



## **CzechGeo/EPOS – Building a national data portal**

J. Zednik and P. Hejda

Institute of Geophysics AS CR, Prague, Czech Republic (jzd@ig.cas.cz)

CzechGeo/EPOS is the consortium of seven geoscience institutions in the Czech Republic (Institute of Geophysics AS CR Prague, Institute of Rock Structure and Mechanics AS CR Prague, Institute of Geonics AS CR Ostrava, Institute of Physics of the Earth, Masaryk University Brno, Faculty of Mathematics and Physics, Charles University Prague, Faculty of Science, Charles University Prague, and Research Institute of Geodesy, Cartography and Topography Zdiby). These institutions operate a distributed system of seismic, GPS, magnetic, gravimetric and geodynamic observatories. The operational and personal costs of CzechGeo/EPOS are mostly covered by the Ministry of education, sports and youth within the support of twelve large research infrastructures in the Czech Republic.

Web pages of the project [www.czechgeo.cz](http://www.czechgeo.cz) are being built as a data portal which should integrate all the data and services provided by the involved institutions and research infrastructures. Seismic portal offers selected portions of digital data from permanent, local and temporary seismic stations, locations of seismic events in the country and worldwide, daily seismograms from permanent observatories and local seismic network Webnet, seismic bulletins and catalogs, and macroseismic observations on the territory of the Czech Republic. Magnetic portal involves besides real-time magnetograms also recent state of geomagnetic activity and its forecast for the next day. GPS portal will provide preprocessed data from regional GPS stations. Building the national portal is closely related with the development of the Preparatory phase of the EPOS (European Plate Observing System) project.