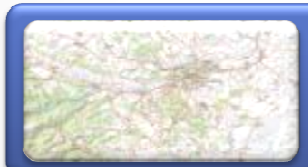
2008

2009

Main categories of works

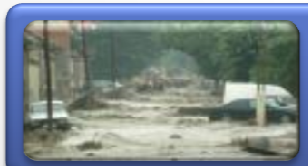
Cadastre


Urban GIS


Topographical maps

“Green” Cadastre

Monitoring buildings stability


Risk maps

Cadastre

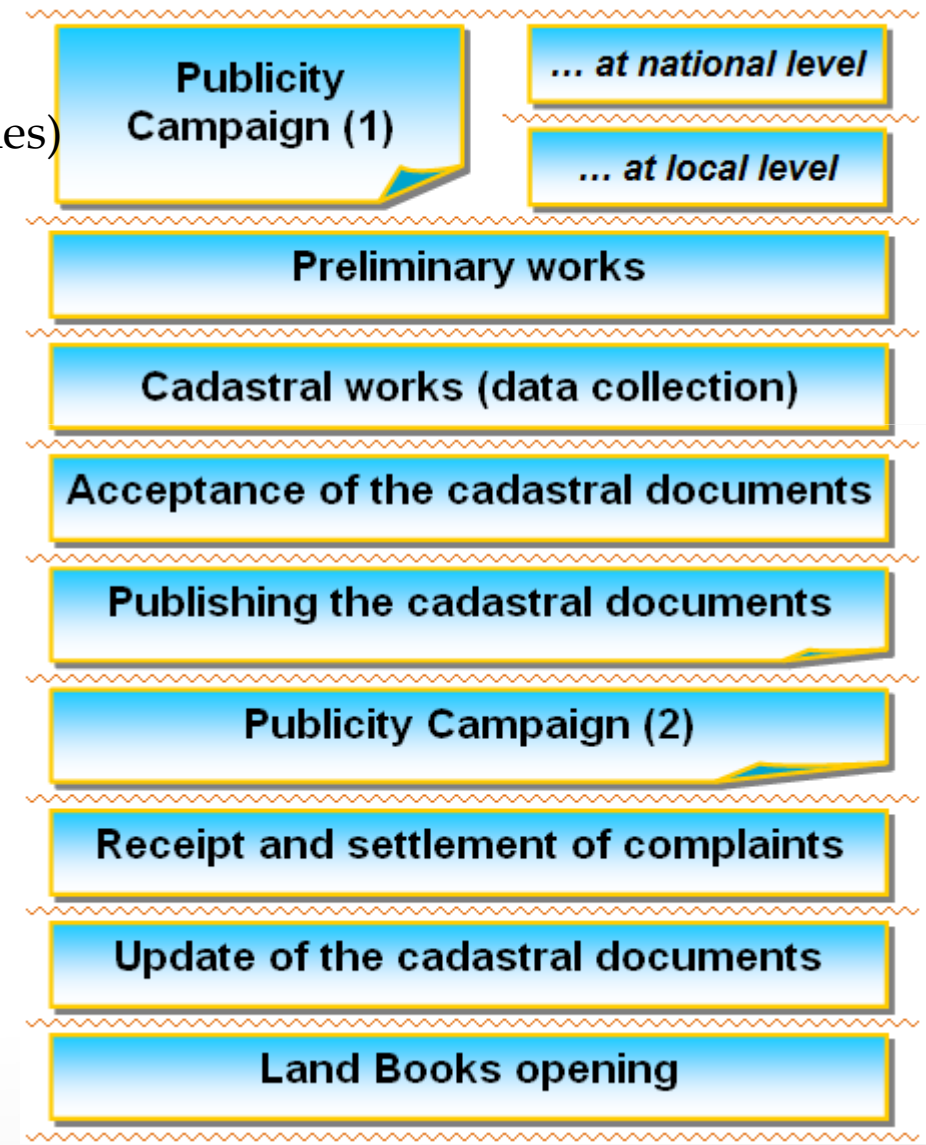
Complementing European Support for Agricultural Restructuring (CESAR) projects:
"Systematic cadastral registration"

