



Southern African Development Community



European Development Fund



**Promotion of Regional Integration (PRINT)
in the SADC Livestock Sector**

9 ACP SAD 002

LIMS Adoption Mission to Swaziland

By

**W.N. Madzima
G. Oosterwijk**

23 September – 1 October 2008

PRINT Report Nr: WM/GO-01-09/2008

Project Management Unit
PRINT Livestock Project
SADC Secretariat
Private Bag 0095
Gaborone, Botswana
Tel: +267 395 9838
Fax: +267 395 9834

1. Introduction

The purpose of the mission was to launch the Livestock Information Management System (LIMS) as part of a roll-out plan to SADC Member States during the period July to December 2008.

The LIMS Adoption Mission to Manzini, Swaziland was carried out by Dr. Welbourne Madzima (Project Coordinator) and Mr. Gerard Oosterwijk (Training Specialist) from 23 September to 1 October 2008.

This followed the basic structure of a prototype LIMS Adoption Mission comprising:

- A one-day Stakeholder Workshop for identified livestock personnel in the public and private sectors; including representatives of farmers' unions / associations, marketing and processors of livestock and livestock products, National Statistical Office, Economics & Marketing Units in Ministry of Agriculture.
- A three-day Training of Trainers Course for ca. 10 personnel in the Ministry of Agriculture involved in the collection and processing of data on Animal Production, Animal Health, Livestock Marketing & Trade.
- Collection of retrospective livestock data, available publications and current legislation in the livestock sector.
- Formation of a provisional National Taskforce for LIMS.
- Meetings with Senior Officials in Ministry of Agriculture and National Statistical Office.

2. ITINERARY

Day	Dates	Itinerary
1	Tuesday, 23 September 2008	Travel from Gaborone to Manzini, Swaziland
2	Wednesday, 24 September 2008	Preparations for Stakeholder Workshop, Manzini
3	Thursday, 25 September 2008	LIMS Stakeholder Workshop, Manzini
4	Friday, 26 September 2008	LIMS Training of Trainers, Manzini
5-6	27 – 28 September 2008	Weekend & preparations for Training, Manzini
7	Monday, 29 September 2008	LIMS Training of Trainers, Manzini
8	Tuesday, 30 September 2008	LIMS Training of Trainers, Manzini Meeting key persons, Mbabane
9	Wednesday, 01 October 2008	Travel back from Swaziland to Gaborone

3. Stakeholder Workshop

The "LIMS Swaziland Chapter" was launched 25 September 2008 by Mr. Sipho Nxumalo, Under Secretary (PAD), Ministry of Agriculture & Cooperatives during a Stakeholder Workshop which was attended by a wide cross-section of agricultural personnel.

In his address (see speech, annex 1), the Under Secretary highlighted that LIMS was a component of the SADC Agricultural Information Management System (AIMS) and also referred to the Dar es Salaam Declaration on Agriculture and Food Security at the Extra Ordinary Summit of SADC Heads of State and Government which recognized that sustainable food security depends on policy decisions based on

quality information. He further re-iterated that LIMS is the beginning of a process that will integrate and rationalize the various agricultural sub-sector information systems into an effective, efficient and coherent system towards supporting the revitalisation of agricultural growth, enhancing food security and promoting rural development.

Presentations on the SADC PRINT Livestock Project and its Livestock Information Management System (see program workshop, annex 2) appear to have been well received judging by the amount of discussion generated. The LIMS brochure and other visibility items were distributed to the 40 participants of the Stakeholder Workshop (see list of participants, annex 4).

Mr. Tembiinkosi Ngubane, Senior Livestock Officer, was chosen as the convener of the National Taskforce for LIMS to be in place by December 2008, and an outline of its composition was discussed.

Fig 1: Participants of LIMS Stakeholder Workshop at Esibayeni Lodge on 25/11/08, Manzini



4. Training of Trainers Course

The Training of Trainers Course was held at Esibayeni Lodge, Manzini on 26, 29 and 30 September 2008 for 10 participants (see annex 3 for training program and annex 5 for the list of participants).

The LIMS application was generally perceived as being user-friendly although still requiring fixing of a few bugs. Similarly, the templates were well received. However, it was observed that additional support was expected from the PRINT Livestock Project in order to roll-out LIMS to provinces and districts before any meaningful data collection can be expected.

