



SADC SECRETARIAT

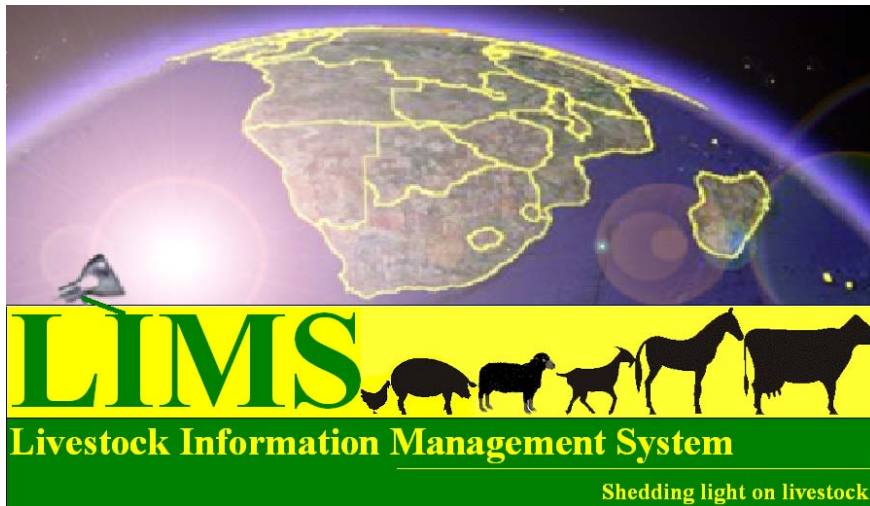


EUROPEAN DEVELOPMENT FUND



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

9 ACP SAD 002



Report on LIMS Adoption Mission to Mauritius

PRINT Report N°: GO/GW-01-MU-11/2008

By

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2008

Dates: 11 – 20 November

ACKNOWLEDGMENTS

We would like to thank Dr. Reshad Jaumally, PRINT Focal Person and Dr. Bagwanduth Neerunjun for taking the lead in facilitating the organisation of the mission.

1. INTRODUCTION

One of the major results expected from PRINT Livestock project is the establishment of the Livestock Information Management System (LIMS). 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 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.

2. MAIN OBJECTIVES OF THE MISSION

- 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 to enable them to operate 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 Mauritius 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, Gerard Oosterwijk and Gift Wanda, between 11 and 20 November 2008 in Mauritius.

3. ITINERARY

Day	Dates	Itinerary
1	Tuesday, 11 November 2008	Travel from Gaborone to Mauritius, Quatre Bornes
2	Wednesday, 12 November 2008	Meeting key persons of MoA, Reduit
3	Thursday, 13 November 2008	Preparations for Stakeholders Meeting, Quatre Bornes
4	Friday, 14 November 2008	LIMS Stakeholders Meeting, Quatre Bornes
5-6	15 – 16 November 2008	Weekend & preparations for Training, Quatre Bornes
7-9	17 – 19 November 2008	LIMS Training of Trainers, Reduit
10	Thursday, 20 November 2008	Travel back from Mauritius to Gaborone

4. PERSONS MET

No.	Name	Designation / Organization
1	Mr. Virabhimanyu Punchoo	Chief Agricultural Officer, Ministry of Agro-Industry, Food Production and Security (MoAIFP&S)
2	Dr. Deodass Meenova	Principal Veterinary Officer, Division of Veterinary Services (DVS)
3	Dr. Bagwanduth Neerunjun	Senior Veterinary Officer, DVS
4	Dr. Mahmad Reshad Jaumally	Assistant Senior Veterinary Officer, PRINT Focal Person, DVS
5	Mrs. Koussa Bibi Faeza	Ministry of Finance & Economic Empowerment, Central Statistical Office
6	Mrs Nasreen Joomun	Ministry of Finance & Economic Empowerment, Central Statistical Office

5. LIMS STAKEHOLDERS MEETING

The official launching of LIMS and AIMS in Mauritius and the Stakeholders Meeting took place on 14 November 2008 at Gold Crest Hotel, Quatre Bornes. The meeting was attended by 26 participants, mainly from the Ministry of Agro-Industry, Food Production and Security but also from the Private Sector and others. The detailed list of participants is attached as annex 2.