50 administrative territorial units (communes)

621,776 parcels

425,981 hectares

Main stages:



Cadastre

Analogue to digital conversion of existing cadastral documentations elaborated for Land Book registration

4,390,662 documentations (files)

For each cadastral file:

- ✓ *Vectorizing plans,*
- ✓ *Scanning documents,*
- ✓ *Recording in a geodatabase*

e-TERRA

Integrated Information Sysytem for Cadastre and Land Book

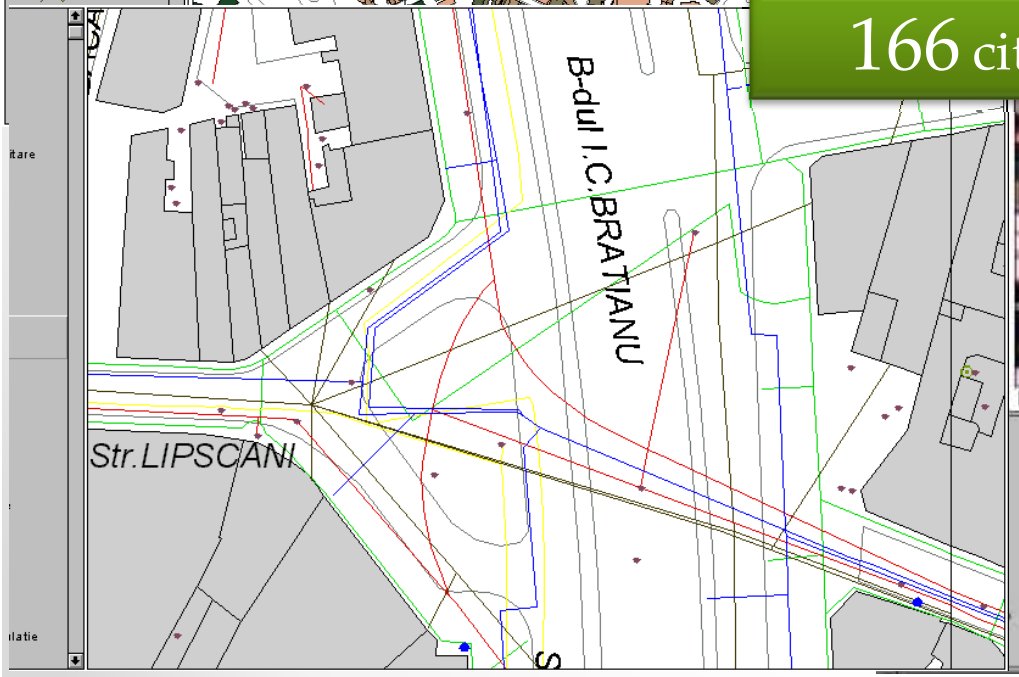
Infrastructure:
24 IBM Power 5
Oracle 11

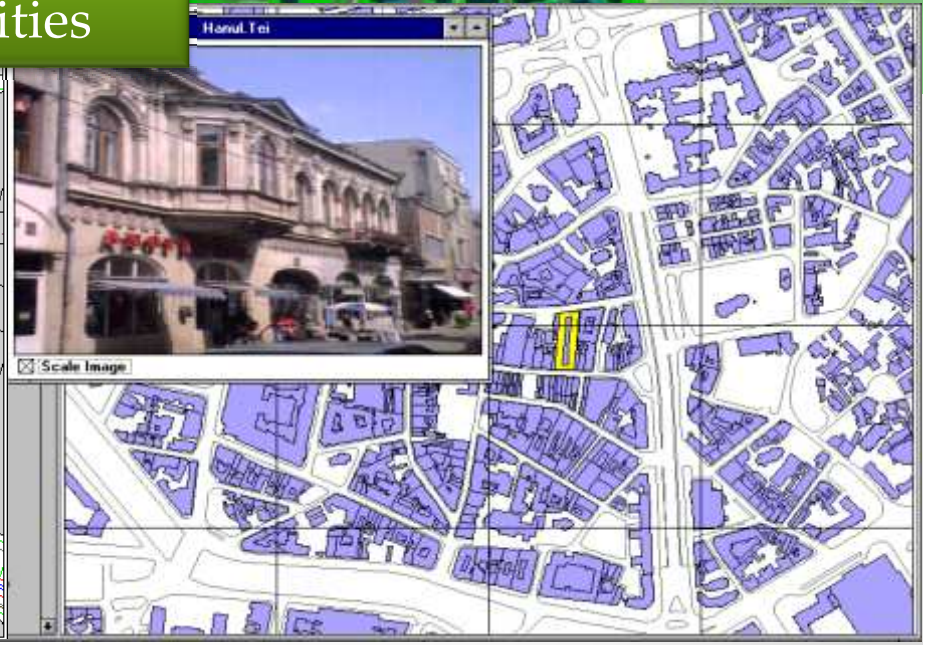
Main objectives:

