



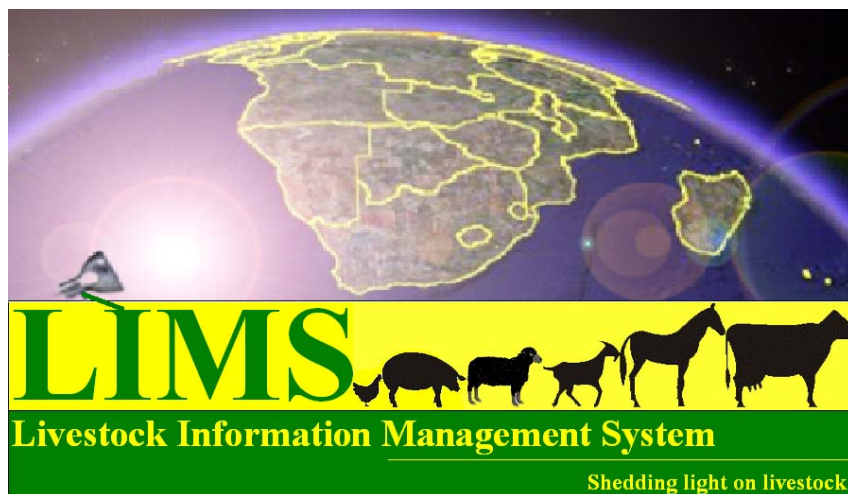
**SADC SECRETARIAT**



**EUROPEAN DEVELOPMENT FUND**

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

**9 ACP SAD 002**



## **Report on LIMS Adoption Mission to Tanzania**

**PRINT Report N°: LIMS/7/2008**

By

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## 1. INTRODUCTION

One of the major results expected from PRINT Livestock project is the establishment of livestock information system which integrates technical and socio-economic data for SADC Secretariat and its Member States (MS). Most of the Project's activities during the previous years were geared towards gathering the necessary information (situation analysis, information needs assessment) and preparing conditions (developing templates, purchasing hardware and software, training national experts and contracting software developers) for the set-up of the system. The development phase of this information system, named Livestock Information Management System (LIMS), was completed by the end of July 2008 and became ready for introducing to SADC MS.

The PRINT Livestock Project has organised missions to MS to undertake the installation of the LIMS application and training of national experts. It was agreed that these missions, intended to cover all MS, start in August 2008 and continue till the beginning of next year. The main objectives of these missions are:

- 1) To launch officially the SADC Agricultural Information Management System (AIMS) and its livestock component LIMS in the country. This one-day meeting is used to create awareness on LIMS among livestock data sources and information users and map the network of stakeholders.
- 2) To train trainers on LIMS data collection templates and the operation and use of the application. This component of the mission targets the training of six to ten national experts on the management of the templates and the application with the objective of primarily enabling them to use the system but also to prepare them to train their colleagues in the Regions or Provinces. The intensive training usually runs for three days.
- 3) To collect data on livestock from different sources in the country.

The mission to the United Republic of Tanzania is part of the overall LIMS adoption missions and it follows the above mentioned objectives. This mission report highlights activities conducted by the two reporting officers, Gerald Oosterwijk and Berhanu Bedane, between 15 and 22 October 2008 in Tanzania.

## 2. ITINERARY

Wednesday 15 October 2008	11:05 Departure from Gaborone by SA 1764 12:10 Arrival at Johannesburg 13:50 Departure from Johannesburg by SA 7167 18:30 Arrival at Dar es Salaam
Thursday 23 October 2008	10:30 Departure from Dar es Salaam by SA 7166 13:10 Arrival at Johannesburg 16:15 Departure from Johannesburg by SA 1783 17:20 Arrival at Gaborone

### 3. PERSONS MET

No.	Name	Designation
1	Dr. Mleche Win Cuthbert	Director of Veterinary Services, DVS
2	Mr. Nsiima Mberwa Paul Longin	Principle Livestock Officer, DPP
3	Dr. Kitalyi Joseph	TAD Project (TZ) Coordinator, DVS
4	Dr. Kivaria Fredrick Mathias	National Epidemiologist, DVS
5	Mrs. Mlote Sophia	Agricultural Economist, DPP
6	Mr. S. Mwanjaka	SADC Focal Person, Min. Livestock & Fisheries
7	Dr. Molelo	Assistant Director, DVS
8	Dr. Mohammed Bahari	Assistant Director, Livestock Identification and Traceability
9	Mrs. A. Njombe	Director of the Animal Production and Marketing
10	Mr. Kirongoze	Assistant Director, Hide and Skin Section, DPM
11	Dr. Peter Zephania Njau	Assistant Director, Veterinary Public Health, DVS
12	Mrs. Judith Gina	Head of Information and Communication (PR), Min. Livestock

### 4. PREPARATORY PHASE

An official letter explaining the purpose of LIMS adoption mission and the timetable was sent to the Permanent Secretary of the Ministry of Livestock Development and Fisheries at the end of the month of July 2008. This was followed by an e-mail to the PRINT Focal Person, Mr. Longin Nsiima. The e-mail contain detailed list of preparatory activities for the mission. A tentative list of 48 potential participants to the stakeholders meeting was provided to Mr. Nsiima for refinement and preparation of the final list in consultation with his colleagues. The list included participants to previous AIMS meetings, PRINT trainees, livestock officers from the different regions of Tanzania and representatives of livestock data sources such as Bureau of Statistics, Customs, etc. Proforma invoices were requested for a conference facility for the stakeholders meeting as well as a training room for three days. Invitation of a guest of honour, who will officially launch LIMS, and media coverage were other aspects requested during the preparatory phase.

