



Aspects of geodetic and geodynamic investigations in Romania - CERGOP-2/Environment Project

T.Rus(1), D.Ghitau(2), I.Buse(2),L.Besutiu(3), I.Stoian(2), V.Nacu(2), G.Stanescu (2)

(1) National Agency for Cadastre and Land Registration, (2) National Centre for Geodesy, Cartography, Photogrammetry and Remote Sensing, (3) Institute of Geodynamic (rus@utcb.ro / Fax: +40-21-3165224)

Under the auspices of the CERGOP-2 project, geodetic and geodynamic investigations were performed on the Romanian geotectonic units. The objective of the Work Package (WP) 10.2 - "Three Dimensional Plate Kinematic in Romania" was to monitor the recent crust movements, detecting the borders of the tectonic plates and quantifying their three dimensional rates. The objective was achieved especially by the use of GPS technology. A huge effort was spent in order to establish, to maintain and to develop the CEGRN (Central European Geodynamic Regional Network) in Romania. This network consists now of epoch and permanent GPS stations. Data and results (coordinates, time series, site velocities) are the main achievements of the WP.10.2.. Based on the geodetic results obtained within CERGOP-2 project geodynamic interpretations could be derived.