



Improving Productivity & Market Success of Ethiopian Farmers

14th Progress Report (April – September 2011)



**Canadian International
Development Agency**

**Agence canadienne de
développement international**



List of Abbreviations

AGP	Agricultural Growth Program
ATA	Agricultural Transformation Agency
ARARI	Amhara Region Agricultural Research Institute
AHI	African Highland Initiative
AI	Artificial Insemination
ATVET	Agricultural Technical Vocational Education and Training College
ASSP	Agricultural Sector Support Project
BBM	Broad Bed Maker
BoARD	Bureau of Agriculture and Rural Development (at regional level)
BOAM	Business Organization and their Access to Markets
BPR	Business Program Reengineering
CA	Contribution Arrangement
CAD	Canadian Dollar
CBD	Coffee Berry Disease
CBO	Community-Based Organizations
CGIAR	Consultative Group on International Agricultural Research
CIAT	Centro Internacional de Agricultural Tropical
CIDA	Canadian International Development Agency
CIMMYT	International Maize and Wheat Improvement Centre
CIP	International Potato Centre (Peru)
CPPSLM	Country partnership program for sustainable land management
DA	Development Agent
DDG	Deputy Director General
DG	Director General
DVM	Doctor of Veterinary medicine
EARS	Ethiopian Agricultural Research Systems
EAP	Ethiopian Agricultural Portal
ECCO	Ethiopia-Canada Cooperation Office
ECEX	Ethiopian Commodity Exchange
EDRI	Ethiopian Development and Research Institute
EEPA	Ethiopian Export Promotion Agency
EIAR	Ethiopian Institute for Agricultural Research (formerly EARO)
EMDTI	Ethiopian Meat and Dairy Technology Institute
EPA	Environmental Protection Agency
ESSP	Ethiopian Strategy Support Program
ESE	Ethiopian Seed Enterprise
FA	Field Assistant
FAP	Fodder Adoption Project
FAO	Food and Agricultural Organization
FRI	Farm Radio International
FTC	Farmer Training Center
GoE	Government of Ethiopia
GTP	Growth and Transformation Plan
HIV	Human Immune-Deficiency Virus

IARC	International Agricultural Research Center (not limited to CGIAR)
ICIPE	International Centre of Insect Physiology and Ecology
ICRAF	World Agroforestry Centre
IFPRI	International Food Policy Research Institute
IFAD	International fund for Agricultural development
IIDP	Integrated Institution Development Program for Ethiopia
ILRI	International Livestock Research Institute
IPMS	Improving Productivity and Market Success
ISNAR	International Service for National Agricultural Research
IWMI	International Water Management Institute
JARC	Jimma Agricultural Research Center
KM	Knowledge Management
LoA	Letter of Agreement
LoL	Land O'Lakes
MARC	Melkassa Agricultural Research Centre
M & E	Monitoring and Evaluation
MoA	Ministry of Agriculture (Ethiopia)
MoFED	Ministry of Finance and Economic Development (Ethiopia)
MoU	Memorandum of Understanding
NAIRC	National Agricultural Information Resource Centre
NALC	National Advisory and Learning Committee
NGO	Non-Governmental Organization
NRM	Natural Resource Management
OARI	Oromiya Agricultural Research Institute
PA	Peasant Association/also referred to as "Kebele"
PADEP	Peasant Agricultural Development Programme
PADETES	Participatory Demonstration and Training Extension System
PI	Performance Indicators
PIP	Project Implementation Plan
PLW	Pilot Learning Woreda (Previously PLS)
PM&E	Participatory Monitoring and Evaluation
PMF	Performance Measurement Framework
PRA	Participatory Rural Appraisal
PSC	Project Steering Committee
R&D	Research and Development
RALC	Regional Advisory and Learning Committees
RARI	Regional Agricultural Research Institute (Ethiopia)
RBM	Result Based Management
RCBP	Rural Capacity Building Project
RDAs	Research and Development Assistants
RDOs	Research and Development Officers
REDFS	Rural Economic Development and Food Security
RELC	Research Extension Liaison Committees
RRDFA	Regional Rural Development Fund Administration
SACCO	Saving and Credit Community Organization
SARI	Southern Agricultural Research Institute

SMS	Subject Matter Specialist
SNNPR	Southern Nation Nationalities and People's Region
SNV	Netherlands Development Organization
SWISHA	Sustainable Water Harvesting and Institutional Strengthening in Amhara Region
TARI	Tigray Agricultural Research Institute
TOT	Training of Trainers
TAMSA	Tigray Agricultural Marketing Support Agency
USAID	United States Agency for International Development
WALC	Woreda Advisory and Learning Committee
WB	WorldBank
WHIST	Water Harvesting Institutional Strengthening Tigray
WKC	Woreda Knowledge Center

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Executive summary

In the past six months, the project focused its activities on scaling up and out its approaches and value chain interventions through capacity development, documentation and knowledge sharing/promotional activities. It also continued its action research with regional research and development partners in support of the development of mobile regional/zonal AI teams through training, technical assistance, workshops and supply of essential supplies such as hormones and sex fixers. It also undertook several activities aimed at gradually phasing out the project.

Knowledge sharing, capacity development and promotion for scaling out/up

To share knowledge on agricultural development through the internet, the project organized a series of short seminars on the Ethiopian Agricultural Portal (EAP) with targeted (research, development and educational institutions) audiences in 3 Regions as well as presentations during major workshops and conferences. To facilitate the handing over of the portal to the Ministry, a staff in the ministry was trained in IT aspects of the portal by a consultant. Content contribution/entering by the Ministry will be discussed with the Ministry's Planning and Programming department to complete the handing over process.

The project organized a national workshop (June 2 and 3) to share knowledge on its approaches and interventions. It used a mixture of presentation/ discussion and exhibition sessions around 3 main themes i.e. i) knowledge management/capacity development, commercialization process, gender and environment ii) livestock commodity value chain development and iii) crop commodity value chain development. A total of 136 participants from PLWs, Regions and Federal level attended the event. Local media covered the event and extensive international coverage took place via the worldwide web. A summary report and other social media linkages are posted on the IPMS website (<http://www.ipms-ethiopia.org/Documents-Publications/Workshops-Meetings-.asp>) and <http://ipms.wikispaces.com>.

In Amhara region, the project also contributed to scaling out of approaches and interventions for dairy and apiculture development in the Regional Livestock Agency workshop. For the apiculture value chain development, project staff also contributed to the development of the apiculture strategy for the Amhara Region. A total of 110 participants from the regional and zonal offices participated.

The project entered into an agreement with Farm Radio International (FRI) to develop a

program series on value chain development for apiculture (based on the Atsbi experience) and fruits (based on the Dale experiences). Programs were developed with project staff and other stakeholders and have been transmitted through the Dimtsi Woyane Radio station in Tigray and the Sidama Community Radio station in the SNNPR. FRI also conducted a study aimed at identifying information for i) developing the broadcast series (content and listening behavior) and ii) to establish a base line to determine the effectiveness of the broadcasts. Project locations and control areas (outside the PLWs) were selected for this study by the stakeholders and the final assessment study to see the impact of the radio series is scheduled upon completion of the broadcasts.

At the suggestion of the Steering Committee, discussions were held in the Regions and at the Federal level with Agricultural Growth Program (AGP) coordinators to integrate IPMS capacity development and knowledge sharing into this major program. As a result, training on result based monitoring and evaluation (RBM&E) was held for AGP and regional staff in the SNNPRS, based on the manual developed by IPMS. Furthermore, federal level courses for AGP coordinators on RBM&E and gender mainstreaming are being developed by AGP and IPMS staff, in part based on training materials developed by IPMS. Course delivery with the help of IPMS staff is scheduled for the last quarter of 2011. In the past six months, most AGP Woredas were in the process of identifying potential commodities for market oriented development. When commodities are identified, visits by community leaders and extension staff to nearby IPMS sites will be planned.

The on-going MSc and BSc capacity development activities resulted in the completion/graduation of another 7 project supported MSc thesis/students and 8 BSc students (of which 9 are female).

To strengthen the capacity of educational institutions, the sericulture processing equipment purchased by IPMS at the request of the MoA was installed at Alage ATVET, staff members were trained by consultants from the supplying company and the equipment is being used to train students.

The project also completed/revised and duplicated project brochures on good practices and results on value chain development for dairy, meat, apiculture, fruit and vegetables. Posters summarizing the findings for these commodities as well as for pulses, cereals and coffee were also prepared. IPMS staff also summarized a brochure and posters on good practices on gender interventions. A synthesis of knowledge management interventions and special studies conducted on FTCs and Woreda Knowledge Centres were completed.

All materials were used during the national workshop and are uploaded on the project website (www.ipms-ethiopia.org).

Developing and testing alternative AI delivery system to genetically improve dairy and meat production

The pregnancy diagnosis conducted on cows which were treated with estrous synchronization hormones and then inseminated by mobile regional teams in milk sheds in Tigray and SNNPRS earlier this year, showed that around 60% of the inseminated cows were pregnant. This is more than double the national average after first insemination (usually between 20 and 30%). This indicates that the new system has potential to become a more effective and efficient system – AI technicians handled on average 50 cows/per week instead of 5 to 6 under the normal service delivery system. However experience so far has shown that high quality capacity building and major organizational arrangements have to be made to make the new system functional for scaling out.

A 2 day workshop was organized to share experiences and review regional and federal level plans for AI in general and action research on mass insemination. Furthermore, presentations and discussion were held in each of the Regions to create awareness and funding support for research and development activities. In each of these events, it is emphasized that even though this mass insemination intervention is key for dairy development, it cannot stand by itself and needs to be complemented by programs developing other value chain interventions including fodder development, health service systems, processing and marketing.

A second action research campaign was launched in milk sheds in SNNPR and Tigray in September and October to generate more data and to use some of the suggestions made for improving effectiveness of the AI– i.e. double insemination during the heat period and use of sex fixer to increase the probability of female calves. In total nearly 1,400 cows were treated with hormones and around 1,200 cows were inseminated of which about half were treated with sex fixer. It was noted that response to hormone treatment in some of the SNNPRS sites was considerably lower than in the first campaign.

