

## **ATLAS GEOLOGY AND ECONOMIC MINERALS OF UKRAINE, SCALE 1:5,000,000**

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For the first time in the history of geologic research leading scientists and specialists in geology working at the institutes and organisations of the National Academy of Sciences of Ukraine, State Committee on Geology and Utilization of Mineral Resources of Ukraine and other national agencies created a unique Atlas Geology and Economic Minerals of Ukraine to a scale of 1:5,000,000, consisting of 70 different maps and published in Ukrainian and English. The Atlas features complex data on geologic constitution and mineral resources of the territory of Ukraine, history of geology and mining and consists of seven sections: maps with general geographic and remote sensing data, geophysical maps, maps of structural regionalization, lithologic and facial, ecological and hydrogeological maps and maps of minerals deposits. At the end of the Atlas there is a brief restatement of laws and regulations on entrails use, investment propositions.

The territory of Ukraine is a 3,5 Ga universal geologic polygon. Among the major geo-structural regions within Ukraine there is the Precambrian East-European Platform, the younger Scythian platform, and the folded structures of Donbas, Carpathians and Crimea.

Ukraine has unique mineral and raw material complex which makes about 5% of the world raw material and products of its processing. About 8 thousand deposits have been researched within the bowels of the country yielding 90 kinds of mineral raw materials. Many of them are unique by resources and quality of raw material. They are located in favorable geographical and economic conditions. Thus, the Atlas represents natural resources, achievements of industrial and scientific potential, innovation possibility of Ukraine and it is also a fundamental basis for entry in a global system of geological information, consideration of the regional ecological, technical projects, construction, water use.

The Atlas is a universal form of transfer of stored experience and knowledge to the future generations on a boundary of centuries and inducing of development of new ideas and hopes.