Because of the delay in getting the correct Proforma Invoice, it was decided to directly contact the Hotels providing conference facilities by telephone. As a result of this it was possible to process financial requirements for the mission just in time. However, because of unavailability of Euros at the bank (despite a booking made 24 hours earlier) we had to collect U.S. Dollars. Such transaction is not only inconvenient and time consuming, but also disadvantageous to the client as the bank offers a very low exchange rate.

The first day of the mission, 16 October 2008, was used to finalise the preparation by paying courtesy visits to the different departments of the Ministry of Livestock Development and Fisheries as well as preparing other logistics at the conference venue. The reporting officers also met and held discussions with the SADC focal person for the Ministry of Livestock Development and Fisheries, Mr. S. Mwanjaka. He underscored the need to involve the SADC Focal Person in all activities planned by the secretariat in Tanzania. In addition to the conference venue, booking of rooms for participants coming from upcountry has to be secured. However, the exact number of participants from upcountry was unknown, making the booking difficult. It was agreed finally to reserve 16 rooms for these participants. It is to be noted that unlike many other SADC MS visited earlier on similar mission, here almost every coordination work required payment including the media coverage. There is high expectation for the payment of allowances while participating in a meeting, even when it is conducted not very far from duty station.

## 5. LIMS STAKEHOLDERS MEETING

The official launching of AIMS and LIMS in Tanzania and the stakeholders meeting took place on 17 October 2008 at Blue Pearl Hotel and Apartments. The meeting was attended by 36 participants, mainly from the Ministry of Livestock Development and Fisheries but also from the Ministry of Agriculture, Food Security and Cooperatives, the Mzumbe University and the Tanzania Meteorological Services. The detailed list of participants is attached as annex 1.

Due to other urgent matters, the Permanent Secretary of the Ministry of Livestock Development and Fisheries was unable to officially launch AIMS and LIMS. The Director of the Veterinary Services, Dr. Win Cuthbert Mleche, was requested by the permanent Secretary to officiate the occasion. Dr. Mleche in his LIMS launching speech emphasised that LIMS is in line with the Government of Tanzania efforts of pursuing national development using a result-based agenda and the focus on evidence-based policy and decision-making which have increased demand for quality statistical information. He further urged the technical personnel and professionals 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. The full speech is attached to this report as annex 2.

During the stakeholders meeting the following presentations were made and discussions took place.

- Introducing PRINT Project
- Background of AIMS/LIMS
- Introduction to LIMS
- Demonstration of the LIMS templates
- Demonstration of LIMS database
- Demonstration of LIMS Portal
- Data sources and networking with stakeholders

Figure 1, Participants of the LIMS stakeholders meeting at Blue Pearl Hotel on 17 October 2008



The major points raised by the participants during the discussion included:

- The need for motivating (financially) field personnel to guarantee the collection of quality data
- The enormous data collection task at field level
- The plans to include missing components of LIMS, such as animal genetic resources (breeding), rangeland management, etc.
- Challenges ahead in the establishment of LIMS
- The security features the LIMS application has
- How to share information generated from LIMS country-wide
- The difference between LIMS and TADinfo
- Assistance from PRINT is required to roll-out LIMS to regions in the country
- How to harmonise the live animal grading in different countries of SADC

The last part of the stakeholders meeting was devoted to the identification of data sources and mapping of the network of livestock information. Using a flip chart, data sources of each LIMS module was identified first, followed by the coordinating Department within the Ministry. The idea of identifying a specific person from the coordinating Department for spearheading the task was debated and its benefit was recognised. However, since most of the Departments were not represented by the top management, assigning the person who should play that role became difficult. It was agreed that the Departments come up very shortly who from their Department is assigned the task of coordinating data collection for LIMS modules. The data sources identified per LIMS module and the coordinating Department are presented below.

*Table 1. Livestock data sources and the Department responsible for coordination*

Module	Data source	Department Coordinating
1	Local Government Authorities (LGA)	DPM
	Dairy Organisation	
	Meat Traders Organisation (Boards)	
	National Bureau of Statistics (NBS)	
	Directorate of Livestock Identification and Registration (DIR)	
	Directorate of Production and Marketing (DPM)	
2	LGA	DPP
	NBS	
	Directorate of Policy and Planning (DPP)	
	Ministry of Agriculture, Food Security and Cooperatives (MAFSC)	
	Prime Minister's Office – Regional & Local Government Authority (PMO – RLGA)	
3	DPM	DPM
	Department of Veterinary Services (DVS)	
	LGA	
	Dairy Board	
	Meat Council	
	Meat Board (when launched – not yet active)	
	Ministry of Trade, Industry and Marketing Development (MTIMD)	
	Leather Association of Tanzania (LAT)	