Phasing out of the project

Project staff were withdrawn from all PLWs in April and relocated to the Regional offices. Terminal reports were written and presented during the final closing workshops which were held in each PLW. Problems and opportunities for “second generation” interventions were discussed during these workshops to ensure sustainability of the market oriented

development approach by the farmers and public and private sector stakeholders. In all PLWs, stakeholders acknowledged the IPMS contribution in terms of knowledge, technical assistance and capacity development, especially since most projects in the past had focused more on the supply of financial and material inputs. These closing workshops were attended by farmers, value chain actors and staff in the Woreda as well as representatives from the 4 Regions and 10 Zones. In total 746 participants attended the workshops.

All operational funds/expenditures handled by the Woredas for the year 2010/11 were settled. Equipment and furniture were handed over in seven of the PLWs. Handing over of motorcycles and pickups is in progress in consultation with the federal MoA, in particular with the procurement department and ILRI's liaison office. Similarly, the status of the IPMS credit funds has been assessed with the lending institutions in each of the PLWs to determine the amounts to be transferred to each Woreda. Based on the funds available (cash/outstanding loans) in the lending institution, new agreements were prepared and signed between the lending institutions and the Woreda Administrations to handle the funds for future value chain innovations. This process is completed in 7 PLWs.

At the end of September, project staffs in the Regions were reduced to one regional coordinator and a driver, while staffs at IPMS HQ were also reduced to 3 international staff and 5 national staff plus support staff. Some of the gaps in expertise are filled with consultancy staff in particular for knowledge management and gender.

1 Knowledge Management

During the past six months, project staff concentrated on consolidating the Ethiopian Agricultural portal, including promotional seminars in the Regions, the sharing of successful practices using radio programs with the help of FRI and local radio stations in Tigray and the SNPPR. Also, final reports were written for each of the Pilot Learning Woredas, which were shared in workshops with Woreda, Zonal and Regional stakeholders. A brief summary of each of these activities is presented below

1.1 Ethiopian Agriculture Portal

At the federal level, the Ethiopian Agricultural Portal has become an important knowledge and information sharing tool for the MoA. A testament to this fact is the recent decision by the ministry to release commercial land lease records via the portal. Inclusion of best practices promoted by the MoA in the EAP is another example that the ministry has embraced the EAP as one of its key information sharing tools. The EAP logo and link is also featured prominently on the front page of the newly designed MoA website (www.moa.gov.et). During the past six months, the promotion of the EAP was a major part of IPMS' program of work. Several activities have been undertaken to that effect.

- A new version of the EAP was recently launched and several promotional activities were held to raise awareness on all the features available on the EAP. During these promotional sessions, the project also tried to broaden the pool of content contributors. The following promotional sessions took place (see **Annex 1** for details):
 - In the closing workshop of IPMS
 - In the international workshop of the Ethiopian Economic Association
 - In Amhara to seven research, development and education institutions where 300 people in total attended
 - In Oromia to five research, development and education institutions where a total of 80 people attended
 - In Tigray Region where 92 people from four research, development, education and a regional NGO attended
- To further increase awareness nationally and internationally, the following activities were undertaken
 - Posters of EAP and wallet size calendars were distributed to seminar and workshop attendees
 - Contacts were made with universities, and relevant organizations to link EAP to their website
 - Some social media pages; Facebook, flicker, slide share are actively working

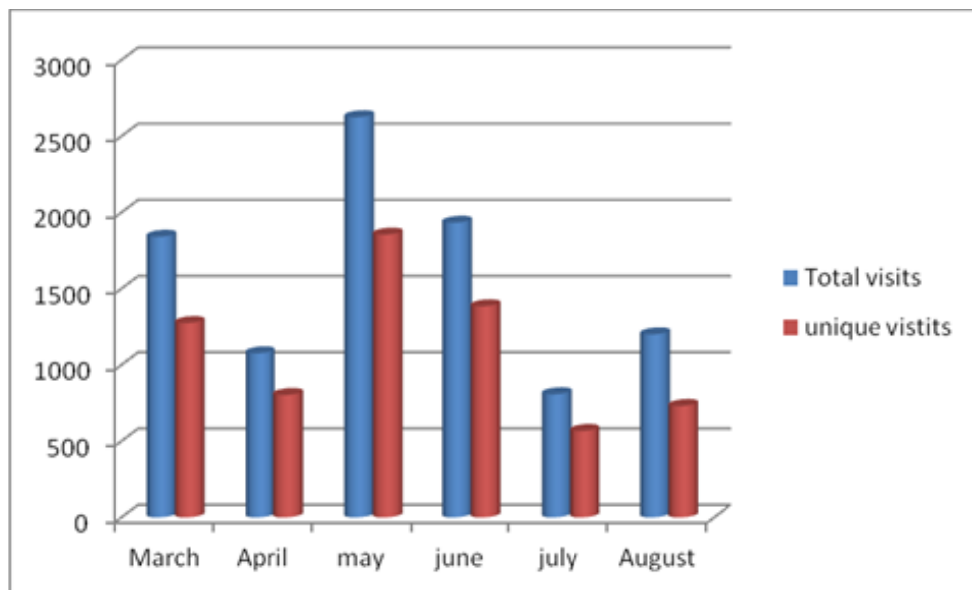
and EAP is being promoted through them

- We have continued to provide assistance to the MoA for further development of the EAP
 - A training focusing on content as well as technical aspects of managing the EAP was provided to MoA IT staff and IPMS has turned over official development and maintenance of EAP to the ministry. IPMS will however continue to do EAP promotions as well as content provision until the end of the project, while strongly encouraging greater ownership of content provision to the various stakeholders that should naturally feed and sustain such a system
 - UPS batteries were bought for the EAP servers at MoA based on a request that came from the MoA
- Many new (local) language documents were added to the portal during the past six months including documentation on fisheries and wheat that were collected from the Amhara bureau of agriculture and ARARI
- The project also focused on preparing an offline version of the EAP which contains updated materials – reflecting the latest version available online. While the offline copy by definition cannot provide access to links to other website resources, it contains full text documents available on the EAP. This has been done and copies of the DVD have been widely distributed at every opportunity to do so. This will ensure that potential users that do not have regular access to the Internet can benefit from most of the content on the EAP
- A paper on the overview of EAP is on the way for ESAP's national conference in December (see documentation)

Utilization of EAP has been inconsistent during the past several months mainly due to problems with electricity at the MoA.

In order to mitigate portal unavailability due to frequent power outages, IPMS suggested that the MoA consider an alternative hosting site. No decision has been made by the MoA regarding this recommendation. IPMS has indicated its readiness to support the hosting of EAP in another location in Ethiopia or internationally.

Following is a summary report from Google Analytics on visits to EAP site during the reporting period.



Use of EAP in the period March-August 2011 (Source Google analytics)

* Unique visitors are counts of the first time users of the EAP

1.2 Radio programs

Another major effort to promote value chain based commodity development in and outside the PLWs was the use of radio programs for knowledge sharing. IPMS in collaboration with trainers from FRI facilitated the preparation and airing of radio programs focusing on value chain development on selected commodities (apiculture in Tigray and fruits in SNNPR). The first step taken by the trainers was to evaluate the existing program delivery methods by the respective radio stations and identify the gaps. FRI also commissioned a study in both PLWs and control sites to generate technical and “listeners’ preferences/behavior” information for the programs. Based on their assessment, the FRI-affiliated trainers conducted capacity building design workshops to the respective radio station staff in order to help them develop their skills in producing quality and engaging radio programs.

The commissioned studies indicated that:

- Farmers at the two Woredas with IPMS intervention benefited from improved productivity
- Farmers in the two control Woredas with no IPMS intervention eagerly want to know about methods and processes that would help them improve productivity
- Farmers in the four selected Woredas listened to the radio stations: in Tigray, Dimtsi Woyane is preferred over other radio stations for its historical link with the community while in SNNPR, the Sidama community radio is preferred for its use of local language

The broadcasts of the participatory agricultural radio series (PARS) were made in the months of August and September and the project has been supplied with copies of the

broadcasts (in local languages).

- Dimtsi Woyane Radio Station started the PARS from August 19 onwards for seven consecutive weeks. The last week was an extension of week six as there was a lot of feedback from listeners
- Sidama Community Radio broadcasted the PARS from 27th of August onwards for six consecutive weeks
- A repeat of each broadcast was made in the same week that each series was broadcasted

A final assessment on the effectiveness of the broadcasts will be conducted in November 2011.

1.3 PLW closing workshops

Closing workshops were held in all but one PLW, due to conflicting activities. During each workshop, an overview of the activities in knowledge management, capacity development and commodity value chain development was provided and future action and sustainability was discussed. In some of the PLWs, a mixture of presentations and exhibitions was used to share information. Some of the Woredas are now targeted for the AGP and stakeholders stressed that the IPMS approach and good practices on value chain development should form the basis for further development. Special concern was expressed about the WKC, which were found to be useful for accessing information and meetings; however, it requires institutionalization in the MoA system. The workshops were attended by the District stakeholders and zonal and regional representatives (see Table 1).

Table 1: Closing workshops PLWs

PLW	Date	No of participants		
		Total	Male	Female
Ada'a	13 – Aug, 2011	56	45	11
Alaba	29 – Mar, 2011	55	46	9
Alamata	08 – Sep, 2011	104	96	8
Atsbi	04 – Sep, 2011	137	121	16
Bure	04 – Sep, 2011	102	97	5
Fogera	24 – Jul, 2011	91	73	18
Goma	24 – Jul, 2011	65	47	18
Metema	07 – Sep, 2011	67	61	6
Mieso	04 – Sep, 2011	85	71	14
Dale	Nov 2011			
Total		762	657	105

2 Innovative capacity development

No PLW specific capacity development took place in the past 6 months, instead capacity development focused on zonal and regional staff, and programs as part of the project's scaling out strategy. As discussed in the March Steering Committee, discussions were held with the staff of the AGP at regional and federal level to determine gaps in capacity, which could possibly be filled by IPMS resource persons. Furthermore, Amhara and Oromia Regions were asked to develop training proposals for action research for genetic resources improvement for dairy and meat using a combination of synchronization and AI.