There is a need to reconcile Partition Levels as Swaziland recognizes four Regions and 28 Districts; whereas the LIMS Application recognizes four districts only and no Regions.

Fig 2: Participants of the LIMS Training Session at Esibayeni Lodge, Manzini



5. Collection of Retrospective Livestock Data and Documents

Retrospective Animal Health, including livestock census data is available and has since 1996 been routinely made available through Sub Committee on Epidemiology & Informatics and since June 2007 directly to SADC Secretariat. However, compilation and distribution of livestock census data was subject to unnecessary delays. In addition, the need for better data exchange was mutually expressed between the Department of Veterinary and Livestock Services and the National Statistical Office.

In contrast, data in Animal Production was not easily accessible partly due to the lack of a systematic programme for its collection and processing.

6. Meetings with Senior Officials (Mbabane)

No	Date	Meeting	Purpose
1	30/09/2008	Dr. R.S. Thwala, Permanent Secretary, Ministry of Agriculture & Cooperatives	Explain LIMS mission
2	30/09/2008	Dr. R.X. Dlamini, Acting Director of Veterinary Services	Report on just ended Training of Trainers Course
3	30/09/2008	Mr. A. Zwane, Principal Statistician, National Statistical Office amzwane@yahoo.com	Introduce LIMS and confirm central role of NSO in Government information and seek support for networking of an Information Taskforce in Swaziland.
		Mr. F. Mhlana, Assistant Statistician, National Statistical Office fortunemhlana@yahoo.co.uk	

7. Conclusions and Recommendations

The initial training provided by the three-day Training of Trainers Course may need to be followed by a refresher course at SADC Secretariat for two participants per Member State, once all the bugs in earlier versions of the LIMS Application have been fixed.

There is also a glaring need for a follow-up programme to roll-out the LIMS Application and Templates to Districts.

Annex 1: Opening Address and Launch of LIMS, 25 September 2008, Manzini

REMARKS BY THE PRINCIPAL SECRETARY IN THE MINISTRY OF AGRICULTURE AND COOPERATIVES DR. R.S. THWALA AT THE OFFICIAL OPENING AND LAUNCHING OF THE LIVESTOCK INFORMATION MANAGEMENT SYSTEM (LIMS) AND STAKEHOLDERS WORKSHOP, ESIBAYENI LODGE, SEPTEMBER 25, 2008

**MASTER OF CEREMONIES
SADC PRINT PROJECT STAFF
SENIOR GOVERNMENT OFFICIALS
PRIVATE SECTOR REPRESENTATIVES
DISTINGUISHED GUESTS
LADIES AND GENTLEMEN**

GREETING

- **FROM THE ONSET, I WOULD LIKE TO THANK GOD THE ALMIGHTY FOR AFFORDING ALL OF US THE SPLENDID OPPORTUNITY TO BE PRESENT HERE ON THIS DAY**
- **FURTHERMORE, I TAKE THIS OPPORTUNITY TO EXPRESS MY GRATITUDE AND SINCERE APPRECIATION FOR THE KIND INVITATION EXTENDED TO ME TO OFFICIATE AT THIS OCCASION LAUNCHING THE LIVESTOCK INFORMATION MANAGEMENT SYSTEM (LIMS) AND STAKEHOLDER WORKSHOP**
- **IT IS WITH A GREAT SENSE OF SATISFACTION THAT AS STAKEHOLDERS OF THE LIVESTOCK INDUSTRY WE ARE GATHERED HERE TODAY TO WITNESS THE BIRTH OF A LIVESTOCK INFORMATION MANAGEMENT SYSTEM (LIMS) UNDER THE SADC PROJECT THE PROMOTION OF REGIONAL INTERGRATION (PRINT) IN THE LIVESTOCK SECTOR. THIS IS PART OF THE REGIONAL AGRICULTURAL INFORMATION MANAGEMENT SYSTEM (AIMS) PROJECT.**