The Principal Veterinary Officer, Dr. Deodass Meenova, welcomed the participants and requested the Chief Agricultural Officer, Mr. V. Punchoo to officially launch LIMS and AIMS. Mr. Punchoo emphasised in his LIMS launching speech that LIMS is in line with the Government of Mauritius efforts of pursuing national development using a result-based agenda and the focus on evidence-based policy with 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.

As part of creating awareness, the Mauritius Broadcasting Corporation (MBC) covered the launch of LIMS.

During the stakeholders meeting the following presentations 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

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

- The huge data collection task at field level and coordination of data entry at HQ level.
- The plans to include missing components of LIMS, such as animal genetic resources (breeding), rangeland management, etc.
- How to share information generated from LIMS with other local institutions
- How to share information generated from LIMS (e.g Health and Trade) with other international institutions (e.g. OIE and COMESA). It was noted that the COMESA Website is not regularly updated and participants wanted assurance that the same thing will not be true for the LIMS portal.

- Questions were raised as to how reliable information is from traditional livestock farmers who cannot read and write.
- It was also observed that for Mauritius, poultry data is only available in food balance sheets as opposed to census. In addition, some participants observed that poultry census data may not be accurate in view of the short cycle nature.
- Honey should be included as a livestock product, as bees are classified as animals in OIE code.
- In Module 1 (Human Population), it was proposed that the title “Human population farming livestock” should read “Human population engaged in livestock”.
- The definitions of predominant production systems in SADC should be harmonised.
- Assurance of long term SADC assistance for LIMS maintenance and feedback (=AIMS).
- Not much interest was shown in the division of Male and Female led House Holds **engaged** in Agriculture and Livestock (module 2) as this classification is not practised in Mauritius.
- Mauritius currently does not have partition level 2 but discussions are underway to consider inclusion of this level this level.

Figure 1: Participants LIMS Stakeholders Meeting at Gold Crest Hotel on 14 November 2008



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 or Institution (see table 2). It was agreed that these Departments or Institutions come up shortly with names of people assigned to coordinate data collection for the specific LIMS modules. Dr. Jaumally was requested to be the overall LIMS Coordinator.

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

Module	Data sources	Coordinator
1: Livestock numbers and composition	<ul style="list-style-type: none"> - Rodrigues Regional Assembly (RRA) - Agricultural Research and Extension Unit (AREU) - Mauritius Meat Producers Association (MMPA) - Mauritius Deer Farming Cooperative (DFC) 	Principal Extension Officer (PEO) Livestock)
2: Human population farming livestock	<ul style="list-style-type: none"> - Central Statistical Office (CSO) 	CSO
3: Livestock products	<ul style="list-style-type: none"> - Mauritius Meat Authority (MMA) - Division Veterinary Services (DVS) - Animal Production Division (APD) - Mauritius Consumer Federation (MCF) 	DVS
4: Livestock and livestock products prices (Marketing)	<ul style="list-style-type: none"> - CSO 	CSO
5: Livestock and livestock products (Trade)	<ul style="list-style-type: none"> - CSO - Ministry of Trade and Commerce (MOT&C) - Customs 	Ministry of Trade and Commerce (MOTC)
6: Infrastructure	<ul style="list-style-type: none"> - Ministry of Agro-Industry, Food Production and Security (MoAIFP&S) 	PAE
7: Meat Inspection	<ul style="list-style-type: none"> - MMA - DVS - Ministry of Health (MoH) 	MMA
8: Associations Livestock Farmers & Service Providers	<ul style="list-style-type: none"> - MMPA - Ministry of Cooperatives, Trade and Shipping (MCTS) - AREU - Federation of Farmers 	AREU
9: Laws, Regulations & Acts	<ul style="list-style-type: none"> - MoAIFP&S - Ministry of Environment 	MoAIFP&S
10: Disease report	<ul style="list-style-type: none"> - DVS 	DVS
11: Vaccination report	<ul style="list-style-type: none"> - DVS - Association of Poultry Farmers 	DVS

6. TRAINING OF TRAINERS ON LIMS TEMPLATES AND APPLICATION

A total of nine trainees were nominated by different departments for the Training of Trainers (see annex 4). The training took place at the HQs of the Ministry, at the Division Veterinary Services (DVS) at Reduit.