2.1 Educational institutions

- The sericulture processing equipment (for capacity development) was delivered and installed in Alage ATVET with the help of Indian technicians from the company that supplied the equipment. Staff members of the college were trained by the technicians on how to operate the equipment. Training materials and supplies were also purchased for dairy production training in Alage TVET
- Equipment and supplies for dairy processing, AI and animal health training in Ethiopian Meat and Dairy Technology Institute (EMDTI) are in the process of being purchased.

2.2 MSc/BSc education

Seven more students (4 female) completed their MSc study successfully and 8 (5 females) completed their BSc studies (see Table 2).

Table 2: IPMS Sponsored Students who completed their studies during April – September 2011

Degree Sought	Male	Female	Total
MSc	3	4	7
BSc	3	5	8
Grand Total	6	9	15

An overview of the completed/on-going IPMS supported education is shown in Tables 3 and 4.

Table 3: IPMS Sponsored MSc and PhD Students

Status	Male	Female	Total
Completed	94	21	115
Thesis*	8	5	13
Studying	4	2	6
Grand Total	106	28	135

Table 4: IPMS Sponsored BSc Students

Status	Male	Female	Total
Completed	12	18	30
Studying	3	11	14
Grand Total	15	29	44

Arrangements will be made in the coming months to finalize tuition fee payments for the students who have not yet completed their studies.

2.3 Monitoring and evaluation

- At the request of the SNNPR Bureau of Agriculture, a course was organized on Result Based Monitoring & Evaluation (RBM&E) for staff of the AGP in the Region. A total of 38 staff (3 females) attended the course which was held in Hawassa. The course used the RBM&E manual, developed by IPMS, for the training (see **Annex 1** for details)
- Discussions were held with AGP coordinators in the other 3 Regions as well as with the federal AGP coordinator to provide input for scheduled courses on RBM&E for the AGP program. A federally organized course for all AGP Zones is scheduled for November in which a senior IPMS staff member will be the lead resource person. The IPMS manual on RBM&E will be used as resource material. Follow up courses in each of the 3 remaining Regions will be held as required.

2.4 Mainstreaming gender

- A federal level course on gender mainstreaming for AGP zonal and regional staff is planned for the next quarter and details on collaboration with the MoA Women's Affairs Desk are being discussed. IPMS is in the process of hiring a consultant (former employee of IPMS) as a resource person.

2.5 Participatory market oriented extension

- No federal level course on participatory market oriented extension for the AGP program has been planned yet, however a request for such a course was received from SNNPR, Oromia, and Amhara AGP programs
- While training materials for such courses are available, training manuals are still in draft form
- The project staffs have started drafting guidelines for the design and implementation of market oriented value chain development programs, summarizing approaches and lessons learned in IPMS.

2.6 Commodity value chain development

- Meetings were held with Regional and Federal level AGP coordinators to determine plans and possible collaboration for commodity value chain capacity development. In principle, ACDI/VOCA will support value chain development of apiculture, wheat, maize, coffee and sesame; however no formal capacity development is envisaged until Regional teams/offices have been established
- Most AGP Woredas are in the process of selecting marketable commodities for development. Experience sharing visits by representatives from communities, and District staff to IPMS sites have been organized.

2.7 AI training

- Familiarization/introduction training on AI mass insemination to improve the breeds for meat production was conducted in South Omo Zone by SARI and IPMS staff. Participants included livestock research staff of Jinka Agricultural Research Centre and South Omo Zone and Benna Tsemay woreda animal health and animal husbandry experts and AI technicians – 15 in total of which 2 were females. As has been identified during previous trainings, many technicians lack practical skills on AI, which not only affects the insemination results but can also cause unnecessary stress on the animals
- Plans for training of the regional actors/mobile teams to be assigned in the mass insemination campaign were discussed with staff from the BoA/livestock agency and the AGP coordinators in Amhara and Oromiya
- A short note on the concepts of technical and organizational issues of the mass insemination initiative was prepared by project staff.

3 Participatory commodity developments

3.1 Planning, M&E

PLW closing workshops

- Closing workshops have been held in all the PLWs during which the commodity development activities were reviewed (see knowledge management). Stakeholders indicated the emerging/unresolved bottlenecks for the further development of the commodity value chains. It was noted that the revolving credit funds may continue to be used for the testing/introduction of new interventions (second generation). In the workshops, it was also stressed that development is a continuous process which requires commitment of all stakeholders, service providers and value chain actors to maintain the progress. Districts which are targeted by the AGP program can use the partnership linkages and approaches introduced by IPMS.

Workshop on Alternatives for Improving Field AI Delivery System to enhance Beef and Dairy Production

- A workshop was held on “Alternatives for Improving Field AI Delivery System to enhance Beef and Dairy Production in Ethiopia” at the ILRI campus on August 24 - 25. The workshop is an integral part of the IPMS effort to improve/develop alternative service delivery systems for genetic improvement at Zonal/Regional level. The workshop was attended by 44 livestock research and development stakeholders from 4 Regions and the federal level, including some NGOs, Kaliti AI center and EMDTI. National and Regional plans on AI/genetic improvements were presented as well as on-going/planned action research on mass insemination for dairy and meat production using synchronization. Workshop participants also reviewed the experiences gained in Tigray and SNNPR regions with the different organizational issues to be addressed, including the construction of a cattle crush/holding area. A recording form which had been developed with the help of partners was also discussed together with an introduction on data recording and analysis
- Plans for action research for each of the 4 Regions were fine tuned/discussed, including training of mobile teams for Amhara and Oromia Regions. These plans will be discussed in each of the Regions, to obtain the necessary funding. It was noted that in addition to the testing of new AI/sexing technology, attention also needs to be paid to the development of a breeding strategy for both dairy and meat, using local and exotic breeds
- The project has assisted the Regions further in developing GIS maps for selected Zones, aimed at identifying potential areas for dairy and meat value chain

development. To prepare such maps, project staff collected data from zonal and regional offices.

Handing over credit innovation funds in the PLWs

- As part of the handing over process, all lending institutions in the PLWs were requested to inform IPMS management about the status of the loan funds in each of the Woredas and indicate which part of the outstanding loans were non recoverable. As indicated in the agreement signed between ILRI/IPMS and the lending institution, 80% of the non recoverable loans did not have to be returned by the lending institutions, since the risk taken by the lending institution was greater than normal because of the innovative nature of the loans provided
- Once the loan fund status was received and agreed upon, the loan ownership was transferred from IPMS to the Woreda Administrations on conditions that the funds would be used to continue to be used for existing and future innovative agricultural loans to stimulate market oriented small holder agriculture in the District. New agreements between the lending institutions and the Woreda Administrations, similar as the ones signed between IPMS and the lending institutions were agreed upon, stating the exact amount of loan funds revolving in each PLW. Most of this process has been completed, except in the 2 PLWs in the SNNPRS since revolving funds will have to be handled by new credit institutions. The Ada'a district agreement is about to be signed after a consensus has been reached on how outstanding loans will be recovered. Table 5 shows details of the present status of the handing over process.

Table 5: Overview status handing over credit innovation fund in PLWs

PLW	Lending Institution	Amount received	Non recoverable loan	Amount to be transferred	New agreement
Ada'a	Yerer Union	295,181	22,530		
Alaba	Mechone union*	224,094	0	224,094	
Alaba	OMO Microfinance	82,080			
Alamata	Shewit	590,768	0	590,768	signed
Atsbi	Mahibere Bekur	343,500	23,400	324,780	signed
Bure	ACSI	1,014,200		1,014,200	signed
Dale	RRDFA*	304,280			
Fogera	ACSI	710,200	0	710,200	signed
Goma	OCSSCo	728,500	0	728,500	signed
Mieso	OCSSCo	917,750	0	917,750	signed
Metema	ACSI	700,000	0	700,000	signed

* Transfer of funds is being discussed with new agency (OMO micro Finance)

3.2 Livestock value chain development interventions

- The first AI campaign in the SNNPR took place in the Hawassa – Dilla milkshed (Bera Tedicho District) earlier this year (see previous report). A pregnancy diagnosis (PD) was then carried out after 12 weeks. Of the 171 cows that had responded to the hormone treatment, 104 were diagnosed as pregnant (60.8%). These cows/heifers are expected to give birth by the end of October/early November 2011. A preliminary analysis of some data indicates that local animals responded more positively to the new approach by getting 63% pregnancy while the crosses achieved 53% pregnancy (see table 6).

Table 6: AI Efficiency at Dale Bera Tedicho Kebele by breed

Breed	Total	Positive	%	Negative	%
Local	87	55	63.2	32	36.8
Cross	80	43	53.8	37	46.3
Total	167	98	58.7	69	41.3
5 cows were not reported at the time					

In Tigray, in the Adigrat – Mekelle milkshed, the hormone assisted estrus synchronization and AI services was introduced and tested on 200 dairy cows in eight PAs of Ganta Afeshum and Kilte Awlaelo districts in the eastern zone of Tigray, earlier this year. Results of the PD showed a 62% pregnancy rate after 2.5 months.

In August/September, a new campaign was started in SNNPR and Tigray to obtain more data and to introduce double insemination during the induced heat period (suggested during the workshop). This campaign was also used to test the use of sex fixers on some of the cows to determine how it influences the sex ratio of the calves born. Sex fixer comes in the form of a drug that is taken via the esophagus/mouth and reportedly inhibits the penetration of sperm cells that carry the male chromosome “Y”. The number of cows treated and inseminated is shown in the tables 7 and 8.

Table 7: Summary of result of scaling out synchronization in selected woredas of Dilla-Shashemene Milkshed

District	Kebele	Hormone injected cows/heifers	Sex fixer	Total Inseminated	% responded to Hormone
Aleta Chucko	Chuck lemela	40	0	39	97.5
Aleta wendo	Gidiwo	118	77	93	78.8
Dale	Mesinch	103	85	85	82.5
	Tula	83	0	63	75.9
Shebedino	?????	66	0	32	48.5
	??????	410	162	312	76.1
Grand Total		820	324	624	76.1

Table 8: Summary results hormone assisted AI in the Axum-Adwa and Adigrat-Mekele milksheds, September-October 2011.