POLICY ISSUES

- **IT IS IMPORTANT TO NOTE THAT THE LIMS PROJECT RESULTED FROM THE DAR-ES-SALAAM DECLARATION ON AGRICULTURE AND FOOD SECURITY, AT THE EXTRA ORDINARY SUMMIT OF SADC HEADS OF STATE AND GOVERNMENTS IN 2004. AT THIS SUMMIT IT WAS RECOGNIZED THAT SUSTAINABLE FOOD SECURITY DEPENDS ON POLICY DECISIONS BASED ON QUALITY INFORMATION.**
- **IN PERSUANCE OF THE ABOVE, THE SADC SECRETARIAT IS IN THE PROCESS OF ESTABLISHING AN AGRICULTURAL INFORMATION SYSTEM (AIMS) IN ORDER TO IMPROVE CAPACITY FOR DATA COLLECTION, ANALYSIS, AND SHARING OF AGRICULTURAL INFORMATION BETWEEN SADC MEMBER STATES.**
- **CERTAINLY, THE TRANSFORMATION OF THE LIVESTOCK SECTOR CAN NOT BE ACHIEVED WITHOUT A CLEAR GOVERNMENT VISION OF THE FUTURE.**
- **THAT VISION IN THIS COUNTRY IS WELL ARTICULATED IN THE LIVESTOCK DEVELOPMENT POLICY OF 1995. HERE THE POLICY GOALS FOR THE DEVELOPMENT OF THE LIVESTOCK SECTOR ARE CLEARLY STATED TOGETHER WITH THE POLICY GUIDELINES AND THE STRATEGIES TO BE APPLIED IN PURSUIT OF THESE GOALS.**
- **TODAY'S LAUNCH OF THE LIVESTOCK INFORMATION MANAGEMENT SYSTEM IS PART OF THE OVERALL STRATEGY TO HELP SWAZILAND ACHIEVE A SUSTAINABLE LIVESTOCK INDUSTRY. THIS IS THE BEGINNING OF A PROCESS THAT WILL INTERGRATE AND RATIONALISE THE VARIOUS AGRICULTURAL SUB-SECTOR INFORMATION SYSTEMS INTO AN EFFECTIVE, EFFICIENT AND COHERENT SYSTEM TOWARDS SUPPORTING THE REVITALISATION OF AGRICULTURAL GROWTH, ENHANCING FOOD SECURITY AND PROMOTING RURAL DEVELOPMENT.**