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

Figure 2, LIMS template and application training in Mauritius 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 also 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 2. During the training of the three days, most of the 11 modules were covered, first by demonstration followed by exercise using live and in some cases dummy data. Due to time shortage, some of the modules were 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 relatively smoothly. However, the following observations were made.

1. The number of computers at DVS is limited, consequently we had few computers at the beginning of the training. Not enough computers were available for each participant during the training as two people were made to share one computer. This problem was further compounded by the incompatibility of Access 2002 on two computers with the version of LIMS. Some computers did not even have Access of any version. In addition, some of the

available computers, like the newly procured LIMS computer, had not the proper MS Office software (LIMS cannot run on Office 2000). During the training session some computers were upgraded with a pirate copy of Office 2003 while waiting to acquire from the Ministry for a proper legal copy.

2. The yearly data reports from CSO are relatively fast available. But the CSO data does not always easily fit in the LIMS templates. Example 1: The livestock numbers for cattle, sheep, pigs, etc are compressed to total population figures only, without sub-columns for breeds, economic function, herd structure, etc. It seems that AUREU (initial source for CSO data) has more comprehensive data. Example 2: CSO uses for trade the SITC coding of the UN (not the HS coding) up to 8 digits. Although a conversion rate is available, it requires professional assistance to arrive at appropriate HS levels. Websites related to CSO are: <http://www.gov.mu> and <http://statsmauritius.gov.mu>

The following problems were encountered with the LIMS version 16Oct08:

1. Module 2 – House Holds. The query calculation or the label is wrong as it calculates Livestock owned by Total House Holds. The definition of households versus family units should be made clear in the LIMS Manual.
2. Module 3 – Livestock Products. The queries regarding production quantities do not mentioned unit of measure.
3. Module 5 – Participants observed that there is need to find a shortcut for entering data with HS codes in the event that you have a long list of products to re-enter e.g. data from Customs. For Mauritius, a unique problem arises with respect to HS codes in that they use HS 8, as opposed to HS 6 (the international one) and yet have no description for HS 6,4 and 2. This is further converted to the SITC (UN HS system for publication). Extracting HS 6 from HS 8 is theoretically possible through truncating with the comma separating facility in Excel, but when tried, some definitions still do not match very well with the SITC (UN) system used in Mauritius. In addition, Mauritius would like to include monkeys under live animal exports as they export them to United States and other countries.
4. Module 6 - Infra Structure Detailed. Records cannot be saved.
5. Module 11 – Vaccination. Records cannot be saved.
6. Module 11 – Vaccination. Labels of queries have been switched (label “Vax by source & lot no” and label “Foci & area of vax”).
7. Query for vaccination figures and coverage was not activated
8. General for all the automated reports of the modules. How to capture data of reports that has more than 14 columns. Likely a page 2 is required?
9. The instructions for the Back-Up procedure need to be elaborated as both the .mdb file and the .txt file need to be saved and restored when installing again the LIMS version. This was not known during the training and resulted that the back-up practice was a frustrating failure.

At the end of the three days training, a general discussion was conducted with the participants. The trainees expressed their satisfaction with the LIMS performance, but stressed that LIMS requires a full-time dedicated Livestock Information Officer to become viable in Mauritius.

All the trainees received a CD containing training materials, a copy of the LIMS application and templates, SOP, presentations on LIMS and AIMS, among others (see table 2 for the detailed list of contents).

Table 2: 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_MU.ppt
	LIMS MU_PRINT AIMS LIMS Network GO 14Nov08.ppt
	LIMS Introduction Ver4 14Nov08_MU.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
Lists of participants	Stakeholders Meeting and Training Session

7. DATA COLLECTION

The third objective of this mission was to collect livestock data from different sources in the country. The Central Statistic Office was visited and following publications were acquired

- Digest of Agricultural Statistics Year 2006
- Digest of External Trade Statistics Year 2006
- Mauritius in Figures 2007
- A document on conversion of the SITC to HS
- A floppy disk containing livestock trade data for the year 2007.

Senior statisticians attended the Stakeholders Meeting and also spent some time during the training session discussing module 5 -Trade. This networking should mature and need to result in capturing data on a regular basis for Module 5 – Trade.