District	Kebele	Hormone injected cows/heifers	Sex fixer	Total Inseminated	% responded to Hormone
Lalay Maitchew	Chilla	77	-	77	100
	Wukro Maray	52	4	52	100
Tahitay Maitchew	Dura	54	54	54	100
	Hatsebo	36	30	36	100
Adwa	May Tieum	33	-	33	100
	Soloda	20	-	20	100
	Mariam Shewito	38	-	38	100
	Gendebta	31	-	31	100
Total for Axum - Adwa		341	88	341	100
Ganta Afeshum	Sasun and Dibla	43	43	43	100
	Bucket	37	35	35	94.6
	Beati May Mesanu	40	40	40	100
Kilte Awlaelo	Adi-Kitsandid	39	38	38	97.4
	Genfel	33	33*	33*	100
	Mesanu	31	31*	31*	100
Total for Adigrat Mekelle		223	220	220	98.7
Grand Total		564	308	561	99.5

**Currently in progress and slight changes in the number of cows is expected*

It is noted that response to estrus synchronization in the various Woredas in the South varied considerably and was much lower as compared to the first campaign. Stakeholders are investigating possible causes.

4 Documentation and promotion

The documentation activities in the past six months are summarized in section 4.1, while the remaining on-going documentation is summarized in section 4.2.

The project's promotional activities, other than capacity development are summarized in section 4.3.

4.1 Completed documentation

MSc thesis

- Determinant of Credit Repayment and Agricultural Inputs Use Marketed through Primary Cooperatives: The Case of Ada'a District East Shoa Zone - Abebe Mijena
- Practice and challenges on economic empowerment of Rural Women in Halaba Special Woreda - Bedru Hassen
- The impact of input and output market development intervention of the IPMS project : the case of Mieso Woreda - Tihitina Abebe
- Changes in the Value Chain of Dairy Development in Response to Integrated Extension Interventions: The Case of Atsbi-womberta District, Northern Ethiopia. Dawit Woldemariam
- Assessment of factors affecting adoption of improved haricot bean varieties and its agronomic practices in haricot bean production - Alemitu Mulugeta
- Seasonal availability of common bee flora in relation to land use and colony performance in Atsbi Wenberta Woreda - Alemtsehay Teklay
- Organizational Options to Promote Collective Cattle Fattening and Marketing the case of Bure Woreda – Mulu Diress

These theses have been uploaded on the project's website. See Annex 2 for a complete overview of the entire project supported thesis work.

Project studies

- Knowledge Centers in the Pilot Learning Woreda of Improving Productivity and Market Success Project: Utilization, Relevance and Effectiveness - Tesfaye Lemma Tefera, Ermias Sehai and Dirk Hoekstra
- Status and Capacity of Farmer Training Centers (FTCs) in the Improving Productivity and Market Success (IPMS) Pilot Learning Woredas (PLWs) Tesfaye Lemma Tefera, Ermias Sehai and Dirk Hoekstra
- Farmers' use of improved agricultural inputs and practices: review and synthesis of research in Ethiopia. Seife Ayele and Caroline Bosire
- Selected Good Practices in Agricultural Knowledge Management

All studies have been uploaded on the project website

Project brochures and posters (posted on the IPMS website)

In preparation for the national workshop the following brochures/poster were revised/prepared:

- Commodity value chain synthesis brochures, apiculture, dairy, meat, vegetables and fruits (printed copies and on the IPMS website)
- Commodity value chain synthesis posters on cereal, coffee, pulses, vegetables, fruits,

- meat, apiculture, dairy, poultry (printed copies and on the IPMS website)
- Gender synthesis brochure; Empowering women through value chain development: Good practices and lessons learned from IPMS experiences
- Gender posters:
 - i. Women in fruit and vegetable value chain development
 - ii. Women and Poultry value chain development
 - iii. Women in Dairy Value chain development
- Knowledge management posters:
 - i. Ethiopian Agriculture Portal
 - ii. Knowledge Management-Supporting Ethiopian Agriculture Extension
 - iii. Woreda Knowledge centers in Ethiopia
 - iv. Enhancing the role of Farmer Training Centers
- PLW posters:
 - i. Bridging forage shortages for improved dairy production in Atsbi
 - ii. Forage development as an input for improved animal production and marketing in Fogera district
 - iii. Improved bee forage development as an input to enhance bee keeping productivity and income of smallholder farmers in Ethiopia in Atsbi
 - iv. Onion seed production and marketing in Fogera district
 - v. Teff Value chain development in Alaba
 - vi. Forage Input supply approaches in market oriented livestock development in Alaba
 - vii. Haricot Bean Value Chain Development in Alaba Special district
 - viii. Unlocking the potential of integrating market oriented commodities with conserved resources within the watershed continuum: lessons from Atsbi-district, Tigray, Ethiopia

The following posters were also prepared for the Tropentag 2011 Conference in Bonn, Germany:

- Intensification of crop-livestock farming systems through market orientation in Ethiopia*
- Goat Production systems and opportunities for market orientation in southern Ethiopia*
- Analysis of Markets and household specific transaction cost factors in livestock input market in Ethiopia

Articles submitted to journals:

- Evolution of Input Supply and Service Hubs in Dairy Development at Ada'a Milkshed in Ethiopia, submitted to the *Journal of Development in Practice* (under review process). Moti Jaleta, Berhanu Gebremedhin, Azage Tegegne, Samson Jemaneh, Tesfaye Lemma and Dirk Hoekstra.

- Price Cointegration Analyses of Food Crop Markets: The case of Wheat and Teff Commodities in Northern Ethiopia. Submitted to *African Journal of Agricultural Research* (under review process). Moti Jaleta, Berhanu Gebremedhin.
- Interdependence of Smallholders' Net Market Positions in Mixed Crop-Livestock Systems of Ethiopian Highlands. Submitted to *Journal of African Economies* (under review process). Moti Jaleta, Berhanu Gebremedhin.

Presentations for regional, national and international workshops:

- Strengthening informal Seed Multiplication: Community Seed Banks in Alaba Special District, Southern Ethiopia – Abebe Shiferaw. Presented at international conference on sustainable seed systems in Ethiopia, June 1-3, Addis Abeba
- Farmer innovations in livestock feeding and management in semi-arid areas of Ethiopia. Azage Tegegne, Zewdu Ayele and Dirk Hoekstra. Presented during Tropentag conference – Oct 5-7, Bonn Germany

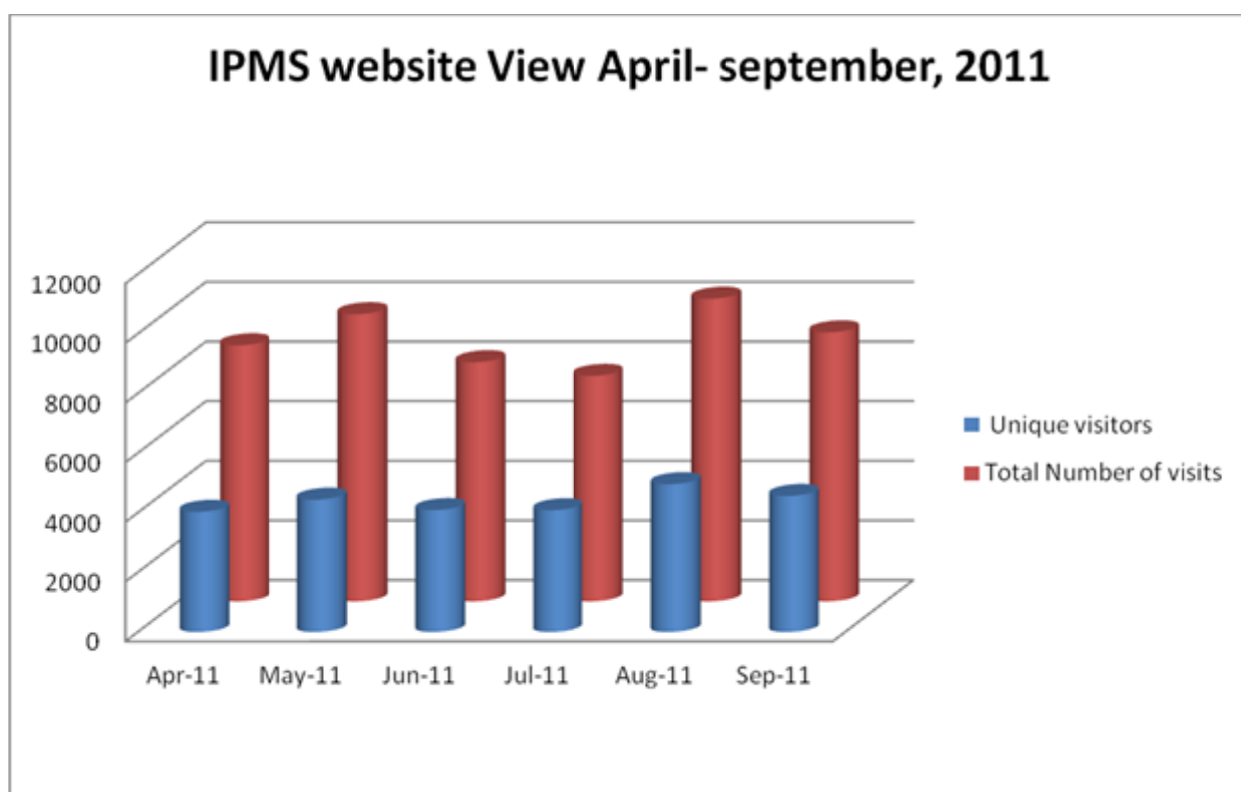
4.2 On-going documentation

- The Atsbi study on fodder using double difference method
- A note on the Community Based Livestock Insurance Scheme
- A paper on the experiences with the development of the EAP
- The synthesis on dairy studies, which is being conducted with the help of a consultant
- PLW specific crop and livestock case studies including rice and dairy value chain in Fogera, apiculture in Atsbi, diary value chain in Ada'a, small ruminants fattening in Goma
- Strategies in increasing women's participation in commodity value chain development: Experiences from IPMS (presented in the agri gender workshop)
- Outcomes of women's participation in market-oriented commodity development: Evidence from IPMS project (presented in the agri-gender workshop)

4.3 Promotional activities

Project website

- The project website (www.ipms-ethiopia.org) has been updated with all the new documents, posters, brochures and workshop proceedings. The same documents have also been linked to ILRI's Mahider (<http://mahider.ilri.org/handle/10568/177>). In the past six months, the IPMS website was visited by more than 2,500 unique* visitors each month.

