

## **PROCEEDINGS OF KNSDI STANDARDS SEMINAR III**

**HELD ON 21<sup>ST</sup> FEBRUARY 2008 AT LA MADA HOTEL NAIROBI, KENYA**

Meeting started with a word of prayer from Mrs. Grace karimi

The seminar coordinator Mr. Wanyoike welcomed the PS, Mr. Kombo Mwero

Director of Surveys, Mr. Ephantus Murage

JICA Representative, (represented by Mr Toshiyuki NAKAZAWA)

Chief advisor, Mr. Jun SATO

And all who had attended

The Director welcomed all to the meeting and reminded that the project is not an SOK affair but for all the stakeholders.

### **Mr.NAKAZAWA representing the JICA Representative.**

He thanked the participants for making time especially during this trying period but highlighted the importance of the seminar. This was a continuation of the second seminar. He noted that we have the draft documents, draft standards and all this highlights the importance of data sharing towards the final phase of the project. Everyone is involved in the endeavor to organize data for establishment of information .He looks forward for continuing support and application of standards

### **Permanent Secretary Min. of Lands, Mr. Kombo Mwero**

Extended gratitude on behalf of the Kenyan Government to the Japanese Government for all the support they have accorded. The success of the project will also depend on us Kenyans to make sure it progresses. All documents address issues on datum for data sharing and exchange. Such documents can be prepared and put on shelf and forgotten. KMPGIS is a special document which is going to be utilized to set standards in Kenya. Many organizations have set up clearing houses but the consensus is towards data sharing. He thanked all for continuing support.

### **Deputy Project manager, Ms. Pauline Gitimu (Mr. Odhiambo spoke on her behalf)**

KNSDI was started about 6 yrs ago aimed at establishing a national data infrastructure aimed at data sharing. Survey of Kenya was given the mandate by the stakeholders to come up with the standards and specifications. We all question on security, copyright and other legal issues .This is the time to test the clearing house he encouraged people to ask questions.

## PRESENTATIONS

### **1. DATA STANDARDS by Lucy Chepkoskei**

Her presentation was on an experimental project on improving usability of KPGIS and other related documents. She commented that user requirements were simulated.

*Comment*: Prof. Mulaku -Thinks Lucy should have made something actually do with the standards.

*Question1*: Mrs Mandi - This involves the coding. Since coding is very necessary and vital, was there any coding done?

*Question2*: Mr Agolla asked whether a schema was created because Lucy used UML drawing software.

*Answer1*: She did not use coding but it will be done.

*Answer2*: UML diagrams schema was used.

### **2. Mr Odongo from KWS**

Presentation was about data sharing KWS experience. He asked whether they had checked on what data others have since it was the agreement in the second seminar. In his case he had not been able to check on what data other stakeholders have.

*Question1*: Asked about the varied usability of their data

*Question2*: How recent is their data?

*Question3*: There is a perception that some data can be harmful if used by some users.

*Question4*: They have several datasets but they seem to be inter-related. Do they have a way of collecting it?

*Answer1*: The usability is varied .Resource inventories depend on the user.

*Answer2*: Data is timely depending on the usage. For example ecological program reports in every 3 months.

*Answer3*: Data is managed by stand-alone systems while in other cases is linked directly to GIS

### **3. METADATA by Mr Mwaio**

*Question1:* Why use latitude/longitude?

*Question2:* On the issue of scale why indicate since we all know in computer applications there is no defined scale

*Question3:* The costing of 3000/= is it per layer? Do you have any free data?

*Question4:* If I buy the data can I resell? How current is the Data?

*Answer1:* When you buy data you state that it is only for your use and do not resell

*Answer2:* The data is for the year 2003 and 2004

*Answer3:* Metadata is free and currently no free data

*Answer4:* The data is costing sh 3000 per layer that is 3square Km.

*Answer5:* The scale is at the capturing scale. For print out purposes the scale can be changed

### **4. RELATIONAL DATABASE by Asiele**

*Question1:* Can one use any other software other than ARCSDE

*Question2:* What made you use Oracle other than SQL or access? Why Oracle?

*Answer1:* Yes ARCSDE can communicate with other database management softwares

*Answer2:* So far Oracle is one of the best on offer and it has many capabilities

### **5. DIGITIZATION STANDARDS by kimothe**

*Question1:* How do all these fit together? (The catalogue, Database Management & the manuals)

*Question2:* What constitutes the manual? It seems they are just procedures. We need a practical example.

*Question3:* We need spatial reference table. Is it prepared by the software or does it come prepared?

*Question4:* You keep talking about small error of 0%. What does it mean? How possible is it to achieve 0% error?

*Answer1:* The manual is to assist you in database preparation so it should be used in map preparation.

*Answer2:* Spatial reference table comes as a prepared list

*Answer 3:* 0 percent error should be maintained for boundary and control points.

## **6. GIS TRAINING: by J.Odhiambo**

*Question1:* Most popular is the potential users course, are you able to assess whether maximum benefits or returns are attained?

*Question 2:* Do you have softwares availed to the trainees?

*Question3:* Which other open source softwares are available other than Q-GIS and ILWIS?