8. OTHER MATTERS

During the mission, the reporting officers used the opportunity to discuss other matters of concern with relevant officers. A general observation made by staff from the Principal Veterinary Officer in the training was that in Mauritius, there is no person dedicated to manage disease data compilation at national level for onward submission to other stakeholders e.g. SADC Secretariat, hence the delays in submission of reports as exemplified by the absence of disease reports from Mauritius at SADC since January 2008.

9. CONCLUSION AND THE WAY FORWARD

The overall assessment of the mission shows that the objectives were met. However the LIMS Adoption Mission needs follow-ups regarding training and data entry to keep the momentum going. A LIMS application version without bugs is a prerequisite before additional training in LIMS can take place. Only when these two conditions are in place (a LIMS application without bugs and confident trained LIMS operators), the next phase can take place: entering real data following the LIMS templates and sending the data set to the SADC Secretariat. However, this requires a full time Livestock Information Coordinator to make the national LIMS viable and sustainable.

Annex 1: Agenda for LIMS Stakeholders Meeting, 14 November 2008



SADC/FANR/PRINT Livestock Project
AGENDA
THE LIVESTOCK INFORMATION MANAGEMENT SYSTEM (LIMS)
STAKEHOLDERS MEETING, 14 NOVEMBER 2008
Gold Crest Hotel, Quatre Bornes, MAURITIUS



8:00 – 8:30	Arrival & Registration
8:30 – 08:45	Introduction & Welcoming remarks: Principal Veterinary Officer
08:45 – 09:15	Opening address and launch of LIMS: Chief Agricultural Officer, Ministry of Agro-Industry, Food Production and Security
09:15 – 09:45 Tea/Coffee Break	
09:45 – 10:00	Introducing PRINT Livestock Project - Mr. Gerard Oosterwijk
10:00 – 10:15	Background of AIMS/LIMS Portal – Mr. Gerard Oosterwijk
10:15 – 10:30	Discussions
10:30 – 11:00	Introduction to LIMS – Dr. Gift Wanda
11:00 – 11:15	Discussion
11:15 – 12:15	Demonstration of the LIMS templates - Mr. Gerard Oosterwijk
12:15 – 12:30	Discussion
12:30 – 13:00	Demonstration of LIMS database – Dr. Gift Wanda
13:00 – 14:00 LUNCH	
14:00 – 14:30	Demonstration of LIMS database (Cont.) – Dr. Gift Wanda
14:30 – 14:45	Demonstration of LIMS Portal - Dr. Gift Wanda
14:45 – 15:00	Discussion
15:00 – 15:30	Data sources and networking with stakeholders – Mr. Gerard Oosterwijk
15:30 – 16:00	Discussion
16:00 – 16:15	Closure
16:15	Tea/Coffee Break



Annex 2: Timetable for Training on the LIMS template and application



AGENDA FOR LIMS TRAINING OF TRAINERS, 17 to 19 November 2008, VENUE – DIVISION OF VETERINARY SERVICES, MINISTRY OF AGRO-INDUSTRY, FOOD PRODUCTION AND SECURITY

DAY 1 – Monday 17 November 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 – 13:00	Data entry, modification and saving <ol style="list-style-type: none">1. Livestock numbers and composition (Module 1 – Template and database)
13:00 – 14:00	LUNCH
14:00 - 14:30	Data entry, modification and saving (continued) <ol style="list-style-type: none">1. Livestock numbers and composition (Module 1 - Template and database)
14:30 – 15:30	<ol style="list-style-type: none">2. Livestock Products (Module 3 - Template and database)
15:30 – 16:00	TEA BREAK
16:00 – 17:00	<ol style="list-style-type: none">3. Livestock Trade (Module 5 - Template and database)

DAY 2 – Tuesday 18 November 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">4. Livestock Infrastructure (Module 6 - Template and database)

10:30 – 11:00	TEA BREAK
11:00 – 11:30	Data entry, modification and saving (continued) 5. Meat Inspection (Module 7 - Template and database)
11:30 – 13:00	Data entry, modification and saving (continued) 6. Laws, regulations and acts (Module 9 - Template and database) Data entry, modification and saving (continued) 7. 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)

