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Activity summary: (September 2006 - September 2007)

Implementing partner: ARD, Inc.

Activity name: Mozambique Agriculture Research Competitive Grants Activity
(Compete)

Activity objectives: To strengthen Mozambique's agriculture research system capacity to cost effectively promote the adoption of improved agricultural technologies.

Purpose: To develop a competitive grants system (CGS) that will contribute to strengthening the government of Mozambique's agricultural research system capacity.

USAID/Mozambique SO: Strategic Objective (SO) 6 - Increase in rural incomes sustained.

Life of activity (start and end dates): September 1, 2006 to August 30, 2009

Total estimated contract/agreement amount: \$3,297,680

Obligations to date: \$2,000,000

Accrued expenditures last quarter: \$98,786

Activity cumulative accrued expenditures to date: \$ 505,516

Estimated expenditures next quarter: \$120,000

Report submitted by: Dr. Marcos Freire, Chief of Party

Submission date: October 15th, 2007



LIST OF ACRONYMS

Abbreviation	Detailed information
ACDI/VOCA	Agricultural Cooperative Development International/Volunteers in Overseas Cooperative Assistance
AGPS/PGR	Seed and Plant Genetic Resources Service
ARD	Associates in Rural Development
ASARECA	Association for Strengthening Agricultural Research in Eastern and Central Africa
ASDI/SIDA	Agencia Sueca para o Desenvolvimento Internacional/Swedish International Development Agency
AWP	Annual Work Plan
CARE	International NGO
CDC	Center for Disease Control
CEPAGRI	Centro de Promoção da Agricultura/Agriculture Promotion Center
CESE	Centro de Estudos Sócio-Económicos/Center for Socio-Economic Studies
CGIAR	Consultative Group on International Agricultural Research
CGS	Competitive Grants System
CIP	International Potato Center
CIUEM	Centro de Informatica da UEM/UEM IT Center
CLUSA	Cooperative League of the USA
COMPETE	Name given to the MARCGP unit at IIAM
COP	Chief of Party
CP	Concept Paper
CTO	Cognizant Technical Officer
DANIDA	Danish International Development Agency
DARN	Technical Directorate of Agriculture and Natural Resources (part of IIAM)
DCA	Technical Directorate of Animal Science (part of IIAM)
DFDIT	Technical Directorate of Training, Dissemination and Technology Transfer (part of IIAM)
DFID	Department for International Development
DNEA	National Directorate of Agrarian Extension
DNFT	National Directorate of Forestry and Land
DNSA	Direção Nacional de Serviços Agrários/National Directorate of Agrarian Services
DPAF	Directorate of Planning, Administration and Finance (part of IIAM)
Dunavant	Cotton company
EC	European Community
ERR	Environmental Review Report
ESF	Environmental Screening Form
FAEF	Faculty of Agronomy and Forestry Engineering; UEM
FANR	SADC Food, Agriculture and Natural Resources Directorate
FANR/PAN	Food and Natural Resources/Policies Analysis Network
FARA	Forum for Agricultural Research in Africa
FFH	Food For the Hungry

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Abbreviation	Detailed information
FNI	National Research Fund (MCT)
GMM	Grants Management Manual
GoM	Government of Mozambique
HIV/AIDS	Human Immunodeficiency Virus/Acquired Immune Deficiency Syndrome
IARC	International Agricultural Research Center
ICIPE	International Centre of Insect Physiology and Ecology
ICRAF	International Centre for Research in Agroforestry
ICRISAT	International Crops Research Institute for the Semi-Arid Tropics
IEHA	President's Initiative to End Hunger in Africa
IFAD	International Fund for Agricultural Development
IIAM	<i>Instituto de Investigação Agrária de Moçambique</i> (National Agrarian Research Institute)
IITA	International Institute for Tropical Agriculture
IKURU	Producers Organization based in Nampula
ILRI	International Livestock Research Institute
IP&DM	Integrated Pest and Disease Management
IPM	Integrated Pest Management
IQC	Indefinite Quantity Contract
ISP	Instituto Superior Politécnico/ Politechnic Institute for Higher Education
ISPG	Instituto Superior Politécnico de Gaza/Gaza Polytechnic Higher Education Institute
ISPM	Instituto Superior Politécnico de Manica/Manica Polytechnic Higher Education Institute
IT	Information Technology
M&E	Monitoring and Evaluation
MARCGP	Mozambique Agricultural Research Competitive Grants Program
MCC	Millennium Challenge Corporation
MCT	Ministry of Science and Technology
MEO	Mission Environmental Officer
MINAG	Ministério da Agricultura (Ministry of Agriculture)
MSU	Michigan State University
NGO	Non-Governmental Organization
NRM	Natural Resources Management
OFR	On-Farm Research
OSR	On-Station Research
PAC	Project Advisory Committee
PARPA	Plano de Acção para a Redução da Pobreza Absoluta (Poverty Reduction Strategy Paper)
PROAGRI	Programa de Despesas Públicas do Sector da Agricultura (Agricultural Sector Public Expenditure Program)
PVO	Private Voluntary Organization
R&D	Research and Development
RAIN	Regional Agricultural Information Network
RAISE	Rural and Agricultural Incomes with a Sustainable Environment
REO	Regional Environmental Officer
RFP	Request for Proposals
Ruforum	Regional Universities Forum for Capacity Building in Agriculture

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Abbreviation	Detailed information
SADC	Southern Africa Development Community
SARPN	Southern African Regional Poverty Network
SETSAN	Secretariado Técnico de Segurança Alimentar e Nutrição/Technical Secretariate for Food Security and Nutrition
SGM	Senior Grants Manager
SGS	Senior Grants Specialist
SO	Strategic Objective
SOW	Statement of Work/ Scope of Work
SPER	Serviços Provinciais de Extensão Agrária/Provincial Servicer of Agricultural Extension
STA	Senior Technical Advisor
SWMNET	Soil and Water Research Management Network
TO	Task Order
TRC/TREC	Technical Review Committee/ Technical Review and Evaluation Committee
UCM	Universidade Católica de Moçambique/Catholic University of Mozambique
UEM	Universidade Eduardo Mondlane/Eduardo Mondlane University
UP	Universidade Pedagógica/Pedagogical University
USAID	United States Agency for International Development
USDA	United States Department of Agriculture
Vetaid	Veterinary NGO
WFP	World Food Program
WVI	World Vision International
ZC/CZ	Zonal Center (of the four zonal research centers of IIAM)

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EXECUTIVE SUMMARY

In September 2006 USAID/Mozambique began supporting the implementation of an Agricultural Research Competitive Grants Program in Mozambique (MARCGP) implemented by ARD, Inc. and with IIAM as the sole partner and client. The program is to be implemented in 3 years with a base fund of \$3.3 million dollars.

