

**MINISTRY MINES AND ENERGY  
GEOLOGICAL SURVEY OF ETHIOPIA**

# **SGAfrique Network Project in Ethiopia**

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**November, 2005  
Dar-es-Salaam, Tanzania**

# Background

- **The GIS Africa Network pilot project was launched in March, 2003 and will be concluded in November, 2005,**
- **The Geological Survey of Ethiopia, Ministry of Mines and Energy of the Federal Republic of Ethiopia joined the Project in March, 2004,**
- **Funding by the French Ministry of Foreign Affairs**
- **Coordination by CIFEG & operated by BRGM**

# Aim of the Project

The aim of the project is to share, update and promote:

- the geology
- hydrogeology
- mineral resources and socio-economic data of the continent through an African geological information network for the sustainable development.

# Participating Institutions

Angola, Burkina Faso, Ethiopia, Guinea, Kenya, Madagascar, Mali, Mauritania, Mozambique, Niger, Senegal, Tanzania and Uganda.

# Achievements

- Converted Geological Survey of Ethiopia's (GSE's) bibliographic data, that contains about 2,600 records from CDS/ISIS to ACCESS software
- The Geology of Ethiopia at 2,000,000 scale and about 875 mineral deposits/occurrences and are available in the SIGAfrique Geological Map and Mineral Deposit Databases respectively.
- The Survey checked and updated A, B and C class of Mineral deposits of Ethiopia for its improvement and validity. Only Lege Dembi is a B class deposit.

# Contd.....

- A draft Aquifer Classification Map of Ethiopia has been prepared at 1:5,000,000 scale based on simplified Geology of Ethiopia
- A draft Aquifer Classification Map of Ethiopia has been prepared based on Geology of Ethiopia (1:2,000,000 scale), 1996, GSE
- A draft Aquifer Classification Map of Ethiopia has been prepared based on Geology of Ethiopia (1:2,000,000 scale), 2002, AAU
- The Survey provided an input to the GIS Africa Mineral Deposit and Geology Databases for its improvement and validation
- The Survey popularized SIGAfrique Network through Brochure and poster for the Ethiopian natural resources institutions and the earth sciences community

# Contd.....

- Demonstrated the SIGAfrique databases to 8 Regional Mapping & Mineral Exploration Departments , and the Geoscience Information Center of GSE
- The Survey obtained 2 HP nx9010 notebooks (equipped with Pack Office Pro and Acrobat Distiller), 2 HP 3420 color DeskJet Printers, Benq Scanner and associated softwares
- Three staff from the Survey attended 7 consecutive workshops organized by the SIGAfrique Project

# Contd.....

- 70 new records have been entered into the SIGAfrique Bibliographic database on the ACCESS Software

# THE WAY FORWARD

- French technical support to ensure sustainability of the SIGAfrique website at SEAMIC
- Finalization of the geology and mineral occurrences database to validate the national data
- Finalizing Hydrogeology of Africa at 1:5,000,000 scale
- Elaborating and building socio-economic and sustainable development indicators to ensure the applicability of SIGAfrique Network for decision makers, investors and local population
- Creating of associated Metadata for the SIGAfrique databases (geology, mineral and Hydrogeology) to support the existing data posted in the SIGAfrique web

# Contd.....

- Translation of the SIGAfrique databases structure (relational tables...etc) from French to English
- Updating the complicated tables and lengthy manuals of SIGAfrique Databases