



GIS database for mineral resources: case study – map of mineral resources from Romania at the 1: 500.000 scale (after Borcoș M., Udubașa G., Săndulescu M., Lupu M., Tudor G., Găbudeanu B.)

George Tudor¹

¹ Geological Institute of Romania, 1 Caransebeș Street, Bucharest, 012271, Romania

Abstract

The updating of the map of the mineral resources from Romania by a team of researchers led to the need for a GIS database. This database contains information on the sites with mineral resources, geological data describing the associated geological map, as well as topographic and hydrographic data. Associated attributes include general data, identification data, geographical data, geological data, economic data, descriptions and references. Spatial and attribute data were organized following the relational database model previously developed for the geological map. Associated dictionaries allow the effective classification of the information, easy queries, as well as the use of various symbols for the sites. The results can be presented in either printed form or digital format, by means of 3D images or by using WebGIS applications or WMS services. Given the structure of the database, the information will be constantly updated and associated with other data.

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