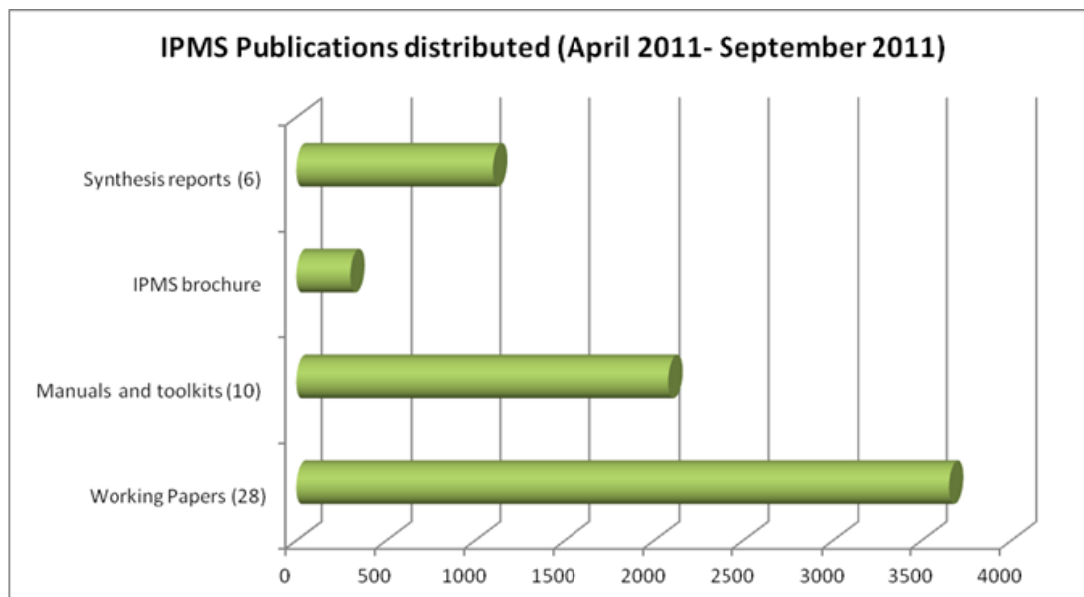


Source: CG net

*Unique visitors are counts of the first time users of the EAP

Distribution of project documents

Distribution of project documents during the reporting period is shown in the graph below.



Radio programs on fruit and apiculture development in SNNPRS and Tigray

- See knowledge management

EAP promotion

- See knowledge management

National workshop

- A 2-day (June 2 – 3) national workshop and exhibition was held at the ILRI campus to share and discuss lessons learned in the IPMS project. This event was attended by 136 participants from different organizations at Federal, Regional and District level. The exhibition was split into 3 different topical sections i) cross cutting issues – commercialization process, extension, knowledge management, environment and gender, ii) crop value chains and iii) livestock value chains. Guided sub group tours were provided for each of these topical sections followed by discussion sessions. To add flavor to the event, each participant was issued with a small bag of market oriented 'IPMS products' and a ranking/tasting event of a selection of products was organized. A detailed report of the event can be found on the IPMS website. (<http://www.ipms-ethiopia.org/Documents-Publications/Workshops-Meetings-.asp>)

Regional workshops on value chain development

- Following the presentations in the horticulture regional workshop in Amhara in the previous reporting period, the newly established Livestock Agency in Amhara Region requested that IPMS co-finance and present its livestock value chain findings in a 2 day regional workshop. In support of this workshop, project staff had also been asked to assist in the development of a regional strategy for apiculture value chain development. This document was completed and presented/discussed during the workshop. The full document can also be accessed on www.eap.gov.et

Seminars/meetings on improvement of genetic resources using alternative AI service delivery

- To create demand and awareness for the mass insemination system, senior IPMS staff gave presentations in all 4 Regions. A special presentation was made for the president and cabinet members in SNNPR.

Participation in various promotional events

- During the reporting period, the project also promoted its findings through events organized by others in the Regions and at federal level. Notably is the presentation on the mass insemination during the national Agricultural and Rural Development Partners Linkages Advisory Council meeting (see **Annex 3** for an overview of the attendance during promotional activities)

5 Project management

5.1 Staffing

Terminated staff

Ermias Sehai, Knowledge Management Expert and Lemlem Aregu, Gender Expert left the IPMS project as of September 30, 2011. In addition, the following staffs from IPMS' PLWs have also left the project as of September 30, 2011:

- Abebe Shiferraw – Research & Development Officer, Alaba PLW
- Bereket Dindamo – Research & Development Assistant, Alaba PLW
- Bizuayehu Adera – Driver, Alaba PLW
- Dawit Woldemariam – Research & Development Assistant, Atsbi PLW
- Gebreselassie Alemayehu – Driver, Atsbi PLW
- Abraham Gebrehiwot – Acting Research & Development Officer, Alamata PLW
- Teshome Derso – Acting Research & Development Officer, Bure PLW
- Yisehak Baredo – Research & Development Officer, Goma PLW
- Worku Teka – Research & Development Officer, Metema PLW
- Teklehaymanot Seyoum – Driver, Metema PLW
- Alemu Gemedo – Driver, Ada'a PLW
- Zewdu Ayele – Research & Development Officer, Mieso PLW
- Gemechis Jaleta – Research & Development Officer, Mieso PLW

Consultants/Casual staff

- IPMS continue to use the services of consultants such as Fanos Mekonnen who is assisting with the Ethiopian Agricultural Portal (EAP). Genevieve Renard also continues to support IPMS with various writing assignments and Efrem Tessema is supporting the gender mainstreaming activities of the project
- The project also has casual staff to assist in areas where regular staff have left the project - Parmilia Yeshitella is the project's administrative assistant at headquarters. Abraham Haile who is based at the MoA, continues to assist the project with the EAP and will be with the project until March 31, 2012. Other casual staff have also been hired on a short-term basis to assist with smaller assignments, amongst others to assist completing the analysis and write up of the impact study.

5.2 Handing over of assets

- All computer equipment and furniture in the Woredas have now been handed over to the Woreda Offices of Agriculture in Ada'a, Alaba, Alamata, Bure, Goma, Metema, Mieso
- In terms of the motorbikes and vehicles, the donation certificates for these items have been signed by both ILRI & the MoA. The documents to process the official

transfer of these items from ILRI's custodianship to the MoA and ultimately the Woredas is now being prepared by ILRI's Liaison department. Some of the motorbikes & vehicles from these PLWs are in Addis for minor repairs before they are handed over.

5.3 Contractual arrangements – research and development partners

Woredas:

- Fund advances that were issued to the various Woredas have now all been settled so there are no longer any outstanding advances that need to be settled.

Lending institution agreements

- See commodity development section

Regional Research Institutes:

TARI – the final advance for projects in Atsbi was issued in April 2011 and we expect this advance to be settled by December 2011

SARI – there are advances that were issued that still need to be settled

ARARI – there are advances that were issued that still need to be settled

OARI – all outstanding advances have been settled

International collaborators:

- Farm Radio International (FRI) – the first installment for the collaborative effort with FRI was effected in the April – June quarter. We expect to issue the second installment as per the agreement in the current quarter.

5.4 Office establishment and procurement of good/services

- A group of engineers from India traveled to Addis in August to install the sericulture equipment that was purchased for Alage ATVET. The engineers successfully installed the machine and trained college staff, and the machine is now fully operational
- In addition, various items for the project's improved animal genetics program have been bought during the past quarter. Veterinary drugs and items that were purchased for the Alage ATVET were delivered to the college and received with thanks. Various drugs and hormones purchased for EMDTI as well as the project's AI training activities are also being steadily delivered to ILRI.

5.5 Monitoring and evaluation

- During the reporting period, the project completed the draft impact report as well as the outcome report for 2010/11
- The CIDA project external monitor – Doug Clements - conducted a final M&E mission during the month of September.

Annex 1: Overview of Knowledge Management and Capacity Building Activities of PLWs (April - September 2011)

Type of event	Target Areas	StartDate	EndDate	Description	MG ov	FG ov	Tot Gov	M Far	FF ar	To tF ar	MP riv	FP riv	To tP riv	Tot M	Tot Fe	Tot Part
Meeting	Oromia	5-Sep-11	5-Sep-11	Briefing on Alternatives for Improving Field AI Delivery System to Enhance Beef and Dairy Production in Ethiopia to Oromia Livestock Dev't Agency and OARI staffs	7	0	7	0	0	0	2	0	2	9	0	9
Seminar	Amhara	10-Aug-11	13-Aug-11	EAP Promotional Seminar to Amhara Region	227	46	273	0	0	0	13	0	13	240	46	286
Seminar	E. Shoa Z	7-Sep-11	7-Sep-11	EAP promotional Seminar Melkassa & E.Shoa OaA	58	5	63	0	0	0	0	0	0	58	5	63
Seminar	SNNPR	14-Sep-11	14-Sep-11	Seminar Presentation to Southern Regional Authorities on genetic improvement of cattle for beef and dairy production	9	1	10	0	0	0	0	0	0	9	1	10
Seminar	Tigray	20-Sep-11	21-Sep-11	EAP Promotional Seminar to Tigray Region	70	5	75	0	0	0	17	0	17	87	5	92
Seminar	W. Hararge Z	5-Sep-11	5-Sep-11	EAP Promotional Seminar to W. Hararge	24	3	27	0	0	0	0	0	0	24	3	27
Training	Federal	21-Sep-11	23-Sep-11	Introduction of Drupal and Setting up of EAP portal and MoA website	0	2	2	0	0	0	0	0	0	0	2	2
Training	S. Omo Z	17-Aug-11	20-Aug-11	Artificial Insemination Training for Sn. Omo Zone - Jinka	13	2	15	0	0	0	0	0	0	13	2	15
Training	SNNPR	5-Sep-11	9-Sep-11	Result Based Monitoring and Evaluation Training - SNNPR Region	34	3	37	0	0	0	1	0	1	35	3	38
Workshop	Ada	13-Aug-11	13-Aug-11	Closing Workshop of IPMS Project in Ada	28	8	36	14	2	16	3	1	4	45	11	56
Workshop	Alamata	6-May-11	10-May-11	Dairy commodity stakeholders' workshop	9	1	10	4	4	8	4	0	4	17	5	22
Workshop	Alamata	8-Oct-11	8-Oct-11	Closing Workshop of IPMS Alamata PLW	85	7	92	5	0	5	6	1	7	96	8	104
Workshop	Amhara	1-Aug-11	3-Aug-11	Amhara National State, Livestock Development promotion Agency Strategic plan Workshop	98	6	104	0	0	0	6	0	6	104	6	110
Workshop	Atsbi	4-Oct-11	4-Oct-11	Closing Workshop of IPMS Atsbi PLW	121	16	137	0	0	0	0	0	0	121	16	137