In order to enhance the competitive nature of the process of soliciting, evaluating and attributing agricultural research grants, the program was later named COMPETE.

COMPETE is based at IIAM, Pedology Building in Maputo and composed of a team of 4 including Dr. Marcos Freire - COP, Dr. Pauline Wynter - SGM, Aida Ismael - Office Manager, and Isac Majaia – Driver.

During the initial stages the COMPETE team develop the annual work plan, the PMP-PI indicators and completed the setup of the local office.

One of the first steps in the implementation process was the preparation a Grants Management Manual that would encompass all stages from the Request For Proposals, to the selection of proposals and their implementation, monitoring and evaluation. The GMM was approved as a work in progress on February 26, 2007.

Simultaneously, a priority setting activity was carried-out in which priorities were defined for further use.

A two-tier competitive process was selected which included a first phase of requesting, evaluating and selecting concept papers, and a second phase were the proponents of the selected CPs develop full proposals for evaluation and final selection. In all case the selection process is done by the Technical Review and Evaluation Committee (TREC), which included the Senior COMPETE staff, the DG of IIAM - Dr. Calisto Bias, A representative from MCT - Dr. Alsácia Atanásio, a representative from MSU/IARC – Dr. Gilead Mlay, the USAID CTO – Irene de Souza, and finally it is chaired by a recognized scientist from the region – Dr. Albert Chiteka from Africa University in Mutare.

During the first year of implementation two zonal-wide competitions were carried-out:

- Round 1 – with RFP launched on January 5, 2007.
- Round 2 – with RFP launched on April 13, 2007.

In relation to round 1, by February 5, 2007 we received 43 CPs which were evaluated by a mini-TREC on February 20, 2007 when 11 CPs were selected and their lead research asked to develop full proposals. On reception, the full proposals were sent to 8 readers which evaluated 3 proposals each, therefore having each proposal evaluated 3 times. Using the results from the readers' evaluations, a full TREC meeting was conveyed on May 10, 2007 which resulted in the selection of 6 proposals for funding. After approval of the environmental evaluations and signing the award letters (contracts), a formal Awards Cerimony was held on September 26, 2007.

Round 2 followed the same process. On May 16, 2007 35 CPs were received and further evaluated. The mini-TREC met on June 20, 2007 and selected 13 CPs to develop full proposals. The full TREC meeting was held on August 24, 2007 resulting in the selection of 4 proposals.

Training on CP and proposal writing was one of the first tasks that involved high interaction between COMPETE staff and agricultural researchers working in Mozambique. Training sessions were conducted throughout the country with emphasis in Maputo, and at the main sites of IIAM Zonal Centers. The summary of the training results include:

- Round 1:
 - Training in CP writing: January 17 thru March 23, 2007.
 - 10 training sessions involving 118 researchers from several institutions and 4 provinces.
 - Training in proposal writing: March 2007.
 - 1 training session involving 9 researcher and an additional 23 researchers trained one-on-one in multiple sessions.
 - Training in preparation of ESF and ERR: done together with proposal writing and one-on-one
- Round 2:
 - Training in CP writing: April 11 thru April 26, 2007.
 - 10 training sessions involving 83 researchers from several institutions and 4 provinces.
 - Training in proposal writing: April 24 thru July 20, 2007.
 - 4 training session involving 28 researchers. A considerable number of 23 researchers had one-on-one training sessions.
 - Training in preparation of ESF and ERR: done together with proposal writing and one-on-one
- In total we had:
 - Training for concept paper preparation – **14** sessions involving **164** researchers from IIAM, Zonal Centers, Technical Directorates, NGOs, CGIARs, Private enterprises, Universities (public and private).
 - Training in proposal writing and environmental report preparation – **8** sessions involving **77** researchers from various institutions public and private, including the Zonal Centers. In this case, it should be mentioned that we also had one-on-one sessions with at least **20** additional researchers.
 - Included in the mentioned **22** formal training sessions, we had a total of **8** sessions outside Maputo involving **59** researchers IIAM researchers from the Zonal Centers.

Among the characteristics of the selected proposals it is important to emphasize:

- A total of 78 CPs were submitted, 24 selected for the development of full proposals and 10 selected for funding.
- 32% of the CPs were lead by women, which resulted in 30% of proposals selected for funding.

- The proportion of women researchers as part of the research team varies from 30 to 60% depending on the round and stage of grant development.
- Reflecting IIAM priorities, 50-55% of the proposals selected for funding relate to crop research, while the remaining percentage was attributed to animal science and natural resource management projects.
- The average budget of the selected proposals varied between \$110,000 and \$195,000 being higher in round 2.
- At all stages, from CPs to proposals, IIAM always contributed with more than 50% of the submission, with the Zonal Centers accounting to most of IIAM's proposals.
- Besides IIAM, UEM and ISPG received the remaining research grants.
- In terms of working sites, Nampula, Zambézia, Gaza, Manica and Tete were the mostly frequently proposed working sites.

As part of COMPETE outputs, we established and updated our [webpages](#) located within [IIAM's website](#) which have both Portuguese and English versions, and was used to announce the RFPs, the results from the selection process, as well as information of interest to researchers.

COMPETE is working with IIAM to revamp its website and change its image to a more product oriented site.

