

GEOLOGICAL AND MINERAL RESOURCE MAPS ON THE MAJOR PRECAMBRIAN SHIELDS AND THEIR MOBILE MARGINS (AGIS-AFRICA PROJECT)

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A series of geological and mineral resource maps at 1/2000000 scale have been produced concerning, in particular the West, Central, East Africa and Arabic peninsula. A detailed attention have been given to certain orogenic periods /chains and metalliferous peaks (or crises) well characterised in Africa (or instance: Au& Fe within the eburnean or panafrican orogenies, etc.). A particular attention have been given to the Archean - Proterozoic and Neoproterozoic - Paleozoic boundaries; The major ore deposits (all substances) have been represented on revisited mineral resources maps taking account their orogenic sites. The aim of the GIS project AGIS-AFRICA, launched in 1998 by BRGM France, is to produce geological, structural and geochronological data concerning the major shields of Africa and their margin fold belts and more fundamentally to gather the existing but dispersed data holdings of geosciences information, acquired over more than 50 years, presently preserved and held in many public national maps or information data bases in Africa and Europe. In order to increase accessibility of the data this project is a first step to create a meta-data server of harmonised geosciences information, covering geology, mineral resources and groundwater resources of the whole of the African continent connected to the World Wide Web. This GIS will be used to share and exchange information on the existing data (meta-data) and of synthesis data (at 1/1000000 & 1/2000000 scales). Its use training tool will be favoured. It will contribute to the actions of institutional and inter-official decision-making aid.