Module	Data source	Department Coordinating
	Tanzanian Livestock and Meat Association (TALMETA)	
4	DPM	DPM
	TALMETA	
	LGA	
	MTIMD	
	DIR	
5	Tanzania Revenue Authority	DVS
	TALMETA	
	MTIMD	
	DVS	
	DPP	
	DPM	
	DIR	
6	LGA	DVS + DPM
	DPM	
	DVS	
	Department of Pastoral Systems Development (DPSD) within the Ministry of Water and Irrigation	
	Directorate of Central Veterinary Laboratories (DCVL)	
7	LGA	DVS
	DVS	
8	Veterinary Council of Tanzania	DRTE
	LGA	
	Ministry of Home Affairs/Vice Presidents Office	
	Registration of Voluntary Associations	
	Dairy Board	
	Meat Board	
	Directorate of Research, Training and extension (DRTE)	
9	Veterinary Council of Tanzania	PSA
	Principal State Attorney (PSA) of the Min. of Livestock	
	LGA	
	Ministry of Land	
	Tanzania Food and Drug Authority	
10	DVS	DVS
	DCVL	
	LGA	
	Ministry of Health and Social Welfare (MoH & SW)	
	Ministry of Natural Resources and Tourism	



Module	Data source	Department Coordinating
11	PMO – RALG	DVS
	MoH & SW	
	Ministry of Natural Resources and Tourism	

It was proposed to link the nominated persons (spearheading data collection) by their respective Departments (as per the above listing) with the training scheduled to kick-off on 20 October 2008. Although that is the ideal situation, the nomination for the training has already made and the trainees were notified about it. With no working day between the stakeholders meeting and the start of the training, and unavailability of Directors to take swift decision, it was agreed to continue with earlier nomination made for the training.

The turnout for the stakeholders meeting was not as expected. Only one of the ten or so Directors of different livestock Departments attended the meeting. One of the reasons for low attendance of the stakeholders meeting is the concurrent Parliamentary group meetings on two bills (Animal Welfare and Hides and Skins) taking place in Dar es Salaam and the National Avian Influenza Taskforce meeting in Morogoro. It is unfortunate that the overlapping of these important meeting was not brought up during the planning of the mission.

As part of creating awareness, Dr. Mlech and the Reporting Officers were interviewed by journalists from Tanzania Broadcasting Corporation (TBC) and some leading Newspapers in the country. The news about launching LIMS in Tanzania was transmitted on the National Television (TBC) at prime news time, 8:00 on the same day of the meeting.

However, out of the originally promised four, only one of the newspapers (The Guardian) carried the news two days later. Unfortunately, the journalist who wrote the article introduced his own opinion at the end, distorting the information on SADC membership of Madagascar, which is of serious concern to the team. It is important that this error is rectified in time and the readership of the newspaper gets accurate information of the Madagascar membership to SADC. The reporting officers notified this incident to the Directors of several livestock Departments through an *Aide Memoire* written before leaving the country.

Figure 2, The newspaper article on LIMS launching in Tanzania



## 6. TRAINING OF TRAINERS ON LIMS TEMPLATES AND APPLICATION

In order to enable trainees concentrate only on the training and not disrupted by routine activities, a venue away from office premises was selected. For this purpose a small training hall was hired at Landmark Hotel for three days. A total of eight trainees were nominated by different departments for the training of trainers. The following is the list of participants.

Table 2. List of participants of the LIMS training

No.	Name of trainee	Sex	Responsibility	Department
1	Sendalo Raphael	Mr.	Statistical Officer	DPP
2	Mulungu Caroline	Ms.	Senior Computer Systems Analyst	DIR
3	Nasua Priscilla Joseph	Ms.	Computer Systems Analysts	DPP
4	Sangiwa Upendo Uze	Mrs.	Principal Livestock Officer	DVS
5	Tinuga Deusdedit Kajojo	Dr.	Principal Veterinary Officer	DVS
6	Meela Editha	Ms.	Principle Livestock Field Officer	CVL
7	Stambuli Mbaraka	Mr.	Economist	DPP
8	Asimwe Lovince	Mrs.	Livestock Officer	DPM



The training of trainers is meant primarily to enable national experts operate and use at a later stage conduct similar training for livestock information officers at regional level. The training of regional experts is a prerequisite for the roll-out of LIMS at that level.

*Figure 3, LIMS template and application training in Tanzania in progress*



The LIMS training had two major components. These are the training on the LIMS template and the training on the operation and use of the LIMS application.

- a) Training on the LIMS templates – Before embarking on data entry to the database, trainees need to know the data collection forms or templates. The knowledge of what type of data is collected, how often and the right columns where these should be entered is crucial for better understanding of the database at a later stage. Hence, among the 11 modules representative LIMS templates were selected and each was described to the trainees. Additional information included as footnotes for the selection of parameters where there are multiple choices to pick from were adequately covered. The trainees were briefed on the Standard Operating Procedure for providing comments and suggestions for further improvement of the templates as well as for daily use when these are introduced to the grass roots from where data is captured on paper copies or MS Excel sheet. The trainees also received both the electronic and hard copy prints of all the templates for the 11 modules of LIMS.
- b) Training on the LIMS application – This component of the training focused on the proper operation and use of the LIMS database. Trainees were taken through the installation and configuration of the application, data entry and modification, query building, report generation, export of data for final analysis and procedures for backing up data and transfer data files between different installation. The complete training timetable is attached as annex 3. Each of the trainees had access to an Asus Mini-laptop on which all the exercises were practiced. During the training of the three days, eight of the 11 modules were fully covered first by demonstration followed by exercise using live and in some cases dummy data. Due to time

shortage, three of the modules were briefly mentioned, but not fully covered. However, since the operations involving data entry, modification and query are similar for almost all modules of the LIMS application, trainees would not have difficulties managing the remaining modules.