During the first year 5 issues of the COMPETE newsletter were released both in Portuguese and English, uploaded on our webpages and distributes to a 200 plus emailing list.

In order to achieve sustainability, COMPETE is now involved in a process of training in project management, accounting and M&E, and preparing the road to transfer the program to IIAM management.

1 BACKGROUND

USAID/Mozambique began supporting the implementation of an agricultural research competitive grants system (CGS) in September 2006 when the Competitive Grants Program for Agrarian Research in Mozambique (MARCGP) implemented by a team from ARD, Inc. began working at the Instituto de Investigação Agrária de Moçambique (IIAM). The program will be implemented over 3 years with a base fund of \$3.3 million dollars. It will strengthen the capacity of the national agricultural research system to conduct research and disseminate agricultural technologies and contribute to the revitalization of Mozambique's agriculture sector. During the first quarter of the CGS program USAID, ARD, Inc and IIAM have established the Competitive Grants Program named it **COMPETE**. The name reflects the competitive character of the process through which the grants will be awarded. **COMPETE** is based at IIAM, in the Pedologia building.

Mozambique has made a dramatic recovery since the end of civil war in 1992. However, it is still one of the poorest countries in the world with per capita income of \$240. While the poverty rate has declined from 69% in 1996/97 to 54% in 2002/03, the malnutrition rate has increased over the same period of time and the country remains food insecure. A majority of Mozambican farmers rely on rainfed, subsistence agricultural production for their livelihoods.

Mozambique has identified agricultural growth as the key pillar of economic growth for national development. Current government strategies include (1) improvement in food security; (2) reduced poverty, especially among small holders; and (3) quick improvements in the economic well being of the rural population.

Most gains in food production in Mozambique in the past decade have come through expansion of the cultivated area rather than through significant improvements in productivity. Thus, the government wishes to increase agricultural productivity. In the more favored coastal areas where land and water resources are better, they intend to bring emerging farmers into the mainstream of rural economic growth through a combination of improved agricultural technology and access to better markets. Farmers in interior areas require access to improved varieties, agricultural inputs, and information about available opportunities to improve their productivity in order to avoid destruction of fragile miombo woodland habitats.

Mozambique has received considerable donor assistance to develop the capacity of the Ministry of Agriculture and develop the sector, including support through the sector investment program, ProAgri. USAID has supported ProAgri as well as implemented programs to increase rural incomes through increased agricultural production, rural enterprise development and roads construction. USAID's implementing partners have attempted to identify and disseminate improved agricultural technologies but their efforts have been dispersed, do not always reflect best practices, and have been limited in scope.

USAID has been in the forefront of international donors responding to the identified needs and requests of the Government of Mozambique. In September 2006, focusing on efforts to achieve rapid rural growth, a strategy consistent with Presidential Initiative to End Hunger in Africa (IEHA) programs, USAID began supporting efforts that will (1) build on existing programs and institutions rather than establish new ones, (2) ensure scientific and technological advancements are applied to real needs of rural areas, and (3) bring

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together production and market thrusts specifically aimed at improving the condition of rural populations.

Many studies have demonstrated the strong linkage and multiplier effect of agricultural research on economic growth. While the key to improving the performance of African agriculture requires an integrated approach involving market linkages, a supportive policy environment and other factors, it is clear that application of science and technology is key to the dynamic transformation of low input - low output subsistence agriculture practices.

A number of African countries have developed strong research partnerships with extension, NGOs, farmers and private sector partners to promote adoption of productive technologies. International agriculture research institutes, such as the International Institute of Tropical Agriculture (IITA), can also be pivotal to bolstering African agriculture research capacity.

Mozambique's national agricultural research system was recently restructured into the IIAM. IIAM's leadership is embarking on a new paradigm for improving accountability, impact and management of its programs by instituting management systems to improve accountability, prioritize research activities and support competition for research grants. USAID, through a cooperative agreement with Michigan State University (MSU), has provided training in socio-economic capacity to improve the identification and dissemination of improved crop and livestock technologies by IIAM, including a focus on selected zonal research centers.

USAID is investing in a Competitive Grants Activity that has three overall **objectives**:

- Improved capacity of *Instituto de Investigação Agrária de Moçambique* (IIAM) to provide research guidance, and manage funds from various donors that support development and adoption of improved agricultural technologies;
- Strengthened capacity of national researchers and research organizations to meet national needs through the development of technologies that enhance agricultural production; and
- High and rapid impact achieved by combining improvements in agricultural technology with private sector interests, existing government and NGO networks, improved dissemination, and increased investment in rural areas.

The objective of this activity is to strengthen Mozambique's agriculture research system capacity to cost effectively promote the adoption of improved agricultural technologies, with the purpose of developing a Competitive Grants System (CGS) that will contribute to strengthening the government of Mozambique's agricultural research system capacity.

The implementation will contribute to USAID/Mozambique **Strategic Objective (SO) 6**: Increase in Rural Incomes Sustained which supports the US Presidential Initiative to End Hunger in Africa and Mozambique's poverty reduction strategy.

This Task Order's overall result will be i) increased Mozambique national agriculture research system capacity to promote the development, and ii) dissemination and adoption of improved agricultural technologies, while its implementation will result in i) sustainable CGS that will have a positive impact on Mozambique's agricultural productivity long after completion of this SOW's implementation, and ii) sustainable CGS capacity will positively impact all aspects of Mozambique's agricultural technology research, development and dissemination and contribute to achievement of USAID/Mozambique's Strategic Objective 6: Increase in Rural Incomes Sustained.

This TO will be implemented so that i) there is broader and deeper involvement of public

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and private sector stakeholders in planning and conducting high priority research, ii) experimental results are translated into real impact at the farm level, and iii) agricultural research, technology development and dissemination responds to market opportunities, while insuring that i) a broader set of experience and expertise is brought into play, ii) maximum efficiency-and the least redundancy-in research is attained through inter-organizational division of labor, iii) the full complement of issues and activities associated with the research to delivery continuum are addressed, and iv) a new culture of inter-organizational collaboration on agreed upon priorities is created.