- ✓ *Creating and maintaining a national cadastral database,*
- ✓ *Receiving cadastral documentations,*
- ✓ *Ensuring compatibility with European standards*

Urban GIS

166 cities





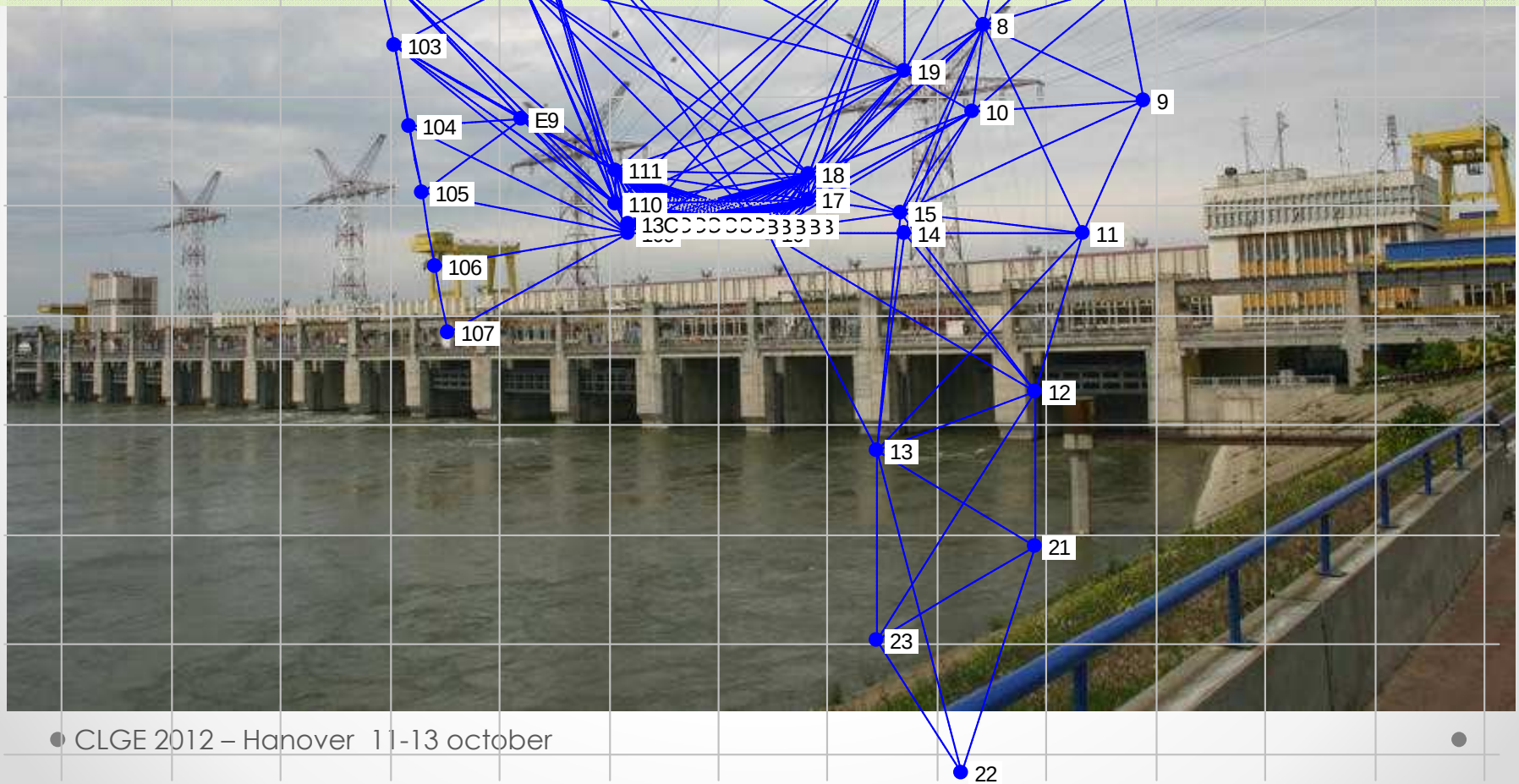
“Green” cadastre

Inventory of cities green heritage

Completed in 3 major cities
(Bucharest, Galați, Arad)

Monitoring buildings stability

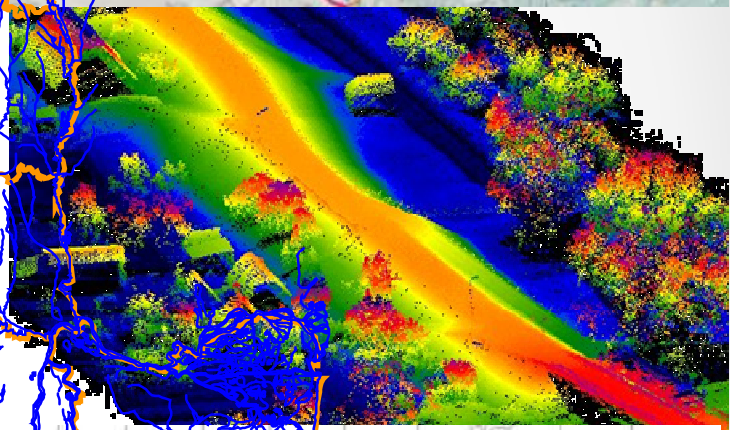