The training on the LIMS templates and the application was conducted smoothly. However, the following observations were made.

- i) Participation of the different livestock departments in the training was not balanced – Most of the LIMS modules are on Animal Production. Hence, more participants from the Department of Production and Marketing (DPM) were expected. However, not only the Director of the DPM was absent from the stakeholders meeting but also only one of the eight trainees was from that Department.
- ii) The strength of most of the trainees as trainers is questionable – Most of the trainees seem to be junior staff dealing with information in their respective Departments. While there is no doubts that these trainees can manage LIMS for their Department, organising and conducting training workshop at VIC or regional level to train individuals who may be senior than them may be difficult. It would have been ideal during this first phase to train senior staff members to use them at a later stage as trainers. That is why this training is named Training of Trainers and not Training of end-users. The reporting officers understand that there were concurrent meetings for senior staff but still effort could have been made as to have at least some of them in the training.
- iii) While the Asus mini-laptops have solved the problem of computing and allowed a computer per trainee, the French Operating System (OS) and the Keyboard is still problematic for those not conversant with general computing. Hence, most of the questions and clarification were around these problems rather than the LIMS application *per-se*. It might worthwhile exploring changing the OS on the mini-laptops to English.

At the end of the three days training, a general discussion was conducted with the participants. The trainees expressed their satisfaction on the training. They agreed that there is a pressing need for livestock data collection and management in Tanzania and wished the concerned authorities devote attention to this. The trainees and the reporting officers finally agreed to bring to the attentions of the higher official the need to continue the training at VIC and Regions level. As a result of this agreement a preliminary report (*Aide Memoire*) was prepared and distributed to the DVS, DPM, DIR, DPP, DCVL and the PRINT Focal Person. The trainees all received a CD containing training materials, a copy of the LIMS application and templates, SOP, presentations on LIMS and AIMS, among others (see annex 4 for the detailed list of contents).

## 7. DATA COLLECTION

The third objective of this mission was to collect livestock data from different sources in the country. With the logistics problem, mainly transport and the busy training schedule, it was not possible to visit as many data sources as possible. Hence, the focus was made on the National Bureau of Statistics (NBS). On the day the NBS was visited (22 October 2008) the offices were undergoing maintenance and the library, which also serves as a sales point of publications was closed to the public. It was also learned that there was no survey conducted on Agriculture and livestock since 2002-2003. The PRINT Livestock Project has already secured a book containing survey result of the livestock sector as part of the above mentioned survey. During this mission all the electronic files of the 2002 – 2003 Agricultural Survey results were secured. The following files are now available:

1. Combined household report.pdf

2. Crop report.pdf
3. Gender profile Report final.pdf
4. Large scale farm report combined.pdf
5. Tanzania Agriculture Sample Census 2003 Livestock Report.pdf
6. Technical Report - Agriculture Sample Census1A.pdf

In addition to the above mentioned data files, the reporting officers gathered the following files for Module 9 of LIMS from the Ministry's website

1. Animal Disease Act 17 2003.pdf
2. The Dairy Industry Act 2004.pdf
3. The Hides and Skin Trade Act.pdf
4. Veterinary Act 16 2003.pdf

## 8. OTHER MATTERS

During the mission, the reporting officers used the opportunity to discuss other matters of concern with relevant officers. These issues were the monthly disease report and PRINT assistance to Tanzania in the purchase of anti-virus.

**6.1 Monthly disease report** – Tanzania did not submit any monthly disease report for the year 2008. The matter was discussed briefly with the concerned officers, Drs. Kivaria and Tinuga. The two officers acknowledged the problem and understood the implication of not having Tanzania data in the forthcoming SADC Animal Health Yearbook. It was finally agreed that all pending reports till September 2008 will be compiled and submitted on or before 15 November 2008. The last quarter reports for this year are expected during January 2009. This will guarantee that data from Tanzania will be published in next year's SADC Animal Health Yearbook in time.

**6.2 Purchase of Anti-virus** - During the PRINT Livestock Project mission to Tanzania in September 2007, it has been noticed that the Server and the workstations in livestock departments were infected with viruses, which hampered the normal computing operations. The Project was then asked for assistance and eventually agreed to assist in purchasing anti-virus to solve the problem with a cost up to 5000 Euro. Although the quotation for this was received through the Focal person, the price and sustainability of the service became questionable. The reporting officers had a discussion during this mission with the representative of the service provider (The East African Technology Limited), Mr. A.W. Karatta and have expressed their reservation about the price and the service limited to one year. It has been agreed to get a fresh quotation for the purchase of MacAfee Antivirus with licenses for 80 users for a period of at least three years. As a result of this discussion, the above mentioned quotation is now received but for a period of two years. (see annex 5)

## 9. CONCLUSION AND THE WAY FORWARD

Despite some of the organisational problems, the overall assessment of the mission shows that the objectives were met. At the end of the mission, An *Aide Memoire* was prepared and distributed to the different Departments. It is expected that these Departments nominated an officer in charge of coordinating data collection from the sources identified during the stakeholders meeting. Identification of the Central location of the LIMS application and how the Different Departments will be linked to this

central point still need to be discussed and agreed up on. So far the LIMS unit (still unpacked) and the PRINT Focal Person are both in DPP. There is a need to proactively follow-up the date Tanzania fixes for training experts at VICs and Regions to be able to provide support.