USAID, ARD, Inc and IIAM have developed a grant-making and grant management process that includes (see [strategic approach](#)):

- Determination by public and private agricultural sector partners of high priority research areas in agricultural technology.
- Solicitation process for research proposals, a two tier process that begins with this solicitation of Concept Papers (CP) followed by solicitation of full proposals for selected Concept Papers.
- Technical support for the preparation of proposals.
- A Project Advisory Committee chaired by the Director-General of IIAM, and including the chair of the Selection Committee and USAID representative, and which will approve all CGS grants.
- The Selection Committee, chaired by an independent, respected individual with relevant technical expertise, preferably from Southern or East Africa.
- Grant awarding process.
- Research implementation of monitoring and evaluation.

2 ANNUAL PROGRESS

There are 5 main tasks in the Mozambique Agricultural Competitive Grants Task Order. This section describes the activities under each task that were done during the first year of the project. The tasks are:

Task 1: Program Establishment & Administration

Task 2: Awards Process

Task 3: Implementation and Monitoring of Awards

Task 4: Enhancing National Capacity

Task 5: Production of Dissemination Materials

This section of the report describes the activities undertaken in regard to each task.

2.1 TASK 1: COMPETITIVE GRANTS SYSTEM (CGS) PROGRAM ESTABLISHMENT AND ADMINISTRATION

2.1.1	Establish an office at IIAM	✓	
2.1.2	Develop a budget scenario of 3 years/approximately US\$ 3.3 million	✓	

2.1.1 Start Up - Technical

The ARD Team in Mozambique was established during the first quarter and is composed by Dr. Marcos Freire, COP, and Dr. Pauline Wynter, Grants Manager, with Hammond Murray-Rust as Senior Technical Adviser (STA) based in Burlington, VT.

During the month of September 2006 under the guidance of Hammond Murray-Rust (STA) the team was assembled and initial work for program establishment began with full participation of the SO6 team from USAID/Mozambique mission.

Several contacts involving senior personnel at MINAG, PROAGRI, IIAM, MCT, MSU-Food Security Project, and ARD-PROGOV took place (details presented in [Hammond Report to USAID - meetings.doc](#)). As a result an initial perception of opportunities and difficulties was developed and presented to USAID (details in [Hammond's Report to USAID.doc](#))

Although working mostly on a need basis, the composition of the Project Advisory Committee (PAC) was established and includes Dr. Calisto Bias, as Director-General of IIAM, Irene de Souza, as the project Cognizant Technical Officer (CTO), and the Chairperson of the TREC (Technical Review and Evaluation Committee). The later will only be involved when it relates to the final approval of the proposals selected by the TREC for funding.

The meetings with Dr. Venâncio Massingue, Minister of Science and Technology, and Dr. Alsácia Atanásio, coordinator of the National Research Fund (FNI) also from MCT where of particular importance, as they set the basis for the future relationship and interaction between FNI and COMPETE and allowed the team to get acquainted with the most recent laws regarding research, researchers and funding of research.

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During the Second Quarter, the ARD **COMPETE** team was completed and consisted of:

- Chief of Party and Technical Manager – Dr. Marcos Freire.
- Senior Grants Specialist – Dr. Pauline Wynter.
- Office Manger – Aida Ismael (November 2006).
- Driver – Isac Mabjaia (February 2007)

Although most work was done during the first quarter, by the end of February we successfully completed the setup of our office which included the purchase and installation of some furniture, computers, software and peripherals (Annex 6), the establishment of a dependable local wireless network (with access for some DARN/IIAM researchers working in the same building as **COMPETE**), as well as a good internet access and email conditions through the local telephone company broadband services, and the purchase of a vehicle and hiring of a driver.

2.1.2 Annual Work Plan and Budget issues

In the first quarter at the beginning of the Task Order a three-year budget scenario was developed by ARD Home Office staff and submitted to USAID-Maputo in September 2006.

This detailed first year work plan was submitted to the Task Order CTO on October 13, 2006 and approved on November 30, 2006 (see documents [AWP October 2006 - v004.doc](#) and [Work plan v004.xls](#)). Based on the workplan a proposal for the Performance Monitoring Plan and Performance Indicator was submitted and approved on February 13, 2007 with minor adjustments approved on [April 5, 2007](#).

During the third quarter the USAID Task Order CTO requested a proposal regarding a realignment or amendment of the budget to reflect specific gaps in the budget:

- Lack of a budget line for translations (grants management manual and the proposals)
- Under-budgeting for the Website and IIAM connectivity.
- General management costs for the third year of the project.

The home office prepared a draft revised budget in June 2007 that was submitted to the CTO on June 27th. Based on information received from CTO a final realignment proposal has to be presented.