Romanian Register of Large Dams contains 191 dams with heights from 15 to 168 m and reservoir volumes from 100,000 to 2,400,000,000 cubic meters
All dams, and other major buildings, are periodically monitored by topographic measurements of high precision

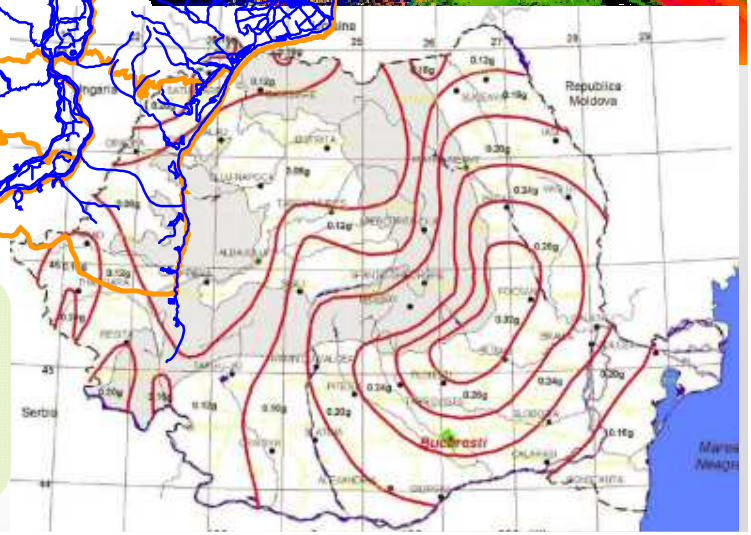


Risk maps

Main risks in Romania:

- Flood risk,
- Seismic risk.





Romania has a dense hydrographic network. Many of the river basins are at risk of flooding and require specific maps.

Thank you for your attention!