



Closing Workshop Report

THE PROVISION OF TECHNICAL ASSISTANCE GDDS MODULE ON HEALTH

Prepared by:

Gareth Daniell

Prepared for:

**The World Bank, General Data Dissemination System,
Socio-Demographic Statistics Project for Anglophone
Africa
& all participating countries**

July 2009

Table of Contents

1. INTRODUCTION	3
2. ACTIVITIES DURING WORKSHOP	3
2.1 Day 1	3
2.2 Day 2	4
2.3 Day 3	4
3. ACKNOWLEDGEMENTS	5
4. ANNEXURES	6
4.1 Annexure 1: Agenda – Day 1	6
4.2 Annexure 2: Agenda – Day 2	7
4.3 Annexure 3: Agenda – Day 3	7
4.4 Annexure 4: Presentations	8

1. INTRODUCTION

Several African countries are under constant pressure to produce relevant up to date Health Statistics.

With financial support from the Department for International Development (DFID) of the United Kingdom, the World Bank is implementing a project to assist a number of Anglophone Africa countries to participate in the General Data Dissemination System (GDDS). Participating countries are being assisted to participate in the GDDS through two separate, but linked projects both financed by DFID. The IMF is providing project management and technical support in the area of economic and financial statistics. The World Bank is providing technical support in the area of socio-demographic statistics.

A closing workshop was held from 9th July to 11th July to discuss the experiences of the participating countries and determine the next steps for each country.

Representing the GDDS project and The World Bank was:

- Mr. Ronald Luttikhuizen
- Mr. Oliver Chinganya

The following countries were represented at the closing workshop:

- Lesotho
- Mauritius
- Sudan
- Tanzania

Representing the consultants was:

- Dr. Arthur Haywood
- Mr. Etienne de Fortier
- Mr. Gareth Daniell

2. ACTIVITIES DURING WORKSHOP

2.1 Day 1

The day started off with a welcoming by Mr. Ronald Luttikhuizen. Thereafter, each country gave a presentation on their experiences until now. Dr. Arthur Haywood responded with comments on the status in Mauritius, while Mr. Gareth Daniell responded on the status in Lesotho and Sudan.

The result of the day focused on presentations by medical expert Dr. Arthur Haywood.

After each presentation there was time for a discussion chaired by either Mr. Ronald Luttikhuizen or Mr. Oliver Chinganya. The questions were captured live on the screen and can be found in the Annexure. Some of the questions included:

1. Are there any standard health management procedures?
2. Is there a metadata dictionary available?
3. Is there regulation that enforces private doctors to report?
4. How can we motivate data producers to provide data?
5. How are other countries performing on community HMIS?
6. Is there an electronic medical record system for hospitals ?
7. Can one establish a HIS that encourages flow of information from village to national level?

Mr. Ronald Luttikhuizen briefly highlighted the importance of processes in health statistics and in general.

2.2 Day 2

The day started off with Mr. Ronald Luttikhuizen recapping the previous day's discussion on processes and elaborating thereon. A question was raised about the difference between a *process*, *procedure* and *methodology* and a very useful group discussion followed and the group collectively discussed and defined these terms.

Thereafter the second day focused on Information Technology and ICT tools available to the countries with specific emphasis being placed on data warehouses and Health Statistics. Presentations were made by Mr. Gareth Daniell on ICT Tools and Health Data Warehouses and Mr. Etienne de Fortier on GIS in the context of Health Statistics.

After each presentation there was a group discussion chaired by either Mr. Ronald Luttikhuizen or Mr. Oliver Chinganya. The questions and answers did not take the form of a round of questions being collected and then answered, but were instead asked and answered interactively. Sometimes the answers led onto more questions, and for this reason the questions and answers were not captured live on the screen. Topics and questions discussed included:

1. Sources of Data
2. Examples of data warehouses
3. Differences between data warehouse and data mart
4. Open Source vs Free software
5. Costs of maintaining (not just implementing) a data warehouse
6. Examples of ICT processes in collecting and disseminating health statistics – identified some of the processes used to currently collect data, even though they aren't formalised
7. Who should own the GIS database and why it's better for a centralised GIS system
8. GIS successes, especially with regards to a country's census
9. Interoperability of GIS database and health stats data warehouse – In particular the option to use GIS system's as a base for data warehousing

2.3 Day 3

The final day consisted of the countries presenting their plans for the future and group discussions as questions arose.

Lesotho:

Lesotho is nearly done with the implementation phase of their data warehouse and will be sending their ICT specialist through to South Africa for some final assistance. Once the system is complete it will be rolled out to a nearby district for pilot purposes and once tested will be made available to the whole country. Future plans include rolling enhanced data warehouse functionality to the districts.

It was agreed that the consultant would assist with the completion of the Lesotho data warehouse. This data warehouse will be made available to other countries along with a document explaining what needs to be done and what the requirements are in order to implement one's own data warehouse using Lesotho's data warehouse as an example.

Sudan:

The functional specification already delivered to them will be finalized and then Sudan will use the data warehouse created by Lesotho as an example and implement their own data warehouse. Sudan has a specific need for a user-friendly dashboard for their management staff. They're evaluating several dashboard options, and they could even implement their own once the data warehouse is completed.

Mauritius:

Mauritius will use the documentation from Lesotho and Sudan and the data warehouse from Lesotho as an example and base from which to implement their own data warehouse. Mauritius would also like to include GIS data in their data warehouse. It was also discovered that the countries don't actually need an off-the-shelf meta data dictionary since it wouldn't satisfy their needs.