## ANNEX

### Annex 1. List of participants of the LIMS stakeholders meeting held at Blue Pearl Hotel on 17 October 2008 in Tanzania

No.	Name	Designation	Ministry / Organization	Postal Address	Telephone	Mobile	Email
1	Dr. Mleche Win Cuthbert	Director of Veterinary Services	MLDF	Department of Veterinary Services, P.O.Box 9152, Dar es salaam	+255 22 2862592	+255 784 358549	<a href="mailto:dvs@mifugo.go.tz">dvs@mifugo.go.tz</a> <a href="mailto:wemleche@yahoo.co.uk">wemleche@yahoo.co.uk</a>
2	Eng. Babala Samson	Assist. Director, Water for Livestock	MLDF	Department of Pastoral Systems Development, P.O.Box 9152, Dar es salaam	+255 22 2861901	+255 754 286773	<a href="mailto:babalask@yahoo.com">babalask@yahoo.com</a>
3	Mr. Nsiima Mberwa Paul Longin	Principle Livestock Officer	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam	+255 22 2861901	+255 784 300014	<a href="mailto:nsiimalongin@yahoo.co.uk">nsiimalongin@yahoo.co.uk</a>
4	Mr. Kabuje Furaha Lazeck	Economist	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam	+255 22 2861901	+255 754 391317	<a href="mailto:klfuraha@yahoo.com">klfuraha@yahoo.com</a> <a href="mailto:klfuraha@gmail.com">klfuraha@gmail.com</a>
5	Dr. Maiseli Noah	Principle Veterinary Research Officer	MLDF	Department of Identification, Registration and Traceability, P.O.Box 9152, Dar es salaam	+255 22 2866446	+255 784 531064	<a href="mailto:gmaiseli@yahoo.co.uk">gmaiseli@yahoo.co.uk</a>
6	Dr. Kitalyi Joseph	Principal Veterinary Officer	MLDF	Department of Veterinary Services, P.O.Box 9152, Dar es salaam	+255 22 2866446	+255 754 560938	<a href="mailto:jkitalyi@yahoo.co.uk">jkitalyi@yahoo.co.uk</a>
7	Dr. Shayo Elizabeth Tabu	Principal Veterinary Officer	MLDF	Department of Veterinary Services, P.O.Box 9152, Dar es salaam	+255 22 2862592	+255 784 315671	<a href="mailto:vph-zdc@mifugo.go.tz">vph-zdc@mifugo.go.tz</a> <a href="mailto:elizatabushayo@yahoo.ca">elizatabushayo@yahoo.ca</a>
8	Mr. Mruttu Hassan	Principal Livestock Research Officer	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam	+255 22 2866446	+255 717 394982	<a href="mailto:mruttu@yahoo.com">mruttu@yahoo.com</a>
9	Dr. Kivaria Fredrick Mathias	National Epidemiologist	MLDF	Department of Veterinary Services, P.O.Box 9152, Dar es salaam	+255 22 2862592	+255 754 086860	<a href="mailto:fredkiv@yahoo.com">fredkiv@yahoo.com</a>
10	Mr. Mwakibuga Amenye Michael	Economist	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam	+255 22 2861901	+255 783 470977	<a href="mailto:ameos07@yahoo.com">ameos07@yahoo.com</a>