- PARAMOUNT TO THE DESIRED TRANSFORMATION OF THE LIVESTOCK SECTOR IS THE REALIZATION OF THE COLLECTIVE RESPONSIBILITY OF ALL STAKE-HOLDERS FOR THE PURPOSE. IN THIS REGARD I NOTE AND APPRECIATE VERY MUCH THE POSITIVE RESPONSE OF THE DIVERSE PARTICIPANTS IN TODAY'S WORKSHOP.
- I AM RELIABLY INFORMED THAT PARTICIPANTS HAVE BEEN DRAWN FROM A WIDE AND DIVERSE FIELD TO DELIBERATE ON TODAY'S PROCEEDINGS. I IMPORE PARTICIPANTS TO ROBUSTLY AND VIGOROUSLY DEABATE TODAY'S PROCEEDINGS. PIVOTAL IS OUR SHARED COMMON GOAL OF IMPROVED LIVESTOCK INFORMATION MANAGEMENT AND DISSEMINATION, WHICH CONSTITUTES THE BROADER OBJECTIVES OF THE PRINT IN THE ENHANCEMENT OF PRODUCTIVITY AND TRADE FLOWS IN THE SADC LIVESTOCK SECTOR
- NO DOUBT THE FINAL OUTCOME IS OF IMMENSE IMPORTANCE AND HIGHLY DESIRABLE IN THE SERVICES WE RENDER TO THE LIVESTOCK SECTOR. IN THIS REGARD, I TAKE THE OPPORTUNITY TO EXPRESS THE MOAC'S SINCERE APPRECIATION.
- WHILE WE PASSIONATELY APPLAUD THE ESTABLISHMENT AND LAUNCH OF THE LIMS, I URGE ALL CONCERNED TO PERCEIVE THIS FACILITY AS A FOCAL POINT AND CATALYST FOR DEVELOPMENT OF THE LIVESTOCK SECTOR. AS WELL ASA PRO-ACTIVE STRATEGIC MITIGATION AGAINST THE DEMANDS OF GLOBALISATION OF THE WORLD ECONOMY AND TRADE
- THE ESTABLISHMENT OF LIMS WOULD ADDRESS IN PARTICULAR, THE LACK OF RELIABLE INFORMATION ON ANIMAL HEALTH AND DISEASE RISK, MARKETING OPPORTUNITIES FOR TRADE, MARKETING INFRASTRUCURE AND OF LIVESTOCK INPUTS AND OUTPUTS. FURTHERMORE THE PROJECT WILL ASSIST US AS A NATION ON LIVESTOCK PRODUCTION AS WELL AS ENSURE THAT INFORMATION OBTAINED IS BASED ON QUALITY DATA TO PORTRAY THE HIGHEST LEVEL OF ACCURACY AND VALIDITY FOR RELIABILITY.
- TODAY'S LAUNCH IS COMPLIMENTARY TO OTHER ON-GOING INITIATIVES SUCH AS THE LIVESTOCK IDENTIFICATION PROGRAMME WHICH HAS EMPHASIS ON TRACEABILITY, AN ESSENTIAL REQUIREMENT FOR TRADE ACTIVITY AND THE PROGRAMME ON MANAGEMENT OF FARM ANIMAL GENETIC RESOURCES WITH EMPHASIS ON POPULATION HERD DYNAMICS FOR THE VARIOUS LIVESTOCK GENOTYPES, THEIR COMPOSITION AND CONSERVATION THROUGH UTILIZATION, TO NAME BUT A FEW.
- THE LIVESTOCK INFORMATION MANAGEMENT SYSTEM HAS COME INTO BEING WITH GENEROUS SUPPORT OF THE EUROPEAN UNION AND IMPLEMENTED THROUGH THE FOOD, AGRICULTURE AND NATURAL RESOURCES DIRECTORATE (FANR) OF THE SADC THROUGH ITS PROGRAMME ON REGIONAL INTEGRATION (PRINT).
- IN ENSURING CONTINUOUS IMPROVEMENT OF REPORTING FORMATS AND REPORTING PROCEDURES FOR LIVESTOCK INFORMATION THE PROGRAMME ON REGIONAL INTERGRATION HAS PROVIDED HUMAN RESOURCE CAPACITY BUILDING WITHIN THE DEPARTMENT OF VETERINARY AND LIVESTOCK SERVICES IN VARIOUS ASPECTS. PRINT FURTHER PROVIDED THE MUCH NEEDED INFRASTRUCTURAL CAPACITY FOR THE ESTABLISHMENT OF THE LIVESTOCK MANAGEMENT INFORMATION SYSTEM
- IN THIS REGARD, I WISH TO ONCE AGAIN REITERATE GOVERNMENT'S PROFOUND APPRECIATION OF THE CONTINUING SUBSTANTIVE SUPPORT AND COOPERATION OF EUROPEAN UNION AND PRINT IN THE AGRICULTURAL DEVELOPMENT OF OUR COUNTRY.
- I WOULD LIKE TO ASSURE THE SADC PRINT PROJECT TEAM AND STAKEHOLDERS THAT SWAZILAND TAKES A SERIOUS AND PURPOSEFUL VIEW OF THE LIMS. OUR ABILITY TO PROVIDE LIVESTOCK CENSUS DATA SURPASSES THAT OF MANY

COUNTRIES IN THE REGION, SO IS OUR INFRASTRUCTURE AND SYSTEMS TO DETECT IMPORTANT ANIMAL HEALTH PROBLEMS BY LOCATION AND TIME. THE RECENT RIFT VALLEY FEVER (RVF) OUTBREAK AND SUBSEQUENT CONTROL BEARS TESTIMONY TO OUR CAPACITY.

- HOWEVER, I WOULD LIKE TO ACKNOWLEDGE THAT WE FACE CHALLENGES WITHIN THE LIVESTOCK SECTOR AMONGST THEM THE RECURRENT DROUGHTS AND STOCK FEEDS SHORTAGE
- IN LINE WITH REGIONAL OBJECTIVES, THE MOAC IS PRESENTLY IN THE PROCESS OF REVITALISING ITS AGRICULTURAL INFORMATION SYSTEM AND WILL OBVIOUSLY BENEFIT A GREAT DEAL FROM THE LIMS. I STRONGLY URGE STAKEHOLDERS IN THE LIVESTOCK SECTOR TO TAKE ADVANTAGE OF THE LIMS AND ULTIMATELY AIMS FOR LOCAL USE AND FOR THE PROMOTION OF REGIONAL INTEGRATION, ECONOMIC DEVELOPMENT AND POVERTY REDUCTION IN SADC.