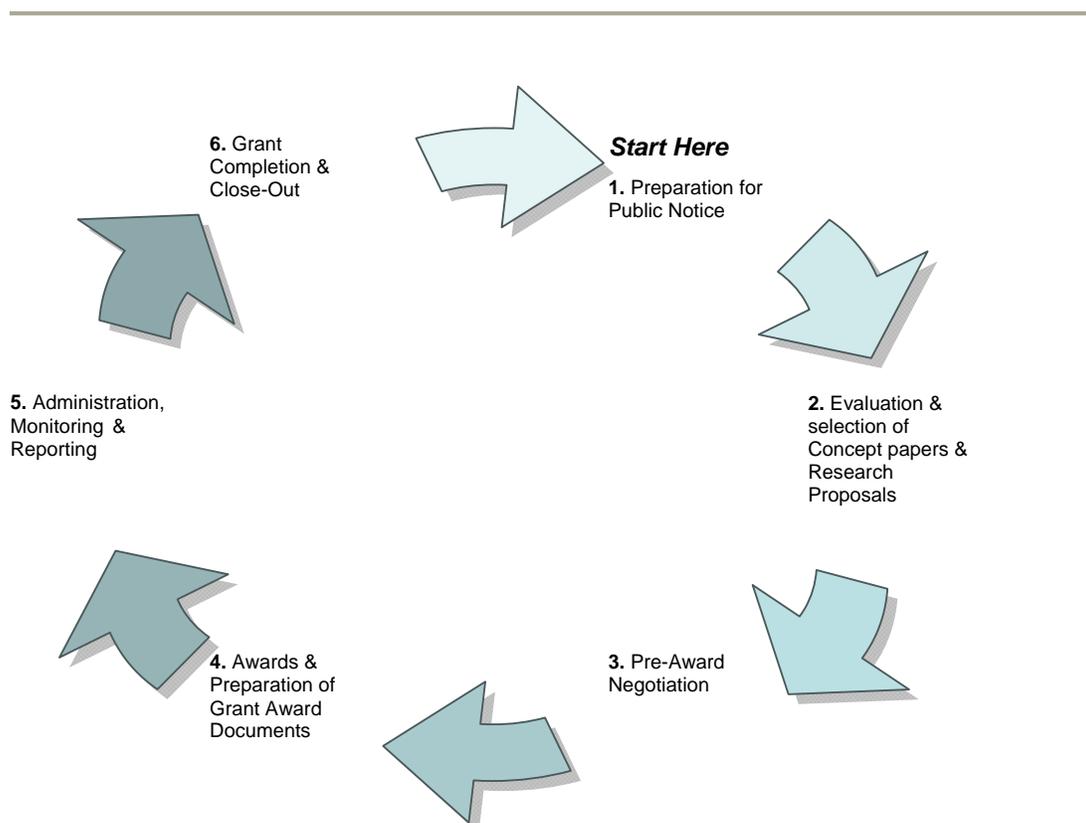
2.2 TASK 2: AWARDS PROCESS

2.2.1	The Grants Management Manual	Done	
	Revise GMM for handover to IIAM		On-going
2.2.2	Develop an RFP calling for agricultural technology development concept Notes & proposals	Done	
2.2.3	Conduct two zonal-wide competition for <u>concept notes</u> involving all relevant public and private sector stakeholders, including outreach efforts at zonal centers.	Done	
2.2.4	Improve the capacity of successful concept note or proposal authors to develop agricultural development and dissemination proposals through <u>proposal writing workshops for successful applicants at zonal research centers</u> and/or development of a manual in Portuguese/English for preparing concept papers and proposals.	Done	
2.2.5	Assist applicants in developing complete and responsive proposals, including programmatic and budgetary issues;	Done	
2.2.6	Establish a review panel to evaluate and prioritize proposals	Done	
2.2.7	Conduct 2 competitions for <u>full proposals</u> in the first year and 1 in the second year	Done	
2.2.8			

2.2.1 The Grants Management Manual

The second set of tasks for the ARD Task Order is to establish an Awards Process. This process is essentially laid out in the GMM, a draft of which was completed in the first quarter. The **Compete** grant award process can be viewed as a cycle. Within the grant cycle there are six phases - each phase consists of a different set of activities that make up the solicitation and management of grant-making. Figure 1 summarizes the six phases.

Figure 1 - The **Compete** Grant Awards Cycle



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The Grants Management Manual guides **COMPETE**'s grant solicitation, evaluation, contracting, financial management, monitoring and close-out process for the project's agricultural research programs.

The framework of the **COMPETE** GMM was taken from the existing ARD GMM which is the product of years of use and refinement in the management of USAID grants making projects around the world (mainly South America). The ARD manual is fully reflective of the USAID regulations for a very broad range of grant management situations.

Inputs into the process of developing the **COMPETE** Grants Management Manual began during the first quarter (September-December 2006) with a thorough understanding of the Task Order, consultations with IIAM senior staff and with the responsible staff members at the Ministry of Science and Technology where a similar competitive process had been recently set up.

COMPETE's SGM streamlined the ARD manual to respond to the **COMPETE** Task Order, providing a clear, concise manual for Mozambican institutions, as well as international institutions, to use, in complete conformity with the USAID regulations, sensitive to differences in Mozambican financial management and attentive to the competitive grants approach that Ministry of Science and Technology (MCT) had just developed. The competitive research grants approach could be said to be in a phase of rapid development in Mozambique since MCT is reviewing many aspects related to research that are relevant to competitive grants management such as the category of researchers in the state apparatus as it addresses salaries, incentives and subsidies and the ownership of intellectual property. **COMPETE** is staying current with that process aligning our management approach with MCT and will continue to follow it as it develops.

The SGM sought and received advice from the ARD Home office and from USAID in relation to restricted items that were potentially going to be needed in the research to be conducted with the grants. These were pesticides, fertilizers, reagents and pharmaceuticals. Authorization will be necessary and **COMPETE** will stay in close discussion with the researchers so that authorization will be requested as early as possible to prevent any delay in the implementation of each research programs.

The SGS met three times in November 2006 with our USAID CTO to go over sections of the GMM and delivered the draft Manual on November 29, 2006 which was approved on February 26, 2007 as a work in progress towards the Manual (final document) to be handed over to IIAM at the end of year 2. After a series of discussions the sections relevant to the first solicitation, namely the sections outlining **COMPETE**'s strategy for grants management, the format and content developed for the RFP and the concept paper, the process for solicitation for the grants and the evaluation criteria, were approved.

After discussions with USAID CTO and SO6 Team Leader cost sharing was specifically dropped as a strategy. And, it was determined that the references to the USAID regulations in each paragraph would be eliminated without changing the basic rule that was being established in the paragraph. This would make for easier reading. The GMM is now a 32 page manual with 18 annexes.

The [GMM \(cover\)](#) and its [Annexes](#) were approved on 26th February 2007.

The GMM and its annexes were sent out for translation into Portuguese in March 2007. The approved English translation was distributed on CD to all researchers preparing proposals as well as to the focal points on CD. CD's were also available in the training

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sessions conducted for the second round. The GMM is also one section of the Award Letter.