11	Mr. Morungu Lydon Stephen	Principal Livestock Officer	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam		+255 755 671845	<a href="mailto:lsamorungu@yahoo.com">lsamorungu@yahoo.com</a>
12	Mrs. Mlote Sophia	Agricultural Economist	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam		+255 713 338087	<a href="mailto:sophie_eznm@yahoo.com">sophie_eznm@yahoo.com</a>
13	Ms. Mkira Leocadia Kashindye	Economist	MLDF	Department of Policy and Planning, P.O.Box 9152, Dar es salaam		+255 784 725459	<a href="mailto:lkashindye@yahoo.co.uk">lkashindye@yahoo.co.uk</a>
14	Mr. Komba Faraja	Computer Systems Analysts	Min.Agriculture, Food Security & Coop	P.O. box 9192, Dar es salaam Kilimo I - Temeke		+255 714 402795	<a href="mailto:farajakomba2000@yahoo.co.uk">farajakomba2000@yahoo.co.uk</a>
15	Ms. Mtei Daines	Principal Statistician	Min.Agriculture, Food Security & Coop	P.O. box 9192, Dar es salaam Kilimo I - Temeke	+255 22 2862495	+255 755 287574	<a href="mailto:dmtei77@hotmail.com">dmtei77@hotmail.com</a>
16	Dr. Yonah Isack Baliyendeza	Senior Meteorologist	Tanzania Meteorological Agency	P.O. Box 3056, Dar es Salaam Ubungo Plaza, 3rd floor, Morogoro road	+255 22 2460706 / 8	+255 754 816238	<a href="mailto:met@meteo.go.tz">met@meteo.go.tz</a> <a href="mailto:yonah002@yahoo.co.uk">yonah002@yahoo.co.uk</a>
17	Dr. Mpate Sulleiman M. Omary	Principal Veterinary Officer	Reg. Admin. & Local Government	P.O.Box 1054, Lindi Mtanda Area, Lindi Town Council	+255 23 2202098/19	+255 754 929400, 787 235404	<a href="mailto:smpate@yahoo.co.uk">smpate@yahoo.co.uk</a> <a href="mailto:rlalindi@yahoo.com">rlalindi@yahoo.com</a>
18	Dr. Silayo Fortunata	Principal Veterinary Officer	Reg. Admin. & Local Government	P.O.Box 650, Morogoro	+255 23 2602747	+255 754 747608	<a href="mailto:rla.morogoro@yahoo.com">rla.morogoro@yahoo.com</a> <a href="mailto:fmsilayo@yahoo.com">fmsilayo@yahoo.com</a>
19	Mrs. Dugange Bertha Mwaluka	Livestock Officer	MLDF	P.O.Box 836, Morogoro		+255 754 342062	<a href="mailto:bmwaluka@yahoo.com">bmwaluka@yahoo.com</a>
20	Dr. Amo Joshua Bariye	Regional Livestock Officer	Reg. Admin. & Local Government - Coast Region	P.O.Box 30080, Kibaha	+255 23 2402503	+255 754 816895	<a href="mailto:joshuamo@yahoo.co.uk">joshuamo@yahoo.co.uk</a>
21	Dr. Julian Anastazia	Municipal Veterinary Officer	Morogoro Municipal Council	P.O.Box 166, Morogoro		+255 754 601571, 755 275074	<a href="mailto:noelaj70@yahoo.com">noelaj70@yahoo.com</a>
22	Mr. Juma Ayuha Badi	Senior Livestock Field Officer	Mzumbe University	P.O.Box 747, Morogoro		+255 754 899226	<a href="mailto:ayuhabj@yahoo.com">ayuhabj@yahoo.com</a>

23	Dr. Kingu Peter	Economist	MLDF	c/o Sokoine University of Agriculture	+255 22 2861901	+255 787 519852	<a href="mailto:kingutz202@yahoo.com">kingutz202@yahoo.com</a>
24	Dr. Kakengi Victor Alexander	Principal Research Officer	Tanzania Wildlife Research Institute - TAWIRI	P.O.Box 664, Arusha	+255 784 964628, 732 930644		<a href="mailto:kakengi1@yahoo.com">kakengi1@yahoo.com</a> <a href="mailto:kakengi@hotmail.com">kakengi@hotmail.com</a>
25	Dr. Mopei Nassoro Athumani	District Veterinary Officer	Bahi District Council	P.O.Box 832, Dodoma		+255 754 960587	<a href="mailto:nmopei@yahoo.com">nmopei@yahoo.com</a>
26	Mr. Wassena Fred	Livestock Research Officer	MLDF	National Livestock Research Institute, P.O.Box 202, Mpwapwa	+255 26 2320853	+255 713 266526	<a href="mailto:fwassena@yahoo.com">fwassena@yahoo.com</a> <a href="mailto:nlrimpwapwa@iwayafrica.com">nlrimpwapwa@iwayafrica.com</a>
27	Mr. Nandonde Salim Werner	Livestock Officer	MLDF	Sao Hill - Livestock Multiplication Unit Mafinga - Mifugo Street		+255 784 658187, 787 772222	<a href="mailto:snandonde@yahoo.com">snandonde@yahoo.com</a>
28	Mr. Kabwe Elias	Livestock Officer	Local Government and Regional Administration	Kibaha District Council			
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Annex 2. Dr. Mileche's speech at the official launching of LIMS during the stakeholders meeting

**OPENING ADDRESS BY WIN C.H. MLECHE, DIRECTOR OF VETERINARY SERVICES,  
MINISTER FOR LIVESTOCK DEVELOPMENT AND FISHERIES AT THE OFFICIAL  
LAUNCH OF SADC LIVESTOCK INFORMATION MANAGEMENT SYSTEM (LIMS) IN  
TANZANIA; AT BLUE PEARL HOTEL – DAR-ES-SALAAM 17<sup>TH</sup> OCTOBER, 2008**

SADC PRINT Project Staff,  
Senior Government Officials,  
Private Sector Representatives,  
Invited Guests, and  
Ladies and Gentlemen.

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 Integration (PRINT)" in the livestock sector. This is part of the regional (SADC) Agricultural Information Management System (AIMS) project.

**Ladies and Gentlemen:** 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 pursuant to 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. I am sure this is the beginning of a process that will integrate and rationalize the various regional agricultural sub-sector information systems into an effective, efficient and coherent system towards supporting the revitalization of agricultural growth, enhancing food security and promoting rural development.

**Ladies and Gentlemen,** the creation of LIMS would address in particular, the lack of reliable information on animal health and disease risk, marketing opportunities for trade, marketing infrastructure and the marketing of livestock inputs and outputs. Furthermore, the project will assist us as a nation as well as ensure that livestock information obtained is based on quality data to portray the highest level of accuracy and validity for reliability. These are values which, we will always uphold as a Ministry.