Tanzania:

Tanzania was faced with several challenges and could not fully participate in the implementation of the GDDS project. They will be afforded the option of access to the documents and applications created by Lesotho and Sudan though so that they may implement a data warehouse themselves. Tanzania is also considering subscribing to the SDDS instead of GDDS.

Some countries asked for further assistance, but it was understood that this was a closing workshop for the current project and it was not correct forum to discuss these options. Mr. Ronald Luttikhuizen may however be in touch with the countries for future projects, but further technical assistance was most likely not possible in the scope of the current project. The countries were also welcomed to contact the consultants that were present in their own capacity without assistance from The World Bank.

The country representatives also gave feedback about the GSS project as a whole by answering questionnaire's and the day was wrapped up with Mr. Ronald Luttikhuizen presenting the GDDS website.

3. ACKNOWLEDGEMENTS

The consultants would like to thank everyone involved in General Data Dissemination Standards project and The World Bank for sponsoring the consultancies as well as the closing workshop.

A special word of thanks goes out to the countries that were visited during the course of the consultancies for making the consultant's visit as pleasant and productive as possible.

4. ANNEXURES

4.1 Annexure 1: Agenda – Day 1

09:00 – 09:15	Opening and Welcome
09:15 – 09:30	Introduction to the agenda for the Closing workshop, by Ronald Luttikhuizen
09:30 – 11:00	Presentation by the countries of their experience
11:00 – 11:30	Break
11:30 – 12:00	Discussion about the country presentations
12:00 – 12:45	The Health Statistics Frameworks and the choices to be Made – Dr. Arthur Haywood
12:45 – 13:00	List of questions
13:00 – 14:00	Lunch
14:00 – 14:45	Health Statistics and some key topics – Dr. Arthur Haywood
14:45 – 15:00	Questions
15:00 – 15:30	Break
15:30 – 16:15	Presentation by the expert of Health Statistics – Dr. Arthur Haywood
16:15 – 17:15	Plenary group discussion about questions raised
17:15 – 17:45	Concluding remarks by Health Expert

4.2 Annexure 2: Agenda – Day 2

09:00 – 09:30	Opening & Presentation on statistical activities and Processes – Mr. Ronald Luttkhuizen
09:30 – 10:15	General ICT Presentation with emphasis on data management - Mr. Gareth Daniell
10:15 – 10:30	Questions
10:30 – 11:00	Break
11:00 – 11:40	Data warehouse presentation using Lesotho as a case study - Mr. Gareth Daniell
11:40 – 12:00	Listing Questions
12:00 – 12:30	Plenary discussion
12:45 – 14:00	Lunch
14:00 – 14:45	GIS presentation with emphasis on health – Mr. Etienne de Fortier
14:45 – 15:30	Discussion
15:30 – 16:00	Break
16:00 – 17:00	Group Discussion on questions raised

4.3 Annexure 3: Agenda – Day 3

09:00 – 09:15	Opening
09:15 – 11:15	Presentation by Countries of their plans for the future with discussion
11:15 – 11:30	Break
11:30 – 12:00	Questionnaires
12:00 – 12:30	Presentation of the GDDS website – Mr. Ronald Luttkhuizen
12:45 – 14:00	Lunch & Depart

4.4 Annexure 4: Presentations

Filename	Description
Questions Day 1.pptx	Questions and answers captured during day one
D1_P1_GDDS lesotho_experiences.ppt	Lesotho's presentation of experience until now
D1_P2_Mauritius gdds.pptx	Mauritius' presentation of experience until now
D1_P3_Sudan presentation Introductory (1).pptx & D1_P4_Sudan_fUTURE PLAN OF HIS.ppt	Sudan's presentation of experience until now
D1_P5_Tanzania GDDS Presentation in Pretoria.ppt	Tanzania's presentation of experience until now
D1_P6_Country Presentations - Response.ppt	Response by Mr. Gareth Daniell on presentations
D1_P7_MU_HISAss_Jun09.ppt	Presentation by Dr. Arthur Haywood on HIS Assessment and strategic Planning
D1_P8_WB_Technical Presentation on HMN Framework.pptx	Presentation by Dr. Arthur Haywood on HMN Framework

Filename	Description
D2_P1- General Overview.ppt	Presentation by Mr. Gareth Daniell about ICT Tools in general with a focus on Data Warehousing
D2_P2- Country DWs - Part 1.ppt & D2_P3- Country DWs - Part 2.ppt	Presentation by Mr. Gareth Daniell on a Health Data Warehouse and a case study using Lesotho as an example.
D2_P5- GIS AND HEALTH.ppt	Presentation by Mr. Etienne de Fortier about GIS and how it can be used in the area of Health statistics

Filename	Description
D3_P1_Sudan_presentation_Introductory.ppt D3_P2_SUDAN_FUTURE PLAN OF HIS.ppt	Presentation by Sudan on their plans for the future
D3_P3_GDDS_TANZANIA_Presentation Pretoria Way Forward.ppt	Presentation by Tanzania on their plans for the future
D3_P4_GDDS_LESOTHO_Pretoria_Way_forward.ppt	Presentation by Lesotho on their plans for the future
D3_P5_Mauritius gdds futute plan.ppt	Presentation by Mauritius on their plans for the future