

**An Over View of GIS Africa
Network Project in Uganda-
A presentation at the last meeting
of the Project at SEAMIC-Dar es
Salaam(29th-30th)November 2005.**

**By
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1.0 INTRODUCTION

- During the 24th governing Council Meeting in Dar es Salaam of 28th May 2004, it was decided that SEAMIC continues to pursue the matter of including all SEAMIC member States in the activities of GIS Africa Network Project(March 2003- March 2006). As a result Uganda was included in the remaining activities of the project to familiarise with the project activities in June 2005.

WORKSHOPS ATTENDED

6th to 10th June 2005

Operation of the Databases at SEAMIC-Dar es Salaam

-Introduction of the project.-Operations within ore deposit and map databases.

-The role of the focal person

20th June to 8th July 2005-GIS, Remote sensing and social economic indicators of mining activities at Orleans University, France.-Mining observatory.-GIS and remote sensing

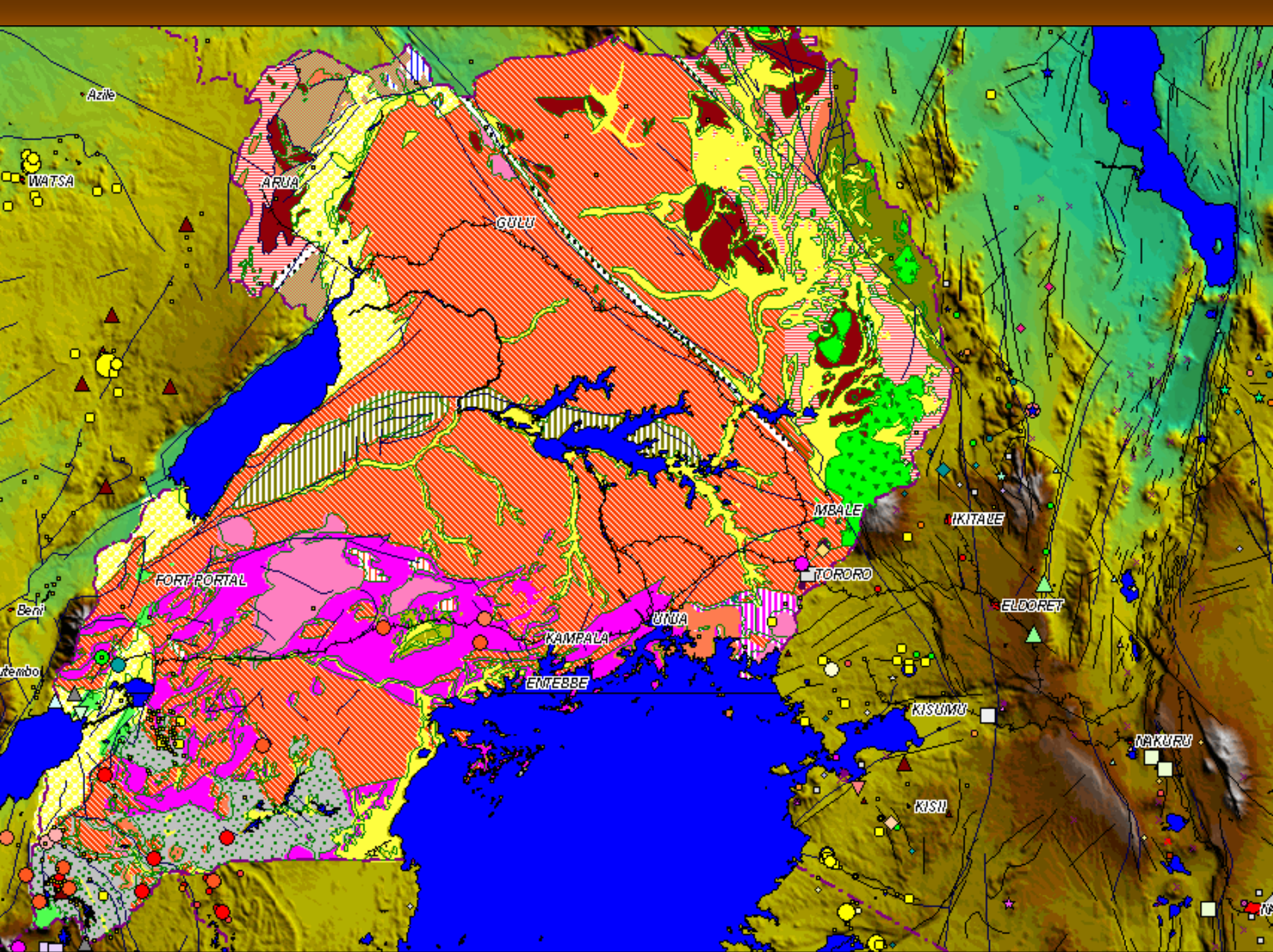
4th-12th August 2005

Dr.Philips Bernards at DGSM

- 3 staff oriented on the operation of the ore deposit database, Principles of MapInfo.
- Visited the GL Dept of MUK and water department.
- Discussed the Merger of the two components, the MO of the GIS Africa Network Project and the SEU of the SMMRP-Two presentations to the DGSM staff; One on the principles of projection by Dr.Philip Benards and the second one on the review of the GIS Africa net project by the focal person. Personnel from the French Embassy attended.