**Ladies and Gentlemen,** LIMS is in line with the Government efforts of pursuing national development using a result-based agenda and the focus on evidence-based policy and decision-making which have increased demand for quality statistical information. Quality statistical information is a necessary infrastructure and part of the enabling environment for national development.

It is worthwhile to note that, with the birth of LIMS, the livestock sector will be able to make the right decisions, improve the effectiveness of processes and their outcomes, providing timely and focused performance information and improving the productivity and effectiveness of personnel. Therefore, improved information management for the sector is simply too important to wait any longer.

**Ladies and Gentlemen,** I would like to assure the SADC PRINT project team that Tanzania takes a serious and purposeful view of the LIMS. Over the years, Government efforts have been directed towards developing capacities and systems for livestock information management evident in

numerous set ups including disease reporting (TadInfo) and marketing through Livestock Information Network Knowledge System (LINKS). However, the Ministry's information management system is not well developed since the sources of data and information supply though many and varied are largely uncoordinated leading inconsistencies in currently published data.

**Ladies and Gentlemen,** our ability to provide livestock data are evident through census and surveys conducted at various intervals since 1993 through a collaborative efforts between National Bureau of Statistics, Ministry of Livestock Development and Fisheries, Ministry of Agriculture Food security and Cooperatives.

**Ladies and Gentlemen,** I would like to acknowledge that we face challenges within the livestock sector amongst them crisis of expectation of data and information for livestock which is ever increasing in quantity, quality and type. This is manifested by the existence of different users with different needs, preferences, and capacities i.e. both to appreciate data in the first instance and in the second instance and to put these data to optimum or even proximal use in their work.

In addition, to an already long list of actual and potential data users there is also emergence of private sector operators and international organization requiring data and information for livestock sector development.

**Ladies and Gentlemen,** there are limited resources available for livestock and fisheries sectors to meet the said ever increasing demand for data. In addition, ICT resources are limited to perform collection, processing, storage and dissemination under the umbrella.

I am however happy to note that one of the important activities of the SADC PRINT project has been to train staff from countries including Tanzania and some hardware and software have been provided.

In line with regional objectives, the Ministry of Livestock Development and Fisheries is presently in the process of revitalizing its Livestock and Fisheries Information System and will obviously benefit from the LIMS.

**Ladies and Gentlemen,** I urge our technical personnel and professionals in the livestock sector to take advantage of the LIMS and ultimately AIMS for our use locally and for the promotion of regional integration, economic development and poverty reduction in SADC.

Lastly, I am thanking the SADC PRINT project staff for their dedicated efforts and contribution towards LIMS.

With these few remarks I wish to declare that the Livestock Information Management System (LIMS) is officially launched in Tanzania.

**I THANK YOU.**



Annex 3. Timetable for Training on the LIMS template and application



**SADC PRINT Livestock Project in collaboration with the Ministry of Livestock  
Development and Fisheries of the United Republic of Tanzania**

**AGENDA FOR LIMS TRAINING OF TRAINERS  
20 to 22 October 2008  
VENUE – LANDMARK HOTEL, DAR ES SALAAM**

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**DAY 1 – Monday 20 October 2008**

<b>8:00 – 8:15</b>	<b>Introduction - Training objectives</b>
<b>8:15 - 9:00</b>	<b>Installation</b> <ul style="list-style-type: none"><li>1. First time installation</li><li>2. Key files and folders</li><li>3. Uninstalling</li><li>4. Re-installing</li></ul>
<b>9:00 – 10:30</b>	<b>Basic concept of LIMS operation</b> <ul style="list-style-type: none"><li>1. Opening, navigation and closing the application</li><li>2. Menu and sub-menu structure</li></ul>
<b>10:30 – 11:00</b>	<b>TEA BREAK</b>
<b>11:00 – 11:30</b>	<b>Basic concept of LIMS operation (Continued)</b> <ul style="list-style-type: none"><li>3. Standard tool bar and other GUI</li></ul>
<b>11:30 – 12:00</b>	<b>Administration: Access Control</b> <ul style="list-style-type: none"><li>1. Creating users</li><li>2. Assigning roles and granting rights</li></ul>
<b>12:00 – 13:00</b>	<b>Data entry, modification and saving</b> <ul style="list-style-type: none"><li>1. Livestock numbers and composition (Module 1 – Template and database)</li></ul>
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>14:00 - 14:30</b>	<b>Data entry, modification and saving (continued)</b> <ul style="list-style-type: none"><li>1. Livestock numbers and composition (Module 1 - Template and database)</li></ul>
<b>14:30 – 15:30</b>	<ul style="list-style-type: none"><li>2. Livestock Products (Module 3 - Template and database)</li></ul>
<b>15:30 – 16:00</b>	<b>TEA BREAK</b>

**16:00 – 17:00**            3. Livestock Trade (Module 5 - Template and database)

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**DAY 2 – Tuesday 21 October 2008**

**8:00 – 9:00**            **Revision of day 1 - Discussion**

**9:00 – 10:30**            **Data entry, modification and saving (continued)**  
                                 3. Livestock Infrastructure (Module 6 - Template and database)