DAY 3 – Wednesday 19 November 2008

8:00 – 9:00	Revision of day 2 - Discussion
9:00 – 10:30	Building queries, generating reports and exporting query results (continued) 4. Meat Inspection (Module 7) 5. 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 – 13:00	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	TEA BREAK
16:00 – 17:00	General Discussion Installation and configuration of clean copy of the database End of training course

Annex 3: List of participants LIMS Stakeholders Meeting held at Gold Crest Hotel, Quatre Bornes, 14 November 2008

PARTICIPANTS MAURITIUS PRINT – LIMS STAKEHOLDERS MEETING, 14th NOVEMBER 2008

	NAME	G	DoB	DESIGNATION	ORGANISATION	ADDRESS	PHONE (+230)	EMAIL
1	Dr Meenowa Deodass	M	31.07.1955	Principal Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	466 0945/4666917 254 0224 Fax: 4642210	dmeenowa@mail.gov.mu
2	Dr Neerunjun Bagwandath	M	18.10.1953	Senior Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Service, Reduit	454 4111/ 254 1011 254 1011 Fax: 4642210	KnineSurgery@yahoo.com
3	Dr Jaumally Mahmad Reshad	M	05.12.	Ag. Senior Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	756 2000	jaumally@orange.mu
4	Dr Timul Siddick Khemil Ibrahim	M	04.09.1958	Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	791 2814	sidtimul@yahoo.co.uk
5	Dr Jauhangeer Aboo Bakar Siddick	M	12.08.1977	Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	Tel: 6981208 Mob: 76352720	N/A
6	Dr Soliman Mohammad Iqbal	M	08.07.1952	Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	Tel: 4134979 Mob: 7282612	rosidasoliman@hotmail.com
7	Dr Dooky Cassam	M	29.04.1950	Senior Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	670 4919/454 1016 754 5023	sabeena@intnet.mu
8	Dr Samoisy Karen Onai	F	19.08.1978	Veterinary Officer	Commission for Agriculture, RRA	Citronelle Rodrigues	831 4445/ 832 5507 876 3413	karensamoisy@yahoo.com Karen-onai@yahoo.co.uk
9	Mr Damoo Mahmad Iqbal	M	13.08.1958	Ag. Principal Extension Officer	Extension & Training Department	FSC Building, St Pierre, Mauritius	433 4378	
10	Mrs Lionnet Michele	F	05.03.1953	Secretary/treasurer	MMPA	Plantation House, Port Louis	210 6540 423 5030 Fax: 210 8540	Mlionnet.mmpa@mca.intnet.mu
11	Mr Mooneeramsing Chandrashekar	M	12.05.1961	Research and Development Officer	Ministry of Agro-Industry, Food Production & Security	Animal Production Division, Reduit	466 0021 787 6673	
12	Mr Radha Preetam	M	19.11.1955	Principal Trade Officer	Ministry of Business Enterprise & Cooperative	4 th floor, Anglo Mauritian Building, Port Louis	210 1079 774 4361 Fax: 208 7325	pradha@mail.gov.mu
13	Dr Saddul Devika	F	13.12.1964	Research Scientist/Senior Research Scientist	Agricultural Research & Extension Unit	Newry Building, St Jean Road, Quatre Bornes Mauritius	464 4876/ 466 3885 911 2983 Fax: 4648809	livestock@areu.mu