14th -18th November 2005

**Result Oriented Training on the 1:2000000 Scale
Map at SEAMIC-Dar es Salaam-Principles of
MapInfo.**



2.1 Follow up of these workshops

- Following the discussion with administration and the reports submitted to DGSM, the project activities were assigned to two more officers and incorporated into the department performance plan and hence the project activities started.

3.0 The status of the project activities in Uganda

The following are the extents in each domain of the project.

3.1 The Mining observatory (MO).

- Participated in three internal and three external workshops on the methods of data collection and interview questions of the ASM profiling in Uganda of the SEU were designed. Commented on the tool kit.
- Initial data source identification document of all indicators of the MO discussed with the SEU and filled and sent to BRGM.

- Letter of renewal of the Project and recommendations to the efficient participation of the Uganda Government in the next planned phase sent by the PS of MEMD to BRGM as requested by Dr. Gilles Recoche ,
- One GIS Africa Network Project staff has participated in the primary data collection (testing the tool kit) field trip (15th to 29th November 2005) of ASM-profiling of the SEU/SMMRP.

3.2 The Ore Deposit Database

- **3.2.1 Identified data sources**
- The fact sheets of different commodities (with a location map)-almost ordered as the required data base taken as the primary data source.
- **Other identified data sources**
- Mineral occurrence and concession map by the UNDP Project UGA/89/001(as updated on 1st March 2004).
- The Mineral resources of Uganda Bullet No.4 (With the Uganda mineral map (1970)).

3.2.2 Methodology used

- The fact sheet location digital map taken as the backbone source of coordination (in UTM but converted to Decimal degrees using Geocalc Software) which are later used to tally with the location coordinates in the database .They are also counter checked by querying a given commodity and exporting the results to the excel file and by superimposing geology in MapInfo. After proper identification the fact sheet information and other data sources are used to modify the database.

3.2.3 Modification so far.

- Columbite-Tantalite commodity was the first to be dealt with.
- 6 deposits on the database compared to 32 in the fact sheet-More additions
- Only 4 identified and modified. These are:-

1.UGA-000401 Lubale (Ta)

(-0.642907/30.0853=Mutaka (0.69888
/30.08495) -Coordinates almost coincide.

2.UGA00232Nyamagana2(1.168139/29.62
4989)=Kihimbi(1.162339/29.625358)-
Coordinates almost coincide

**3.UGA-00446 Nampeyo (No
Coordinates)=Nampeyo-Busia
(0.456381/32.23057)-Name.**

**4.UGA-00400Ntungamo Area 20&UGA-
00403Ntungamo Area 24-0.731711/29.86536 &
-
0.945555/29.674372=Bugangari(0.731711/29.86
536)-Coordinates approx. coincide.The two
prospects are the same in almost all the criteria
listed**

3.2.4 Additions

- Six (Bitaka, Bijabi, Chivare, Ilangalla-Kigiro, Jemubi and Kabira) deposits /commodities are in the final stages of being added as new entries into the database

3.3 Map of Uganda at 1:2000000 Scale.

- The Digitized map of Uganda by BRGM was found to differ from the digital map of Uganda. Dr. Philips advised us to put on hold this exercise until he consults the data source used by BRGM. He communicated in the late October 2005 and exercise is going on concurrently with training of the software used hence the 14th to 18th training on this exercise at **SEAMIC. More attention to training and practice**

3.4 The Map Database-

On Hold

4.0 Evaluation of the regional workshops

- Perusing through the above and noting the status of Uganda as of date (November 2005), having joined in June the same year, its quite evident that the scientific tools transferred in the workshops attended have been effective but the project activities can be improved by training more staff to meet the challenges of handling the project staff

5.0 Recommendations for the successful participation in the planned phase of extension

- Due to Uganda's late inclusion into the project, participating staff missed the training in the earlier workshops and it's against this background that Uganda strongly recommends result oriented training of its participating technical staff so as to meet the project objectives effectively. It will also appreciate if the project can provide the necessary equipment to undertake the project activities.

6.0 Acknowledgement

- Uganda is highly grateful to both SEAMIC and CIFEG for hosting these workshops. The financial support, hospitality and the unlimited help in whatever was required for her participant to attend and complete the workshops cannot go without being appreciated
- Uganda is equally grateful to the French Government for fully sponsoring and overseeing the project implementation.

List of abbreviations used

- **CIFEG**-International Center for Training and exchange in the geosciences.
- **BGRM**-Geological surveys of France.
- **SEAMIC**-Southern and Eastern Africa Mineral Center.
- **DGSM**-Department of Geological surveys and Mines
- **MEMD**-Ministry of Energy and Mineral Development.
- **PS**-Permanent Secretary.
- **SEU**-Social Environment Unit.
- **MUK**-Makerere University Kampala.
- **MO**-Mining Observatory Union.
- **SMMRP**-Sustainable Management of Mineral Resources Project.
- **ASM**-Artisanaland Small Scale Mining.
- **GL Dept**-Geology Department.
- **WRMD**-Water Resources Management Department.



THANK YOU

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