Two key areas covered in detail in the GMM are described in the next two sections:

2.2.1.1 A Two-tier Competitive Process

COMPETE Grants will be competed through a two-tier approach: an initial Concept Paper and a then a full Proposal. This will allow researchers to produce a brief 6 page paper that focuses primarily on detailing the problem and potential solution/s that they intend to research. The concept paper procedure will allow **COMPETE** to efficiently review and screen concepts from a large number of researchers and minimize the financial burden for both **COMPETE** and the applicants. Only those researchers whose concept papers are highly rated will be invited to prepare a full proposal.

2.2.1.2 Establishment of a Review and Evaluation Process for Concept Papers and Proposals

The GMM covers the technical and review process. The ARD team determined that the most transparent process was to define and develop clear guidelines for a Technical Review and Evaluation Committee (TREC) for Compete. The TREC is fully described in the GMM and it is designed to ensure that the evaluation of CPs and full proposals is conducted in a transparent manner. The TREC is composed of senior scientists or specialists selected and approved by USAID, **COMPETE** and IIAM. Its functions are to

- Review the evaluations of concept papers made by **COMPETE** GM and COP and make the final selection of Concept Papers.
- Evaluate the second-tier grant proposals, request expert opinion where required and select the finalists.
- Review Field Monitoring reports and Annual reports from the researchers; and
- Provide feedback on the grant making process, the quality of proposals, and provide recommendations to improve the competitive grants management process.

The composition of the TREC as described in the approved GMM is:

Senior East/Southern Africa Agronomist, Chairperson	Dr. Albert Chiteka; Africa University, Mutare, Zimbabwe
COMPETE Technical Manager and Chief of Party	Dr. Marcos Freire
IIAM Director General	Dr. Calisto Bias
USAID Cognizant Technical Officer	Irene de Souza
IARC/MSU	Dr. Gilead Mlay
MCT Representative	Dr. Alsácia Atanásio
COMPETE Senior Grants Management (Non- voting)	Dr. Pauline Wynter

The TREC will meet twice each Grant making cycle:

1. A sub-committee of the TREC (at least four members) will meet to review the preliminary evaluation of the Concept Papers done by **COMPETE** Senior GM and COP.

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2. The full TREC Committee will meet to evaluate the Grant Proposals.

The review and evaluation process is designed to be transparent, objective and numeric-based. Once the GM receives all of the proposal evaluation forms for one application, s/he will average the scores. Proposals will be ranked by average score of their technical proposal. Based on the estimated available funding a corresponding amount of applications will be labeled "Proceed in Cycle."

New activities under this task were largely related to the management of the Concept paper and proposal management. A filing system was set up for the concept papers and individual files created for the proposal writers. A CD of all concept papers and later a CD of the proposals was created for project CTO. We further decided that when the Award letters are complete that one CD for round one with all Concept papers, all proposals and the complete AWARD Letter would be saved on one CD for the USAID CTO, IIAM and the home office.



Figure 2 - TREC meeting during the selection of proposals for the First Round.

With the presence of Dr. Albert Chiteka (Africa University, Mutare, Zimbabwe) chairman, Dr. Calisto Bias (Director General IIAM), all TREC members and the Compete Team.

2.2.2 Development of the RFP

During the quarter spanning from September through December 2006, the ARD Team developed an RFP calling for agricultural technology development concept notes and proposals. Researchers from all relevant public and private sector stakeholders, including zonal centers were eligible to apply.

The Compete RFP is composed of four elements: 1) Cover letter with dates and eligibility requirements; 2) IIAM's strategy for agricultural competitive grants, that is to say, what it is IIAM wants to achieve and the USAID ARD team are assisting to achieve; 3) IIAM's Research Priorities; 4) instructions and a guide for writing the concept paper.

The research strategy was developed as a part of the GMM process based on the Task Order and extensive discussions with IIAM Director General and with the IIAM focal Points. Similarly the guide for writing was based on standard guides for concept papers available on many websites and then discussed with the focal points and adjusted to suit the research experience of researchers here. The Research priorities required a much more extensive piece of work that is described in the next section.

2.2.3 Research Priorities

The ARD Team facilitated an IIAM workshop held on the 10th November 2006 at IIAM and based on a stepwise participatory methodology during which short and medium term research priorities were identified and structured.

Research priorities by commodity, region and zonal center were developed by the MSU team (Walker et al, 2006)¹, and is summarized in Table 1 below.

Table 1 - Agricultural Research Priorities for Mozambique Competitive Grants

Zonal center Priority rank by commodity	Very high value commodities (priority 1)	High value commodities (priority 2)	Medium value commodities (priority 3)	Low value commodities (priority 4)	Other commodities (priority 5)
South (Provinces of Maputo, Gaza and Inhambane)	cassava, maize	sweet potato, peanut	chicken, goats, cashew, rice	cattle, cowpea, tomato, coconut, cowpea	pigs, bambara nuts, cabbage lettuce, mango, mandarin, orange, onion
Central (Provinces of Manica, Sofala, and Tete)	cassava, maize	sweet potato	sorghum, goats chicken, rice cotton	cattle coconut, sugarcane beans	banana, pigeonpea, sesame onion, lettuce, mango, mandarin, pigs,
Northeast (Provinces of Zambézia, Nampula and Cabo Delgado)	cassava, maize	sweet potato, peanut	chicken, rice, tobacco, sorghum, cashew, cotton, goats	cowpea, sugarcane	pigs, banana, bambara nuts, pigeonpea, sesame, potato pearl millet, sheep, oranges, mangos
Northwest (Province of Niassa)	maize cassava	sweet potato	tobacco, goats	cattle, beans, tomato, sugarcane	banana, potato, cabbage onion, lettuce, mango, sheep

Taking into account the specificities and objectives of the **Mozambique Agricultural Research Competitive Grants Program** which focuses on short to medium duration research, adaptive, able to be immediately implemented, with farmer involvement and with quick impacts, and based on the results from the workshop about detailing research priorities, it was possible to group the priorities in 6 cross-cutting issues for agricultural crops and 6 for animals (see details at [Workshop priorities report - Nov 2006.doc](#)).

