



GURN (GNSS Upper Rhine Graben Network) – Status and Research Goals

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In April 2008 the Institut de Physique du Globe de Strasbourg (Ecole et Observatoire des Sciences de la Terre) and the Geodetic Institute of the University Karlsruhe (TH) established an international cooperation called GURN (GNSS Upper Rhine Graben Network). Within the GURN initiative these institutions are cooperating in order to carry out research in the framework of the transnational project TOPO-WECEP (Western and Central European Platform), which succeeds the former project URGENT (Upper Rhine Graben Evolution and NeoTectonics) of the EUCOR universities (European Confederation of Universities on the Upper Rhin). The research is actually based on GNSS (Global Navigation Satellite Systems) in order to establish a network for the detection of recent crustal movements.

The poster will focus on main research goals as well as on first results (e.g. phase multipath impact, receiver quality, PPP time series) concerning the data quality of the approx. 70 permanently operating GNSS reference sites.