

**WEBGIS – A FRAMEWORK FOR THE WEB PRESENTATION OF THE 1:1
MILLION SCALE GEOLOGICAL MAP**

GEORGE TUDOR¹

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

Abstract

The GIS technology, meant to create a database of geological maps, associated with information displayed on Internet technologies, has resulted in a webGIS application able to display and query the information contained in the geological map. The server side contains a PostgreSQL/PostGIS database, Mapserver, an Apache web server and a GUI application, written using PHP programming language associated with PHPMapScript functions. Thus, the client may view and query the geological map using a web browser. In this particular case, the 1:1 million scale geological map of Romania was used, but information from maps at various scales may also be included.

Keywords: GIS, webGIS, geological map, MapServer, PostgreSQL, PostGIS.

¹ e-mail: george.tudor@igr.ro