**10:30 – 11:00**            **TEA BREAK**

**11:00 – 11:30**            **Data entry, modification and saving (continued)**  
                                 4. Meat Inspection (Module 7 - Template and database)

**11:30 – 13:00**            **Data entry, modification and saving (continued)**  
                                 5. Laws, regulations and acts (Module 9 - Template and database)

**Data entry, modification and saving (continued)**  
                                 6. Disease Report (Module 10 - Template and database)

**13:00– 14:00**            **LUNCH**

**14:00 – 15:30**            **Building queries, generating reports and exporting query results**  
                                 1. Livestock numbers and composition (Module 1)  
                                 2. Livestock Products (Module 3)

**15:30 – 16:00**            **TEA BREAK**

**16:00 – 17:00**            3. Livestock Trade (Module 5)

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### **DAY 3 – Wednesday 22 October 2008**

<b>8:00 – 9:00</b>	<b>Revision of day 2 - Discussion</b>
<b>9:00 – 10:30</b>	<b>Building queries, generating reports and exporting query results (continued)</b> <ul style="list-style-type: none"><li>4. Meat Inspection (Module 7)</li><li>5. Disease Report (Module 10)</li></ul>
<b>10:30 – 11:00</b>	<b>TEA BREAK</b>
<b>11:00 – 11:30</b>	<b>Building queries, generating reports and exporting query results (continued)</b> <ul style="list-style-type: none"><li>5. Disease Report (Module 10) Cont.</li></ul>
<b>11:30 – 13:00</b>	Data exporting for further analysis
<b>13:00 – 14:00</b>	<b>LUNCH</b>
<b>14:00 - 15:30</b>	<b>Administration</b> <ul style="list-style-type: none"><li>1. Data Management: sending and receiving files (electronic reports)</li><li>2. Data Management: backup and restore</li></ul>
<b>15:30 – 16:00</b>	<b>TEA BREAK</b>
<b>16:00 – 17:00</b>	<b>General Discussion</b>  <b>Installation and configuration of clean copy of the database</b>  <b>End of training course</b>

Annex 4, content of the CD distributed to trainees

Folder	File
Application File	LIMSsetup.exe
HS List	HS Code for Livestock and Prodcuts.xls
LIMS Disease Reporting Manual	SADC Monthly Disease Reporting Manual 210507.pdf
LIMS Training Notes	LIMS Training Notes 191008.pdf
LIMS User Manual	LIMS User Manual 24092008.pdf
Photographs	Various group photographs
Presentations	Demonstration of LIMS Portal_TZ.ppt
	LIMS Adoption Tanzania PRINT AIMS LIMS Network GO 17Oct08.ppt
	LIMS Introduction Ver3 03102008_TZ.ppt
Reporting Templates	Reporting templates for 11 modules
SADC Animal Health Yearbook	SADC AH Yearbook 2007 Edited 050508.pdf
SOP	Error detection and reporting sheet_Application.doc
	Suggestions for improving LIMS Templates.doc



## **EAST AFRICAN TECHNOLOGY LIMITED**

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DAR ES SALAAM – TANZANIA.**

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### **PROFORMA INVOICE**

**TO: MINISTRY OF LIVESTOCK  
DEVELOPMENT AND FISHERIES  
P.O.BOX 9152.  
DAR ES SALAAM.  
TANZANIA.**

**PROF.NO: 00071937.EATL/MLDF/OCT/2008**

**EXTRAS PLEASE JUST CONFIRM**

**DATE: 22<sup>TH</sup> /OCT/2008**

**TIN -101 – 246 – 043  
VRN – 10 – 015415 – N**

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Please we are quoting for the computer System /Accessories/Repair Consultation.  
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**ATT: DR BERHANU BEDANE**

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<b>50.</b>	<b>McAfee Total Protection for enterprise license two years Virus Scan Enterprise for desktop and servers Netshield for Netware Host Intrusion Prevention Antispyware Spamkiller for Exchange Groupshield for Exchange ePolicy Orchestrator</b>	<b>95.00 EURO</b>	<b>4.750 EURO</b>
<b>1</b>	<b>MEDIA KIT FOR LATEST VERSION 8.5i</b>	<b>70.00 EURO</b>	<b>70.00 EURO</b>
	<b>This is license for two years for support to make sure you continue to receive updates and upgrades.</b>		



	<b>You can even get licenses for the branches as ePO can manage remote offices as well.</b>		
<b>3.</b>	<b>Installation and configuration of ePO and advice on rollout of McAfee.</b>	<b>170.00 EURO</b>	<b>170.00 EURO</b>
	<b>The McAfee Security solution is complex and it really does need to be configured by a trained engineer to make sure that it is delivering the full benefit of your investment.</b>		
		<b>SUB TOTAL</b>	<b>4,990.00 EURO</b>
	<b>(VAT) 20%.</b>	<b>(VAT) 20%.</b>	<b>NIL</b>
		<b>TOTAL</b>	<b>4,990.00 EURO</b>

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1. PAYMENT: ON DELIVERY
2. DELIVERY: IMMEDIATE ALL THE GOODS IS IN STOCK

**FOR AND ON BEHALF OF  
EAST AFRICAN TECHNOLOGY LTD.**

**MANAGING DIRECTOR**

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