14	Mr Ramnauth Rabindr Kumar	M	10.11.1952	Research Scientist/Senior Research Scientist	Agricultural Research & Extension Unit	Curepipe Livestock Research Station, St Stevenson, Curepipe	670 3885 758 2829 Fax: 675 2013	areu@intnet.mu livestock@areu.mu
15	Mrs Ramasawmy- Chellen Gokilambal	F	24.10.1974	Research Development Officer	Ministry of Agro-Industry, Food Production & Security	Animal Production Division, Reduit	466 0021 731 4375 Fax: 465 8510	Gramasawmy- chellen@mail.gov.mu gramaswamy@yahoo.com pseenauth@mail.gov.mu
16	Mr Seenath Pradooman	M	02.08.1951	Senior Statistical Officer	Ministry of Finance & Economic Empowerment Central Statistical Office	Central Statistical Office, LIC Building – Port Louis		
17	Mrs Koussa Bibi Faeza	F	02.07.1969	Statistician	Ministry of Finance & Economic Empowerment Central Statistical Office	Central Statistical Office, LIC Building – Port Louis	213 3073/ 212 2316 760 9453 Fax: 211 4150	fkoussa@mail.gov.mu
18	Mrs Teeluck Chaya	F	27.02.1963	Senior Extension Officer	Agricultural Research & Extension Unit	1 st floor Extension HQs, FSC Building, St Pierre	424 4485 256 1257	chayateeluck@hotmail.com
19	Mrs Nursimooloo- Bundhoo Lolita	F	06.07.1972	Extension Officer	Agricultural Research & Extension Unit	1 st floor Extension HQs, FSC Building, St Pierre	466 6840 782 7533	areuext@intnet.mu
20	Mr Cupidon Jean Daniel	M	29.07.1969	Technical Assistant	Agriculture	Trefles, Rodrigues	831 8329/ 831 4451	N/A
21	Mr Gontran Jean Linosaye	M	26.09.1964	Technical Officer	Agriculture	Terre Rouge, Rodrigues	875 3007	samgontran@intnet.mu
22	Mr. Shimadry Arvind Rajiv	M	16.09.1965	Senior Extension Officer	Agricultural Research & Extension Unit	1 st floor Extension HQs, FSC Building, St Pierre	433 4378 256 1312 Fax: 433 9351	Rajiv1609@hotmail.com Rajiv1609@servihoo.com
23	Mr Elysee Joseph Serle Raymond	M	23.01.1964	Technical Officer	Ministry of Agro-Industry, Food Production & Security	Animal Production Division, Reduit	712 5764	N/A
24	Mr Bedacee Rekhanabd	M	10.05.1979	Extension Officer	Agricultural Research & Extension Unit	Newry Complex Building, Quatre Bornes	4189951 7124339	arvindk@hotmail.com
25	Mr Yee Tong Wah Kit-Lin	M	05.10.1952	Ag. Principal Research Dev Officer	Ministry of Agro-Industry, Food Production & Security	Animal Production Division, Reduit	466 0011/21 776 3317 Fax: 465 8510	Kyee-tong- wah@mail.gov.mu
26	Mrs Marie Jeanne Rose	F	08.05.1983	Technical Officer	Ministry of Agro-Industry, Food Production & Security		417 6597 757 1474 Fax: 4648510	rosaldo@mail.com

26 participants (8 females) attending LIMS stakeholders' workshop on 14 November 2008

Annex 4: List of participants of the LIMS Training Session

**PRINT – LIMS TRAINING SESSION 17 - 19 NOVEMBER 2008,
MINISTRY OF AGRO INDUSTRY, FOOD PRODUCTION & SECURITY
DIVISION OF VETERINARY SERVICES, ANIMAL HEALTH LABORATORY, REDUIT**

	NAME	G	DoB	DESIGNATION	ORGANISATION	ADDRESS	PHONE (+230)	EMAIL
1	Dr. Neerunjun Bagwandath	M	18.10.1953	Senior Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	454 4111/ 254 1011 254 1011 Fax: 4642210	KnineSurgery@yahoo.com
2	Dr. Jauhangeer Aboo Bakar Siddick	M	12.08.1977	Veterinary Officer	Ministry of Agro-Industry, Food Production & Security	Division of Veterinary Services, Reduit	Tel: 6981208 Mob: 76352720	N/A
3	Dr. Samois Karen Onai	F	19.08.1978	Veterinary Officer	Commission for Agriculture, RRA	Citronelle Rodrigues	831 4445/ 832 5507 876 3413	karensamoisy@yahoo.com Karen-onai@yahoo.co.uk
4	Mr. Mooneeramsing Chandrashekar	M	12.05.1961	Research and Development Officer	Ministry of Agro-Industry, Food Production & Security	Animal Production Division, Reduit	466 0021 787 6673	
5	Mrs. Nursimooloo-Bundhoo Lolita	F	06.07.1972	Extension Officer	Agricultural Research & Extension Unit	1 st floor Extension HQs, FSC Building, St Pierre	466 6840 782 7533	areuext@intnet.mu
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9 participants (3 females) attending LIMS training session 17 - 19 November 2008

