



status report of the crc 461 subproject "three dimensional plate kinematics in romania"

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Since 1995 several projects are working in the Vrancea-region in Romania. The CERGOP-project installed the CEGRN (Central European Geodynamic Regional Network) first. In the framework of the Collaborative Research Centre CRC 461 "Strong Earthquakes" subproject B1: "Three dimensional plate kinematics in Romania" the Geodetic Institute of Karlsruhe (GIK) extended the network. In co-operation with the project "Integrated Solid Earth Science" (ISES) of the Delft Institute of Earth-Orientated Space Research (DEOS) additional sites were installed. Due to all extensions the current network includes roughly 60 sites. Meanwhile 13 GPS-measurement campaigns were carried out, one more campaign is planned for 2006. Nowadays, the results of the deformation analyses are clear below the threshold of significance, because of the long time frame and the number of campaigns. The control and validation of the results is guaranteed due to the independent data processing from DEOS.

The main focus is to present the development of the deformation network and the latest results of the deformation analyses. Furthermore the detected problems of the GPS data processing and their potential cause will be discussed.