CONCLUSION

- IN CONCLUSION, LET ME THANK YOU ALL FOR THE TIME YOU HAVE TAKEN TO JOIN US IN THIS VERY IMPORTANT OCCASION INSPITE OF YOUR VERY BUSY SCHEDULES. YOUR PRESENCE IN THIS MEETING SHOWS THE IMPORTANCE YOU ALL ATTACH TO THE LIVESTOCK INDUSTRY AND YOUR VERY GOOD INTENTIONS TO HELP IN ADVANCING THE LIVESTOCK SECTOR.
- IT IS NOW MY SINGULAR HONOUR AND PLEASURE TO DECLARE THE WORKSHOP ON LIVESTOCK INFORMATION MANAGEMENT SYSTEM OFFICIALLY OPENED AND PRONOUNCE LIMS OFFICIALLY LAUNCHED IN THE KINGDOM OF SWAZILAND.

GOD BLESS YOU ALL!!!

I THANK YOU

Annex 2: Program LIMS Stakeholder Workshop, 25 September, Manzini



SADC/FANR/PRINT Livestock Project The Livestock Information Management System (LIMS) Program Stakeholder Workshop, 25 September 2008 Esibayeni Lodge, Manzini, Swaziland

08:00 – 08:30 Arrival & Registration

08:30 – 08:45 Introductions & Welcoming Remarks: Director of the Veterinary Services

08:45 – 09:15 Opening Address and Launch of LIMS: Permanent Secretary, Ministry of Agriculture & Cooperatives

09:15 – 09:45 Tea/Coffee Break

09:45 – 10:15 Background of AIMS/LIMS Portal - Dr. W. Madzima

10:15 – 10:30 Discussions

10:30 – 11:00 Introduction to LIMS – Mr. G. Oosterwijk

11:00 – 11:15 Discussion

11:15 – 12:15 Demonstration of the LIMS templates - Dr. W. Madzima

12:15 – 12:30 Discussion

12:30 – 13:00 Demonstration of LIMS database – Mr. G. Oosterwijk

13:00 – 14:00 LUNCH

14:00 – 14:30 Demonstration of LIMS database (Cont.) – Mr. G. Oosterwijk

14:30 - 15:00 Demonstration of LIMS Portal - Dr. W. Madzima

15:00 – 15:15 Discussion

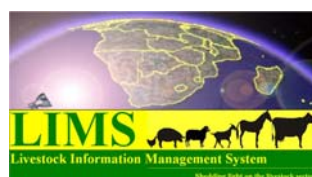
15:15 – 15:45 Tea/Coffee Break

15:45 – 16:15 Data sources and networking with stakeholders – Dr. W. Madzima

16:15 – 17:00 Discussion

17:00 Closure

Annex 3: Timetable for Training on the LIMS templates and application



**SADC PRINT Livestock Project in collaboration with the Ministry of Agriculture
& Cooperatives of the Kingdom of Swaziland**

**PROGRAMME FOR LIMS TRAINING OF TRAINERS
26, 29 and 30 September 2008, Venue – Esibayeni Lodge, Manzini**

DAY 1 – Friday 26 September 2008

8:00 – 8:15	Introduction - Training objectives
8:15 - 9:00	Installation <ol style="list-style-type: none">1. First time installation2. Key files and folders3. Uninstalling4. Re-installing
9:00 – 10:30	Basic concept of LIMS operation <ol style="list-style-type: none">1. Opening, navigation and closing the application2. Menu and sub-menu structure
10:30 – 11:00	TEA BREAK
11:00 – 11:30	Basic concept of LIMS operation (Continued) <ol style="list-style-type: none">3. Standard tool bar and other GUI
11:30 – 12:00	Administration: Access Control <ol style="list-style-type: none">1. Creating users2. Assigning roles and granting rights
12:00 – 12:30	Data entry, modification and saving <ol style="list-style-type: none">1. Livestock numbers and composition (Module 1)
12:30 – 14:00	LUNCH
14:00 - 14:30	Data entry, modification and saving (continued) <ol style="list-style-type: none">2. Livestock numbers and composition (Module 1)
14:30 – 15:30	<ol style="list-style-type: none">3. Livestock Products (Module 3)
15:30 – 16:00	<ol style="list-style-type: none">4. Livestock Trade (Module 5) <p>(Tea or drinks will be served)</p>