Workshop	Bure	4-Sep-11	4-Sep-11	Closing Workshop - IPMS Bure PLW activities, achievements, and lessons from 2007 - 2011	68	3	71	24	2	26	5	0	5	97	5	102
Workshop	Fogera	24-Jul-11	24-Jul-11	Closing Workshop of IPMS Fogera PLW	55	12	67	8	3	11	10	3	13	73	18	91
Workshop	Goma	24-Jul-11	24-Jul-11	Closing Workshop of IPMS Goma PLW	12	5	17	18	6	24	17	7	24	47	18	65
Workshop	Metema	7-Sep-11	7-Sep-11	Closing Workshop of IPMS Metema PLW	37	2	39	24	3	27	0	1	1	61	6	67
Workshop	Mieso	4-Sep-11	4-Sep-11	Closing Workshop of IPMS Mieso PLW	50	5	55	14	8	22	7	1	8	71	14	85
Workshop	National	2-Jun-11	3-Jun-11	Market Oriented Smallholder Development in Support of the Growth and Transformation Plan	53	8	61	14	2	16	51	8	59	118	18	136
Workshop	National	24-Aug-11	25-Aug-11	Alternatives for Improving Field AI Delivery System to Enhance Beef and Dairy Production in Ethiopia	22	1	23	0	0	0	19	2	21	41	3	44

Annex 2 : Overview of MSc Thesis Research					
Completed MSc Thesis					
S.No	Name	Registered University	Research Thesis Title	Field of Study	IPMS/ILRI Supervisor
1	Abay Akalu	Haramaya	Vegetable market chain analysis in the ANRS: The case of Fogera Woreda	Agricultural Economics	Dirk / Berhanu
2	Abebe Mijena	Haramaya	Determinant of Credit Repayment and Agricultural Inputs Use Marketed through Primary Cooperatives: The Case of Adaa District East Shoa Zone	Agricultural Marketing	Moti Jaleta
3	Addis Alemayehu	Haramaya	Dairy extension and adoption of dairy package in Fogera	Agricultural Extension	Ranjitha Puskur
4	Adebabay Kebede	Bahir Dar	Characterization of dairy production systems, marketing and on-farm evaluation of the effect of feed supplementation on milk yield and composition at Bure District	Animal Science	Azage Tegegne
5	Adugna Gela	Haramaya	The role of farmer to farmer knowledge sharing in innovation process: The case of dwarf Cavendish banana production technology in Metema Woreda	Agricultural Extension	External
6	Adugna Gesesse	Haramaya	Analysis of fruit and vegetable marketing chains: The case of Alamata Woreda	Agricultural Economics	Berhanu / Dirk
7	Alema Woldemariam	Mekelle	Analysis of the role of cooperatives in agricultural input and output marketing in southern zone, Tigray Region	Cooperative Marketing	Berhanu Gebremedhin
8	Alemitu Mulugeta	Hawassa	Assessment of factor affecting adoption of improved haricot bean varieties and its agronomic practices in haricot bean production	Environmental Science	External
9	Alemnew Abay	Haramaya	Market Chain Analysis of Red Pepper the Case of Bure Woreda	Agricultural Economics	Berhanu / Moti
10	Alemu Toleramariam	Haramaya	Impact Assessment of Input Output Market Development Interventions by IPMS Project: The case of Goma Woreda	Agricultural Economics	Berhanu / Moti
11	Alemtsehay Teklay	Wondo Genet University	Seasonal availability of common bee flora in relation to land use and colony performance in Atsbi Wenberta Woreda	Apiculture	Gebremedhin Woldewahid
12	Almaz Mesfin	Mekelle	Comparative analysis of the performance of dairy cooperatives input supply and output marketing in Atsbi and Alamata and Enderta Woredas	Agricultural Economics	Berhanu Gebremedhin

13	Almaz W/Tensaye	Addis Ababa	Women's Land Use Rights and implications for market oriented agriculture	Gender Studies	Ranjitha Puskur
14	Ametemariam Gebremichael	Mekelle	Role of women in value-chain systems of vegetables and spices, in Atsbi Wemberta Woreda	Rural Development	Berhanu Gebremedhin
15	Amsalu Bedasso	Haramaya	Determinants of farmers innovativeness in Alaba Special Woreda	Agricultural Extension	External
16	Anteneh Girma	Haramaya	Dairy services delivery and analyzing options to develop pluralistic service delivery in the dairy sector	Agricultural Extension	Tesfaye / Ranjitha
17	Anwar A/Sambi	Jimma	Assessment of coffee quality problems in Jimma Zone	Agricultural Extension	External
18	Ashagre Abate	Haramaya	Effects of nitrogen fertilizer and harvesting stage on yield and quality of natural pasture in Fogera	Animal Science	Azage Tegegne
19	Assefa Abebe	Haramaya	Market chain analysis of honey production in Atsbi Womberta district	Agricultural Economics	Berhanu / Dirk
20	Astewil Takele	Haramaya	Analysis of rice profitability and marketing chain: The case of Fogera Woreda	Agricultural Economics	Berhanu / Moti
21	Awol Zeberga	Haramaya	Analysis of poultry market chain, The case of Dale and Alaba Special Woreda	Agricultural Economics	Berhanu Gebremedhin
22	Babur Damtie	Haramaya	Effectiveness of Farmer field schools (FFS) in promoting coffee management practices: the case of Jimma and Sidama Zones	Agricultural Extension	Ranjitha Puskur
23	Bayisa Gedefa	Haramaya	Adoption of Improved Sesame Technology in Mieso Woreda	Rural Development	Tesfaye Lemma
24	Bedru Hassen	St. Mary College	Practice and challenges on economic empowerment of Rural Women in Halaba Special Woreda.	Agricultural Marketing	External
25	Belainesh Hailu	Haramaya		Agricultural Marketing	
26	Belete Anteneh	Hawassa	Cattle milk and meat production system in Fogera Woreda: production systems, constraints and opportunities for development	Animal Science	Azage / Berhanu
27	Belete Shenkute	Hawassa	Production and marketing of sheep and goat in Goma district	Animal Science	External
28	Berhane Hailu	Wageningen	The impact of agricultural policy involvement on small holder innovation; The case of household level irrigation schemes in Eastern Tigray.	Agro-Ecological Knowledge & Social Changes	External
29	Berhe Arkebe	Addis Ababa	Assessment of Hides and Skins Marketing, in Atsbi Womberta	Regional & Local Dev't Studies	Berhanu Gebremedhin

30	Birhanu Bayeh	Bahir Dar	Assessment of Bread wheat Production, Marketing and Selecting of N-Efficient Varieties for Higher Grain Yield and Quantity at Bure District	Agriculture and Environmental Sciences	Yigzaw
31	Biruhalem Kassa	Addis Ababa	Analysis of challenges and opportunities for innovation in rice value chain technological, institutional and organizational options: The case of Metema Woreda	Regional & Local Dev't Studies	Ranjitha Puskur
32	Biruk Tefera	Haramaya	Effectiveness of Modular Training and Farmers' Training Centers: The case of Mieso Woreda	Rural Development	External
33	Bogale Kibret	Haramaya	In Situ Characterization of local chicken eco-type for functional traits and production system in Fogera	Animal Science	Tadelle Dessie (ILRI)
34	Bosena Tegegne	Haramaya	Analysis of cotton marketing chains in Metema	Agricultural Economics	Dirk / Berhanu
35	Daniel Tadesse	Haramaya	Access and utilization of agricultural information by resettler farming households: The case of Metema Woreda	Agricultural Extension	Ranjitha Puskur
36	Daniel Tewodros	Haramaya	Cattle production systems and off take by export abattoirs in Ethiopia	Animal Science	Azage Tegegne
37	Dawit G/Egziabeher	Haramaya	Market chain analysis of Poultry: The case of Alamata and Atsbi Womberta	Agricultural Marketing	Dirk / Berhanu
38	Dawit Woldemariam	IGNOU	Changes in the Value Chain of Dairy Development in Response to Integrated Extension Interventions: The Case of Atsbi-womberta District, Northern Ethiopia	Rural Development	Gebremedhin Woldewahid
39	Demeke Tilahun	Haramaya	Performance of coffee farmers marketing cooperatives and members satisfaction in Dale Woreda	Agricultural Marketing	Dirk / Berhanu
40	Dereje Tsegaye	Loughborough	Congestion control mechanism for internet traffic	Internet Computing and Network Security	External
41	Deribe Gemiye	Hawassa	On-farm performance evaluation of indigenous sheep and goats in Alaba	Animal Science	External
42	Deribe Kaske	Haramaya	Agricultural information networks of farm women and the role of agricultural extension: The case of Dale Woreda	Agricultural Extension	Ranjitha Puskur
43	Desalegn Gebremedhin	Addis Ababa	Assessment on problems associated with artificial insemination service in Ethiopia case study in selected areas of five regions	Animal Science	Azage Tegegne
44	Dessalegn Molla	Haramaya	Social networks in tech diffusion of agricultural innovation: The case of Sorghum Technology Package in Metema Woreda	Agricultural Extension	Ranjitha Puskur

