

DATABASE OF THE 1:50000 DETAILED GEOLOGICAL
MAP OF POLAND

Waldemar Gogołek
Department of Quaternary Geology
Polish Geological Institute
ul. Rakowiecka 4
00-975 Warszawa (Poland)
Ph (48-22) 49 53 51 (367)
Fax (48-22) 49 53 42

The Polish Geological Institute is a leader and a main publisher of geological cartography in Poland. The main task of Polish geological cartography is the edition of the 1:50000 Detailed Geological Map of Poland. The prepared and edited sheets of this edition cover almost 40% of the area of Poland.

The creation of database of the 1:50000 Detailed Geological Map of Poland was started at 1994. During several tens of years Polish geological cartographers have had to map and produce geological maps using four projections. The tasks of database are as follows:

- the standardising of the present edition 1:50000 Detailed Geological Map of Poland by using one projection (grid of topographic map) to produce of the database,

- production a database of the content of the 1:50000 Detailed Geological Map of Poland. This database should have logical connections to other existing databases: a Raw Materials Database - MIDAS, a Hydrogeological Database and to parallel produce Geo-ecological Database,

- computer-aided print of the 1:50000 Detailed Geological Map of Poland.

These tasks are part of strategic aims of the Polish Geological Service. The first aim is to produce a Polish Geological Databank System and the second aim is to apply GIS and automation in Polish geological cartography.

The paper will present a logical structure, functions and contents of database.