DAY 2 – Tuesday 29 September 2008

8:00 – 9:00	Revision of day 1 - Discussion
9:00 – 10:30	Data entry, modification and saving (continued) <ol style="list-style-type: none">1. Livestock Infrastructure (Module 6)

10:30 – 11:00	TEA BREAK
11:00 – 11:30	Data entry, modification and saving (continued) 2. Meat Inspection (Module 7)
11:30 – 12:30	Data entry, modification and saving (continued) 3. Laws, regulations and acts (Module 9) Data entry, modification and saving (continued) 4. Disease Report (Module 10)
12:30 – 14:00	LUNCH
14:00 – 16:00	Building queries, generating reports and exporting query results 1. Livestock numbers and composition (Module 1) 2. Livestock Products (Module 3) 3. Livestock Trade (Module 5) (Tea or drinks will be served)

DAY 3 – Wednesday 30 September 2008

8:00 – 9:00	Revision of day 2 - Discussion
9:00 – 10:30	Building queries, generating reports and exporting query results (continued) 3. Meat Inspection (Module 7) 4. Disease Report (Module 10)
10:30 – 11:00	TEA BREAK
11:00 – 11:30	Building queries, generating reports and exporting query results (continued) 5. Disease Report (Module 10) Cont.
11:30 – 12:30	Data exporting for further analysis
13:00 – 14:00	LUNCH
14:00 - 15:30	Administration 1. Data Management: sending and receiving files (electronic reports) 2. Data Management: backup and restore
15:30 – 16:00	General Discussion (Tea or drinks will be served)
	Installation and configuration of clean copy of the database
	End of training course

ANNEX 4: SWAZILAND PRINT LIMS ADOPTIONS MISSION - DEPARTMENT OF LIVESTOCK SERVICES
PARTICIPANTS STAKEHOLDER WORKSHOP, 25TH SEPTEMBER 2008, ESIBAYENI LODGE, MANZINI, SWAZILAND

	<i>NAME</i>	<i>G</i>	<i>DoB</i>	<i>Designation</i>	<i>Organisation</i>	<i>Address</i>	<i>Phone (268)</i>	<i>Email</i>
1	Shongwe Sipho Johane	M	30.11.1955	Manager	Swaziland Livestock Tech. Services	P. O.Box 294 Eagles Road	5055763	siphoshongwe@swazi.net
2	Dr. Gumede Nicholas Thulasizwe	M	24.04.1943	Independent Consultant	Ecosmart Industries SWD Pty Ltd	P. O. Box 1498 Matsapha	5185086 / 6368843 6020690	snekgumede@hotmail
3	Ginindza Choice	M	01.06.1965	Agricultural Statistician	Central Statistician Office	P. O. Box 456 Mbabane	404 2151/4 603 0978 Fax: 404 3300	cginindza@yahoo.co.uk statistics@africaonline.co.sz
4	Dr. Mcebo Edwirn	M	07.03.1973	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 44, S400 Nhlengano	518 4033 / 2079916 6083698	mcebodlamini@yahoo.com
5	Dr. Zizwe Muzi Cindzi	M	02.03.1972	Veterinary Officer	Ministry of Agriculture & Cooperatives	P.O. Box 4192 Manzini	505 2113 / 605 3774 Fax: 5056443	zizwecindzi@yahoo.com zmcindzi@swazi.net
6	Dr. Mdluli Sihle	F	27.05.1974	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O Box 4192 Manzini	505 6443 / 608 5133 Fax: 505 6443	epiunit@africaonline.co.sz runny55@yahoo.com
7	Dr. Ndlangamandla Thembinkosi	F	14.1.1974	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 3929 Manzini	404 2167 / 6241934	thembiemutngwa@yahoo.com
8	Dr. Ronnie Nxumalo	M	15.03.1954	Senior Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731/9 606 8920 Fax: 404 9802	nxumaloro@gov.sz
9	Mhlongo Sazi Muzi	M	27.08.1971	Ranch Management Officer	Ministry of Agriculture & Cooperatives	P. O. Box 30 Manzini	505 9147/9 611 8753 Fax: 505 6443	szmhlongo@yahoo.com
10	Dr. Mlangeni Cecilia Zandile	F	14.06.1970	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4192 Manzini	505 2270 / 608 0891 Fax: 505 6443	ceciliazandi@yahoo.co.uk
11	Kunene Thembinkosi Ticky	M	02.04.1969	Regional Animal Husbandry Officer	Ministry of Agriculture & Cooperatives	P. O Box 43 Siteki	343 5630 / 607 4901 Fax: 343 4266	tickykun@hotmail.co
12	Dr. Dlamini Bernard	M	09.08.1959	Senior Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 446 Manzini	518 4033 / 603 8716 Fax: 5190069	simunyemeats@smi.co.sz
13	Khumalo Luyanda Themba	M	08.08.1972	Range Management Officer	Ministry of Agriculture & Cooperatives	P. O. box 30 Manzini	5059147/8 642 5475	topsgelekece@yahoo.com
14	Magagula Freeman	M	04.02.1968	Epidemiology	Ministry of Agriculture	P. O. Box 4192	505 6443 / 505 2113	epiunit@africaonline.co.sz