*Answer1:* The goal has been attained to bring more people onto the GIS Platform in order to realize the success of KNSDI.

*Answer2:* The participants were given 2 free softwares for GIS (Q-GIS & ILWIS).

*Anwer3:* There are other free softwares but cannot remember them off-head.

## **7. CLEARINGHOUSE. By T. muturi**

*Question1:* To create the confidence of the portal users, what are the security measures put in place?

*Question2:* In order to access the portal do I need a password to login?

*Answer1:* No data is kept in the GIS PORTAL so there is no security problem. Only the sample data and metadata resides there.

*Answer2:* Portal is accessible. For administrative purposes only the administrator needs a password to login.

## **8. DATA SHARING by Lucy Waruingi**

*Question1:* There is a perception that NGOs are only data Consumers and not builders. So how will they contribute to KNSDI?

*Question2:* what are the strategies on resolving conflict in data sharing because you talked about spatial data sharing as being more of relationships than technology?

*Answer1:* NGO'S do not just want data but they also give. Data is both give and take.

*Answer2:* In the exchange theory, it should be about metadata but there should be nominal elements charged at a low price.

## **9 DATA SHARING RCMRD EXPERIENCE by Byron Anangwe**

*Question1:* Since RCMRD is a regional organization will they incorporate the KNSDI standards or they have their own standards? Which country have they helped to come up with their own standards?

*Question2:* If country members have different standards how will they be incorporated into one standard?

*Question3:* you have a portal, how does one access it?

*Question4:* you use 3 different metadata standards. What are the efforts being made to make sure they are standardized?

*Question5:* What is RCMRD doing to develop KNSDI standards?

*Answer1:* Kenya standards are RCMRD standards. They will incorporate the KNSDI standards. They have been attending other related meetings for example The Land policy.

*Answer2:* There is a committee overseeing the data standards as related to ISO Standards.

*Answer3:* To get into our portal, just go Geo-Network and login

*Answer4:* Everyone is moving towards ISO

*Answer5:* RCMRD acts as an adviser to other member countries. For example they are in progress of assisting Malawi in coming up with their own standards.

### **DISCUSSION**

*Comment:* People should think of new ways to do business. Google services is one way of doing it since it's basically free and they are able to generate income.

In 1987 few people were on GIS but now we are talking about data sharing while then there was no data to talk about.

*Question1:* Is it conceivable to generate a series of products at 1 or 3 different for free so that it's available to public?

*Comment:* SOK is actually in the public domain. The golden chance was in the Media/Information bill. There was an effort to make information from public institutions freely available to the public. This also involves SOK data.

*Comment from Mr. Kariuki of Ministry of information and*

*Communication:* The information Bill has to do with making information from public institutions available to the public at no cost. So the only fee the institution will charge is just the

administrative fee. Why should the public be made to pay again for information they have already paid for? By disseminating the data to smaller companies there will be creation of jobs and wealth to the nation.

*Comment/question:* There should be an agreement to make basic data freely available even before the bill is passed. SoK should think of availing some data at a nominal charge. All should think of the basic data needed that can be made available to the public e.g. Wildlife information in some cases donors give grants to collect this information.

*Answer* from Mr. Wanyoike: SoK has been giving data almost free of charge. The only charge they do is to cover the cost of reproduction.

*Comment:* On the issue of pricing, as partners a policy should be prepared and a decision made. We should think of pricing, security and intellectual rights.

*Comment:* In USA they offer basic data free. In that regard, there is a bigger market for the same as compared to Europe where the policy is not as flexible as USA

*Comment:* How can City Council playing such an important role in spatial data be incorporated in KNSDI?

*Question:* Do we have a complete Kenyan standards document? Does it specify the ISO standards we are going to adopt?

*Question:* In the second seminar two KPGIS standards were ready, How far have we gone and are there updates?

*Comment:* KPGIS concerns working on graphics. It includes only six of the ISO standards extracted from over 40 ISO standards. So far no organization has been able to utilize all these. On coding, you will have to come up with new methods to use.

*Comment:* Yamada, normally in application of standards there is a problem in communication between project manager, operator, producer and users to user.

*Question:* what is being done on the existing data to conform it to the standards? Is DOD still restricting the purchase of topo-maps?

*Answer:* The restriction is still there and hopefully we will do away with it. The GIS section in SoK is working hand in hand with KNSDI to conform their data to standards.

*Comment:* The six standards should be effected and for all of us to conform and utilize them.

## **RESOLUTIONS**

They captured some contentious issues. They are:

- (1) Finalization of data capture manual
- (2) Users to apply the manual and give feedback on the same.
- (3) Finalize on policy in data costing.
- (4) Finalizing the Metadata standards
- (5) Finalize on the geospatial policy
- (6) Acquire domain E-mail address.
- (7) Improve on the internet connection

## **VOTE OF THANKS**

Mr. Owino thanked the participants for having well attended the occasion and impressed that the themes were well covered. The program was started in the year 2001 for formulating data standards. It is a good experience for various organizations and Kenyans are happy for data sharing. He was impressed that we are in the second phase of promoting use of GIS in the country.