¹ Walker et al, 2006. Priority setting for public-sector agricultural research in Mozambique with national agricultural survey data. Research Paper Series No. E3, DFDTT, IIAM, Maputo, Mozambique.

A. Agricultural crops and forestry

- 1 Evaluation, testing and introduction of genetic materials (germplasm, varieties, hybrids, and clones) better adapted to the existing environmental conditions (including drought), with better productivity, adapted to the market, with tolerance or resistance to the major pests and diseases, free of contaminations (use of biotechnology).
- 2 Integrated pest and disease management, including birds, insects, nematodes, fungi, bacteria, viruses, weeds and parasitic plants, and aspects related to cleaning and multiplication of vegetative propagation materials.
- 3 Integrated soil fertility management, including conservation farming, use of inorganic and organic (manure, compost, green manure and mulching) fertilizers, and the use of legumes.
- 4 Increase the productivity of cropping systems (sole, mixed and intercropping), through the use improved agronomic practices adapted to the prevailing socio-economic conditions, including high intensity land use systems (irrigation), animal traction, and land preparation and forming.
- 5 Improvement of the post-harvest process, including betterment of the drying and processing conditions at farm level, quality adapted to the market, agro-processing and alternative products, and marketing.
- 6 Inventories and surveys.

B. Livestock

- 1 Disease identification and control and farm level, including the development and use of vaccines.
- 2 Identification, testing and dissemination of alternative feed technologies adapted to the rural producers (family sector), which guarantee a better nutrition and growth of animals, including the cyclic annual critical periods and pre-sale.
- 3 Adaptation and genetic improvement of the main domestic and domesticable animal species, including the determination and application of selection criteria adapted to the prevailing socio-economic conditions of the rural areas.
- 4 Improvement and dissemination of low cost lodging technologies adapted to the rural household producers (family sector).
- 5 Testing and introduction of processing techniques for animal products and derivatives, with special attention to aspects of public health and marketing.
- 6 Improvement of management practices aimed at reducing Young mortality and the appropriate use of animal traction.

By the beginning of December 2006 we had an almost final draft of the RFP and a plan for its publication. It was however, determined by IIAM that since the summer and Christmas holidays starting 15th December were about to begin that we would not be able start the clock for writing the concept papers until January 2007.

2.2.4 Conduct of Two Zonal-wide Competitions

Although the Task order required ARD to conduct two competitions for full proposals during the life of the Task Order, that is, one in the first project year and a second set of Awards in the second project year, USAID and IIAM were concerned that given the

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impossibility of completing a grant cycle in time for the rainy season of 2006 (October-November) that they would prefer that the first grant cycle be done in time for the cool season crops and animal production, beginning in April 2007, and the second grant cycle would start in time to make the second round of awards before the beginning of the rainy season of 2007. ARD concurred and began working on the grant process and on the RFP.

2.2.5 Competition for Grants for Agrarian Research - ROUND ONE

2.2.5.1 Publication of RFP for ROUND ONE grants

During the Task Order's second quarter in 2007 Compete announced the first Request for Proposals (RFP) on January 5, 2007 mentioning the deadline for submission for February 5, 2007. The public announcement of the RFP that was done by letter (individual letter/email to about 200 specialists in our [mailing list](#)), newspaper advertisements both in [Noticias](#) and in Savana, and on the *COMPETE* page on [IIAM's website](#) (<http://www.iiam.minag.org.mz/compete.html>). All relevant public and private sector stakeholders, including the zonal centers.

The [RFP dossier](#) included a [Cover Letter](#), the [RFP](#) itself, and the [Detailed Research Priorities](#) both in Portuguese and English. The RFP referred to the process of CP solicitation, including the deadlines and contact address, the evaluation criteria, as well as the strategic approach, CP template and illustrative budget template.

By February 5, 2007 we received a total of 43 Concept Papers covering a wide spectrum of agricultural activities and topics. After evaluation by *COMPETE* personnel (Chief of Party – Dr. Marcos Freire and Grants Manager – Dr. Pauline Wynter), 12 concept papers were sent for evaluation by a committee composed of TREC members (mini-TREC).

2.2.5.2 Capacity Building: Writing Concept Papers & Proposals

As a part of the Awards process the ARD team is required to improve the capacity of successful concept note or proposal authors to develop agricultural research and dissemination proposals through proposal writing workshops for successful applicants at zonal research centers and/or development of a manual in Portuguese and English for preparing concept papers and proposals.

Assist applicants in developing complete and responsive proposals, including programmatic and budgetary issues.

Between 17th [January](#) and 23rd [March](#) 2007 a total of 10 training sessions were conducted, involving a total of 118 researchers from several institutions (public, private and NGOs) from 4 provinces (Maputo, Gaza, Manica, and Nampula). A detailed list of locations, dates and institutions involved follows:

1. **Maputo Province:** 17th January – Meeting at Umbelúzi Research Station with **6** IIAM researchers.
2. **Maputo Province:** 18th January – Meeting at DCA with **8** IIAM animal science researchers.
3. **Gaza Province:** 19th January – Meeting at Chókwè (ISP building) with **30** researchers from IIAM and ISPs

4. **Manica Province:** 22nd thru 24th January - Meetings at DPA in Chimoio with 17 researchers from Sussundenga (IIAM) and Chimoio (ISP), and specialists from Africare and ACDI/VOCA.
5. **Maputo Province:** 22nd January – Meeting at DARN with 8 IIAM plant science researchers.
6. **Maputo Province:** 23rd January – Meeting at UEM – F. Veterinary Sciences with 9 animal science researchers.
7. **Maputo Province:** 30th January – Meeting at UEM – F. Agronomy 3 plant science researchers.
8. **Nampula Province:** 24th thru 26th January - Meetings at Nampula Research Station with 17 researchers from Nampula (IIAM) Namialo (IIAM), and CARE.
9. **Maputo Province:** 20th March 2007 - Meeting at DARN (IIAM) with 6 IIAM plant and animal science researchers.
10. **Niassa Province:** 21st thru 23rd March - Meetings with 14 researchers from Lichinga (IIAM), Vachekulo, and Pedagogical University.