				Technician	& Cooperatives	Manzini	661 0903	
15	Sihlongonyane Dumsani	M	17.11.1953	Fattening Ranch Officer	Ministry of Agriculture & Cooperatives	P. O. Box 30 Manzini	505 9147 / 623 2419	N/A
16	Simelane Londiwe	F	20.06.1964	Livestock Extension Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4719 Manzini	505 3760 / 550 8075 608 6300	mlonzi@yahoo.com
17	Ngozo Thuli V.	F	03.03.1956	Animal Husbandry Officer (Marketing)	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731 / 611 4239	ngofov@gov.sz
18	Dube Duke	M	16.10.1946	Farmer	Power Team Feedlotter's Association	P. O. Box 1614 Manzini	548 0251 / 605 9116	N/A
19	Mdluli Sibonginkhosi Parker	M	12.06.1976	Veterinary Field Technician	Ministry of Agriculture & Cooperatives	P. O. Box 4192 Manzini	505 6443 Fax: 5056443	N/A
20	Dlamini Wilson	M	N/A	Livestock Manager	TisukaTakaNgwane	P. O. Box 1385 Manzini	518 4516 / 602 1812 Fax: 518 4391	wdlamini@swazi.net
21	Sikhondze Wilson	M	1962	Senior Agricultural Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731 / 604 2027 Fax: 404 1733	sikhondzew@yahoo.co.uk sikhondzew@gov.sz
22	Dr. Shongwe Nhlanhla	M	26.09.1962	Regional Veterinary Officer	Ministry of Agriculture & Cooperatives	P.O. Box 43 Siteki	343 4268 / 606 8702 343 4665	shongwenhlanhla@yahoo.co.sz
23	Dr. Chikuni Noel Elisha	M	17.08.1975	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 43 Siteki	343 4268 / 655 6552 Fax: 343 4665	noelelisha@yahoo.co.uk
24	Ngubane Thembinkosi Patrick	M		Animal Scientist	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 9803 / 615 8250 404 9802	ngubaneth@gov.sz
25	Dr. Dube Mzwandile	M	13.01.1975	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4192 Manzini	505 2204 / 641 4767 Fax: 504 6443	mngobil@yahoo.com
26	Ndzimandze Shadrack	M	28.05.1956	Photo Journalist	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 6362 / 622 2641	N/A
27	Simelane Sipho Emanuel	M	22.11. 1952	Seeds Registrar	Ministry of Agriculture & Cooperatives	P. O. Box 4 Malkerns	527 4054 / 603 7140	N/A
28	Dr. Simelane Bheki	M	29.06.1963	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 11 Nhlangano	207 8368 Fax: 207 7151	bheki24@hotmail.com
29	Mnguni Janet	F	22.09.1954	Senior Poultry Officer	Ministry of Agriculture & Cooperatives	P. O. Box 30 Manzini	505 9147/9 608 5211 Fax: 505 6443	janet.mnguni@yahoo.com