45	Embaye Kidanu	Haramaya	Analysis of butter marketing chains: The case of Atsbi Womberta and Alamata Woreda	Agricultural Extension	Dirk / Berhanu
46	Endaweke Assegid	Addis Ababa	Scenario analysis of the proposed upland rice production through GIS and RS Techniques in Fogera Woreda	Earth Science	Noah Kebede
47	Endeshaw Assefa	Hawassa	Production systems, marketing and carcass evaluation of goats at Dale District	Animal Science	Azage / Berhanu
48	Ephrem Assefa	Addis Ababa	Impact assessment of rainwater harvesting technologies: The case of Tigray	Tropical Land Resources Mg't	Berhanu Gebremedhin
49	Eshetu Tefera	Haramaya	The role of dairy cooperatives in stimulating innovation and market oriented smallholder development: The case of Adaa Dairy Cooperatives	Agricultural Extension	Ranjitha Puskur
50	Fisseha Moges	Hawassa	Study on production and marketing system of local chicken ecotype in Bure Woreda	Animal Science	Tadelle Dessie (ILRI)
51	Fisseha Teshome	Haramaya	Factors affecting the status of farmers training centers: The case of Adaa woreda East Shewa Zone	Agricultural Extension	External
52	Fraol Lemma	Unity University	The role of ICT on agricultural knowledge management challenges and opportunities in Ethiopia	Business and Economics	External / Ermias
53	Gezahegne Walelign	Haramaya	Determinants and role of farmer's seed and seedling multiplication in the SNNP Regional Seed System	Agricultural Economics	Dawit Alemu (EIAR)
54	Guy Innes	University of Sanfrancisco	Factors determining improved poultry production intervention in Dale Woreda	Economics	External
55	Habtamu Yesigat	Haramaya	Impact evaluation of Input and Output Market Development Interventions: A case study in Bure Woreda	Agricultural Economics	Moti / Berhanu
56	Habtemariam Assefa	Addis Ababa	Agricultural Knowledge Management and its Implication for Local Development: the case of Dairy Production in Bure Woreda	Rural Development	External
57	Hailay Berhane	Haramaya	Water resources assessment and sustainability of ground water utilization	Tropical Land Resources Mg't	Sileshi (IWMI)
58	Hailu Kinde	Mekelle	Effects of vermicom posting of rice husk, cow dung and fresh bio solid with different carbon to nitrogen ration on onion production	Land Resources Mg't	Azage Tegegne
59	Jemal Abass	Addis Ababa	Spatial analysis of farming systems: the case of Bure Woreda	RS-GIS, Earth Science	External / Noah

60	Jemal Kuru	Haramaya	Access and utilization of agriculture knowledge and information by women dairy farmers: the case of Adaa District	Agricultural Extension	Tesfaye Lemma
61	Jemal Mahamud	Mekelle	Analysis of the role of cooperatives in agriculture Input and output marketing in Tigray Region	Cooperative Marketing	Berhanu Gebremedhin
62	Kadija Hussen	Haramaya	Characterization of milk production systems and opportunity to market orientation: Case of Mieso Woreda	Animal Science	Azage / Berhanu
63	Kassu Kubayo	Haramaya	Analysis of Agricultural input supply system: the case of Dale Woreda	Agricultural Extension	Ranjitha Puskur
64	Kebede Ganole	Haramaya	GIS based irrigation potential assessment of river catchment for irrigation development in Dale Woreda	Natural Resource Mgmnt	External / Noah
65	Kindie Aysheshum	Haramaya	Sesame market chains: The case of Metema Woreda	Agricultural Marketing	Dirk / Berhanu
66	Luchia Tekle	Haramaya	Relevance and Effectiveness of Modular-Based Training at FTC: the case of Alamata Woreda	Agricultural Extension	Tesfaye Lemma
67	Mathewos Muke	Haramaya	Opportunities and Challenges for Private Service Delivery: The Case of Private Crop Protection Spray and Community Animal Health Service Delivery in Alaba Special Woreda	Agricultural Extension	Tesfaye Lemma
68	Meaza Gebreyohannes	Mekelle	Socio-Economic Analysis of Market Oriented Beekeeping in Atsbi Womberta, Eastern Tigray Zone	Business and Economics	Berhanu / Gebremedhin
69	Mehari G/Medhin	Mekelle	Apiculture development in Atsbi Kilete Awlalo Woreda	Rural Development	Gebremedhin Woldewahid
70	Mekonnen G/Egziabeher	Hawassa	Characterization of the smallholder poultry production and marketing system in Dale Woreda	Animal Science	Tadelle Dessie (ILRI)
71	Mekonnen Hailemichael	Hawassa	Influence of genotype and processing methods on quality of Yirgacheffe and Sidama Coffee, Dale	Plant Science	External
72	Meseret Molla	Jimma	Characterization of Village Poultry Production and Marketing System in Gomma Woreda	Animal Science	Tadelle Dessie (ILRI)
73	Mikinay Hailemariam	Haramaya	Social networks and gender dimension in use of irrigation by farmers in Alamata Woreda	Agricultural Extension	Tesfaye Lemma
74	Mitiku Demessie	Haramaya	Marketing of kabuli and Desi chickpea by smallholder farmers in Eastern Shewa	Agricultural Economics	Berhanu / Bekele Shiferaw (ICRISAT)

75	Mizan Gebremichael	Unity University	Economic Analysis of Forage Development Market Oriented Livestock Development in Atsbi Womberta Woreda	Economics	Berhanu Gebremedhin
76	Mulu Diress	Haramaya	Organizational Options to Promote Collective Cattle Fattening and Marketing the case of Bure Woreda	Agricultural Extension	Tesfaye Lemma
77	Mulugeta Arega	Haramaya	Determinant factors and intensity of adoption of old coffee stumping technology on coffee farmers in Dale Woreda	Agricultural Extension	External
78	Muzeyin Hawas	Addis Ababa	Household food security and women's pivotal role in the context to market oriented agricultural devt.	Sociology and Social Anthropology	External
79	Ousman Surur	Haramaya	Effectiveness of agricultural development training program teff and livestock farmers	Agricultural Extension	Ranjitha Puskur
80	Rahel Deribe	Addis Ababa	Institution for irrigation water management in Atsbi and Adaa	Tropical Land Resources Mg't	Berhanu Gebremedhin
81	Rahmeto Negash	Haramaya	Determinants of adoption of haricot bean technology package in Alaba Special Woreda	Agricultural Extension	Ranjitha Puskur
82	Rebeka Amaha	Addis Ababa	Impact assessment of rain water harvesting ponds	Tropical Land Resources Mg't	Berhanu Gebremedhin
83	Rehima Mussema	Haramaya	Analysis of red pepper marketing chains, Alaba	Agricultural Marketing	Dirk / Berhanu
84	Shimelis Nigatu	Addis Ababa	Design, construction and performance test of a small biomass gasifier stove which uses combustible and compressible dry wastes as feed stock	Environmental Science	Azage Tegegne
85	Shitahun Mulu	Mekelle	Assessment of the major feed resources availability and performance evaluation of cattle fattening practice and market system in Bure	Tropical Land Resources Mg't	Azage Tegegne
86	Seleshi Delelegn	Jimma	Evaluation of elite hot pepper varieties (Caspicum species) for pod yield and yield components at multi locations in Jimma area	Agricultural Marketing	External
87	Sintayehu Yigrem	Hawassa	Dairy production, processing and marketing systems: Shashemene, Dila Area	Animal Science	Azage / Berhanu
88	Sisay Yehuala	Haramaya	Determinants of smallholder farmers access to formal credit: The case of Metema Woreda	Agricultural Extension	Tesfaye Lemma
89	Solomon Kebede	University Hohenheim	Economic Impact of IPMS Improved Apiculture: a case of ALABA Wereda, Ethiopia	Agricultural Science	Azage Tegegne

90	Tadesse Adgo	Haramaya	Farmer evaluation and adoption of improved Onion production package: The case of Fogera district , South Gondar	Agricultural Extension	External
91	Tadesse Tewoldeberhan	Mekelle	Introduction of community based garlic(<i>Allium sativum</i> L) seed production: Varietal Test and Farmers Perception in Atsbi Womberta Woreda	Dry Land Agronomy	External
92	Tafesse Kebede	Mekelle	Current production system of Frankincense from <i>Boswellia papyrifera</i> tree:its implication on sustainable utilization of the resource in Amhara Region , North Gondar Zone	Land Resources Mg't	Azage Tegegne
93	Teka Gebretekle	Mekelle	Members' saving behavior and determinants of savings in rural savings and credit cooperatives in Alamata Woreda and Ofra Woreda	Agricultural Marketing	Berhanu Gebremedhin
94	Tesfaye Alemu	Haramaya	Effectiveness of upland rice farmer-to-farmer seed production exchange system: the case of Fogera District	Agricultural Extension	Ranjitha Puskur
95	Tesfaye Desalew	Haramaya	Characterization of Rangeland condition and assessment of feed resources in Metema District	Animal Science	Azage Tegegne
96	Tesfaye Mengiste	Hawassa	Characterization of production processing and marketing system of dairy and meat products of cattle in Metema District	Animal Science	Azage / Berhanu
97	Tesfaye Tsegaye	Haramaya	Characterization of goat production and marketing systems and on farm evaluation of the growth performance of grazing goats supplemented with isonitrogenous protein sources in Metema Woreda	Animal Science	Azage Tegegne
98	Teshome Derso	Bahir Dar	On-farm evaluation of urea treated rice straw and rice bran supplementation on milk yield and composition of Fogera cows, Fogera	Animal Science	External
99	Tessega Belie	Bahir Dar	Honeybee production and marketing systems, constraints and opportunities in Bure Woreda	Animal Science	Azage Tegegne
100	Tigeneh Shiferaw	Haramaya	Pastoralists' perception about range resource utilization and their traditional range management techniques in Mieso District	Range Ecology Mg't	
101	Tigist Petros	Haramaya	Adoption of Conservation Tillage Technologies in Metema Woreda	Agricultural Extension	Tesfaye Lemma
102	Tihitina Abebe	Haramaya	The impact of input and output market development intervention of the IPMS project : the case of Meisso Woreda	Agricultural Economics	Moti / Berhanu