30	Sibandze Siphiwe	F	1971.08.02	Assistant Planning Officer	Economic Planning & Development	P. O. Box A932 Mbabane	404 3765 / 621 1378 Fax: 404 6697	sibandze.siphiwe@yahoo.co
31	Vilakati Dorah	F	07.07.1954	Senior Animal Husbandry Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane Swaziland	404 9803 / 615 9486 404 9802	sd-fangv@realnet.co.sz
32	Dr. Vilakati Rosemary Lencane	F	22/04/1966	Lecturer	University of Swaziland	P. O. Box Luyengo Campus	627 0420 Fax: 527 4021	rvilakat@agric.uniswa.sz
33	Hlophe Donald K.M.	M	31.08.1950	Senior Agricultural Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731 / 604 8788	hlophedon@gov.sz hlophedon@consultant.com
34	Malima Boyce Thabo	M	02.01.1977	Animal Husbandry Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731/8	thabomalima@yahoo.com
35	Mndawe Henry Nkosingiphile	M	24.10.1977	Agricultural Economist	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731 / 605 2760	mndaweh@gov.sz mndaweh@yahoo.com
36	Maduna Lindiwe	F	24.06.1969	Senior Programmer System Analyst	Department of Computer Services	P. O. Box 3726 Mbabane	408 3120 / 623 5408	lindiwemaduna@yahoo.com
37	Nxumalo Sipho	M	N/A	Under Secretary (PAD)	Ministry of Agriculture & Cooperatives	P. O. Box 1162 Mbabane	404 2738/1 606 2605 Fax: 404 0585	nxumalosi@gov.sz
38	Gama Nelsiwe	F	10.10.1973	Secretary	Ministry of Agriculture & Cooperatives	P.O. Box 162 Mbabane	404 2738/1 618 2675 / 404 9802	
39	Nsibande Liphi Innocent	M	14.03.1960	Livestock Manager	Dalcrue Agric. Holdings (PTY) ltd	P. O. Box 15 Malkerns	528 3138 / 602 9118 Fax: 528 3091	liphi@dah.co.sz
40	Hlophe Linda Cedric	M	N/A	Economist	Ministry of Finance	P. O. Box 443 Mbabane	404 8145 Fax: 404 3187	hlophel@gov.sz

40 Participants (11 females) at Stakeholders Meeting

ANNEX 5: LIMS TRAINING SESSION, 26, 29 & 30 SEPTEMBER 2008, ESIBAYENI LODGE, MANZINI, SWAZILAND

	Name	G	Designation	Organisation	Address	Telephone	e-mails
1	Dr. Dlamini Mcebo E	M	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 44 Nhangano	608 3698 / 519 0069	mcebodlamini@yahoo.com
2	Dr. Mdluli Sihle	F	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4192 Manzini	505 6443 / 608 5133 Fax: 505 6443	epiunit@africaonline.co.sz
3	Dr. Cindzi Zizwe Muzi	M	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4192 Manzini	505 2113 / 605 3774 Fax: 505 6443	zizwecindzi@yahoo.com zmcindzi@swazi.net
4	Simelane Londiwe	F	Livestock Extension Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4719 Manzini	505 3760 / 608 6300	mlonzi@yahoo.com
5	Dr. Mduduzi Patrick	M	Veterinary Officer	Ministry of Agriculture & Cooperatives	P. O. Box 4192 Manzini	505 2113 / 505 5443 604 1444 Fax: 505 6443	epiunit@africaonline.co.sz patric_dlamini@yahoo.co.uk
6	Ngozo Thuli	F	Animal Husbandry Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731 / 611 4239 404 9802	ngofov@gov.sz
7	Kunene Thembinkosi	M	Regional Animal Husbandry Officer	Ministry of Agriculture & Cooperatives	P.O. Box 43, Siteki	343 5630 / 607 4901 Fax: 343 4176	tickyn@yahoo.com tickyn@hotmail.com
8	Ngubane Thembinkosi	M	Animal Scientist	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 9802 / 615 8250 Fax: 4049802	ngubaneth@gov.sz thembinkosingubane@yahoo.co.uk
9	Hlophe Donald	M	Senior Agricultural Officer	Ministry of Agriculture & Cooperatives	P. O. Box 162 Mbabane	404 2731 / 604 8788	hlophedon@gov.sz hlophedon@consultant.com
10	Khumalo Luyanda Themba	M	Range Management Officer	Ministry of Agriculture & Cooperatives	P. O. Box 30 Manzini	505 9147/8 6425475	topsgелеке@yahoo.com

10 Participants (3 females) at LIMS training