103	Tirhas Mebrahtu	Mekelle	The role of community forest in conserving biodiversity and understanding the community forest management institutions in Alamata Woreda	Natural Resource Mgmnt	Berhanu Gebremedhin
104	Tsedeke Kocho	Hawassa	Production, marketing system and performance potential of sheep in Alaba, Southern Ethiopia	Animal Science	Azage / Berhanu
105	Tsegay Okubay	Mekelle	Accessibility and utility of market information for market oriented commodities in Alamata and Atsbi Womberta	Dry Land Agriculture and Natural Res.	Moti Jaleta
106	Wakena Totoba	Arba Minch	Operation analysis of the cascaded Wadecha-Belbela Reservoir system in Adaa Woreda	Hydrology and water resource management	Sileshi (IWMI)
107	Woldemichael Sunamo	Haramaya	Dairy marketing chains analysis: the case of Shashemene , Awassa and Dale Districts' Milk Shed in Southern Ethiopia	Animal Science	Dirk / Berhanu
108	Workneh Abebe	Haramaya	Determinants of adoption of improved box hive in Atsbi Womberta Woreda	Agricultural Extension	Ranjitha Puskur
109	Wuletaw Mekuria	Haramaya	Analysis of the effectiveness of modular training at Farmer Training Centre: The case of Fogera District	Rural Development	External
110	Yebekal Denku Woreta	Haramaya		Agricultural Extension	
111	Yemisrach Getachew	Haramaya	Impact assessment of Input and Output Market Development Interventions of the IPMS Project: The case of Dale and Alaba Woredas	Agricultural Economics	Moti / Berhanu
112	Yenesew Abebe	Haramaya	Characterization of small ruminant production systems and on farm evaluation of urea treated teff straw and concentrate feeding in sheep body weight change in Bure Woreda	Animal Science	Azage Tegegne
113	Yeshitila Admassu	Haramaya	Efficiency of livestock feed resources utilization and forage development in Alaba Woreda	Animal Science	Azage Tegegne
114	Zelalem Tamirat	Haramaya	Adoption of small ruminants fattening package in agro pastoral areas, Mieso Woreda	Agricultural Extension	Ranjitha Puskur
115	Zelege Agid	Haramaya	Analysis of haricot bean marketing chains: A case study of Dale and Alaba Woredas	Agricultural Economics	Wolday / Berhanu

On - going Thesis

1	Asefu Gizachew	Haramaya	Comparative feedlot performance of Washera and Horro Sheep Fed Different Roughage to Concentrate Ratio the case of Bure Woreda	Agricultural Marketing	Azage Tegegne
2	Ayelech Tadesse	Haramaya	Market Chain Analysis of Fruits in Goma Woreda	Agricultural Economics	Moti Jaleta
3	Bahilen Gebremichael	Mekelle	Comparative evaluation on production/quality and management of modern beekeeping and beeforage potential at highland amd midland alttitudes of Atsbi Womberta	Apiculture	Gebremedhin Woldewahid
4	Bezayit Mohammed	Haramaya	Indigeneous Institutions for Market-oriented Small Holder Dairy Development: case study of women milk groups in Mieso District	Agricultural Extension	External
5	Ibrahim Ahmed Umer	Haramaya	Impact evaluation of Forage Development for Market Oriented Livestock Production in Mieso District	Agricultural Marketing	Berhanu Gebremedhin
6	Letifa Abatemam	Haramaya	Knowledge, Attitude and Practices of Growers and Traders on the Quality of Dry-processed Coffee Beans in Jimma Zone, South Western Ethiopia	Marketing	External
7	Mesay Tegegne	St. Mary College	Assessment of the role of women in agriculture.	Agricultural Economics	External
8	Mohammed Abarago	Haramaya	Market Chain Analysis of Honey Production: The Case of Gomma Woreda Oromia	Knowledge/Information Mgt	Berhanu Gebremedhin
9	Mohammed Urgessa	Haramaya	Market chain analysis of Teff and Wheat production in Alaba Woreda	Agricultural Economics	Wolday / Berhanu
10	Nigatu Alemayehu	South Africa University	Assessment of Environment Livestock Interactions in Crop-Livestock production system of the Central Highland	Animal Science	Azage Tegegne
11	Redae Berhane	Haramaya	Analysis of Performance and Innovation Capacity of Private Dairy Farms and Dairy Cooperatives in Alamata Woreda	Agricultural Extension	Tesfaye Lemma
12	Teklay Gebru	Mekelle	Response of highland sheep body weight and intake to different feeding systems in Atsbi Wemberta Woreda	Animal Science	Azage Tegegne
13	Teshome Walle	Kasetsart University	Social and Economic Assessment of the resettlement program in the Amhara Region: In the case of Metema Quara Woreda of North Gondar Zone	Agricultural Economics/Thailand	External

Entry highlighted new sponsored for thesis

Entries for Apr - Sep Completed

Annex 3 : Promotional Events by IPMS Staff (April 2011 - September 2011)

Date	Organized by	Venue	Subject	Attended by
13-Apr-11	PSNP (SNV)	Adama	5th Livestock Value Chain Multi Stakeholders meeting	Zewdu Ayele
19-Apr-11	Tigray BoARD	Mekelle	Regional Farmers' Festival and Panel discussion	Gebremedhin Woldewahid, Dawit Weldemariam, Abraham Gebrehiwot
29-Apr-11	South Gondar Department of Finance & Economic Development	Woreta Town	GO & NGO Cordination Forum	Teshome Derso
6-May-11	Tigray BoARD	Mekelle	Possible intervention areas on AGP and no cost extension of IPMS	Gebremedhin Woldewahid and Abraham Gebrehiwot
1 - 3 June 2011	EIAR & Royal Netherlands Embassy	Addis Ababa	Sustainable Seed System in Ethiopia : Challenges and Opportunities	Abebe Shiferaw
8 - 9 June 2011	PSNP (SNV)	Sheraton Hotel	BOAM Conference "Learning from 6 years of Value Chain Development in Ethiopia"	Ermias Sehai
21-22 June 2011	EIAR	EIAR, Addis Ababa	Milk Quality Based Payment Implementation, Way Forward workshop	Azage Tegegne
24 - 25 June 2011	Bahir Dar University	Bahir Dar	Third National Conference of Ethiopian Textile and Garment Sector: Current status and future growth prospects	Abraham Gebrehiwot
1-Jul-11	Land O'Lakes	Jupitor International Hotel	Discussion on EDDD's manuals for EMDTI to Train Commercial Dairy Business Action	Nigatu Alemayehu
4-Jul-11	KAFACI	Holetta ARC	Artificial Insemination and Embryo Transfer in Cattle	Azage Tegegne
6 -7 July 2011	MoA, Africa CGIAR, CCFE	Ghion Hotel	Climate Change Vulnerability and Risk Assessement of Agriculture and food security in Ethiopia: Which way forward?	Lemlem Aregu
8 - 9 Jul 2011	Haramaya University	Haramaya	2nd Dialogue on Ethiopian Agriculture with focus of tertiary education in the agricultural sciences and Haramaya University Convocation	Azage Tegegne
18-Jul-11	USAID CARE Ethiopia	Adama	6th Livestock Value Chain Multi Stakeholders Plat form	Nigatu Alemayehu

21-Jul-11	Ethiopian Economic Association	Ethiopian Economic Associatin Head Office	International Conference of Ethiopian Economic Association	Fanos Mekonnen
21 - 22 July 2011	Agricultural and Rural Dev't Partners Linkage Advisory Council (ARDPLAC)	D/Berhan	Federal Council 7th Meeting	Azage Tegegne
29-Jul-11	FAO	FAO, Addis Ababa	Validation Workshop on Meat and Dairy Training Curriculum of the Chiro Agro-technology, Industry and Forestry Development Institute , Haramaya University	Azage Tegegne
30-Jul-11	School of Veternary Medicine, Addis Ababa University	Debrezeit Campus - Addis Ababa University	Convocation for Veternary Medicine of Addis Ababa University	Azage Tegegne
1-Aug-11	Tigray BoARD	Mekele	Sustainable Supply of Forage Planting Materials workshop	Gebremedhin Woldewahid
1 - 2 Aug 2011	Amhara BoA	Bahir Dar	Livestock Development Strategic Plan Workshop	Azage Tegegne
1 - 3 Aug 2011	ANRS-BOA	BOA meeting hall	Amahara Livestock Agency Initiative	Tilahu Gebey and Teshome Derso
6-Aug-11	EMDTI	Debrezeit	Discussion on the Institute's 5 year Dairy Plan	Azage Tegegne
9-Sep-11	CIDA	Addis Ababa	Result Based Management Training	Fanos Mekonnen
12-Aug-11	TARI, Federal and FAO	Mekelle	Workshop on biotechnology application to agriculture	Azage Tegegne, Gebremedhin Woldewahid and Abraham Gebrehiwot
15 - 16 Aug 2011	FRI	Mekelle	Farm Radio International (FRI)	Gebremedhin, Dawit and Abraham
13-Sep-11	Mekelle University	Mekelle	Climate Change and Community	Gebremedhin Woldewahid
19 - 20 Aug 2011	FRI	Dale	Farm Radio International (FRI)	Bereket Dindamo
22-Sep-11	SPS - LMM Program	MoA	National Livestock Market Information System Launching and Demonstration	Dirk Hoekstra, Azage Tegegne and Berhanu Gebremedhin
23-Sep-11	Land O'Lakes	Harmony Hotel, Addis Ababa	USAID - EDDP "Lessons Learned" Meeting with Partners	Dirk Hoekstra