Figure 3 - Training for Concept Paper and proposal writing was held in multiple sessions throughout the country.

Images of the training sessions in Lichinga, Maputo and Nampula.

The major objectives of the training process included:

- 1) Present general information regarding the content, framework and requirements of Concept Papers.
- 2) Training on general aspects of applied research, on-farm research and tools for analysis and programming of activities.

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- 3) Meet one-on-one with Concept Paper writers working on re-write (for Round 2).
- 4) Tour the ZC laboratories and field facilities, and any other sites such as markets that the ZC proposes.
- 5) Discuss with the ZC directors issues related to information access

Although we always had room for specific discussion at each site, the basic topics covered included:

- 1) Concept of applied research
- 2) Participatory research, gender
- 3) Multidisciplinarity, strategic partners and mentors
- 4) Steps for gathering information and structuring information for Concept Paper and Proposal writing
- 5) Basic writing tools:
 - a) Input generators.
 - b) Analysis and decision tools.
 - c) Activity programming tools.
- 6) Brainstorming ideas with the research
- 7) On-farm research (OFR) vs. On-Station Research (OSR).
- 8) Treatment of Results
 - a) Adaptability analysis: an example.
- 9) Specific needs and advice for re-submitters (of Round 2).

The full meeting and trips reports are available at:

- For the period from 17th January through 1st February 2007 - [Elaboration of Concept Papers](#).
- For the period from 20th through 24th March 2007 - [Concept Paper and Proposal Writing Training Workshops](#)

After the announcement of the selected Concept Papers, a formal Proposal Writing Workshop was held in Maputo (DARN meeting room) on March 1st, 2007 with the objective of drawing attention to the opportunities that identified in the concept papers in order to sharpen the proposals to be submitted.

A total of **9** researchers attended the workshop, with an additional **3** being trained based on one-on-one sessions. These **12** participants represented all 11 selected Concept Papers.

The following topics were included in the [agenda](#) of the workshop and relevant handouts developed:

1. Applied Research as a problem-solving approach.
2. Literature review. Use of Teal and other sources (supported by DFDTT).
3. A proposal writing planning tools.
4. Problem context.

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5. Defining the technical problem to be researched and using SWOT and Gender Analysis.
6. Problem-solving and continuous evaluation.
7. Methodology particularly on-farm testing and design.
8. Partners and multidisciplinary.
9. Spending your money strategically on your team members.
10. Benchmarks and indicators for Monitoring and Evaluation.

After the training sessions (both for CPs and Proposals) a recommendation of continuous interaction with *COMPETE* personnel was always made. This was specially used for the specific assistance the writers needed in the development of the Logical Framework Model, GANTT chart, and Budget. In this regard, continuous contacts were done by phone, email and direct contact (in our offices) and, we can say that at least **20** researchers in multiple sessions were assisted.

2.2.5.3 Review & Evaluation -- ROUND ONE Proposals

The Compete review and evaluation process for concept papers and proposals is based on a review panel with a regional chairperson, and is fully described in the GMM. The chief of party began identifying potential candidates for the chairperson who was to be an international agronomist of regional standing. The process did not require the regional chairperson to be present for the concept paper evaluation so the recruitment was to select and schedule the chairperson for the TREC proposal evaluation meeting in late April.

On 20th February 2007 a sub-committee of the TREC had the first meeting. The TREC members present at the meeting were:

- Irene De Souza, CTO, USAID
- Mario Ruy Marques, DARN (representing the DG of IIAM)
- Gilead Mlay, Michigan State University.
- Marcos Freire, COP *COMPETE*.
- Pauline Wynter, SGM *COMPETE* (non-voting member)

As a result 11 concept papers were selected ([approval sheet](#)) and further invited to submit full proposals and the deadline for submission set for April 2, 2007. Formal [letters](#) and emails were sent (February 22, 2007) to all proponents mentioning the results and specific comments regarding each one of the CPs. The complete [minutes](#) are available.

Table 2 – List of concept papers asked to develop full proposals

Grant No.	Surname	Name	Research Title	Affiliation
104	Kolijn	Sicco	Cassava Rural Enterprise Development Project	IITA
122	Cugala	Domingos	Controlo biológico da broca maior do grão de milho <i>Prostephanus truncatus</i> (Horn) (Coleoptera: Histeridae) em Mocambique	UEM-FAEF
123	Maciel	Sónia	Community-Based Development Interventions to Increase the Productivity of Goats in the Smallholder Sector of Angonia District	IIAM-DCA
124	Specht	Elisabeth	Estudo do impacto de tripanossomose e dos benefícios económicos do seu controle	IIAM-CZCenter
128	Manhiça	Alberto	Produção do carvão vegetal e extracto pirolenhoso de madeira usando uma tecnologia sustentável e adequada as zonas rurais	IIAM-CZSouth
129	Amane	Manuel	Avaliação e disseminação participativa de variedades de feijão vulgar ricas em Fe e Zn, para o melhoramento da nutrição dos grupos vulneráveis, em Mocambique	IIAM-DARN
130	Dias	Domingos	Avaliação e Promoção de Variedades Melhoradas de Soja nas Comunidades de Manica e Sofala.	IIAM-CZCenter
131	Harun	Mohamed	Investigação participativa dos aspectos agronómicos, sócio-económicos e fisiológicos do uso de vacas das racas Angone (<i>Bos indicus</i>) e Landim (<i>Bos taurus</i>) na traccão animal	UEM-FVet
132	Alves	Teresa	Perceber e utilizar a diversidade das plantas alimentares nativas: o caso da Vangueria infausta - "Maphilwo" na região sul de Mocambique	IIAM-DARN
137	Massinga	Rafael	Maneio Integrado da Striga (<i>Striga hermonthica</i>) e Broca do Milho (<i>Chilo partellus</i>) em zonas de ocorrência simultânea em Mocambique	ISPG
141	Senete	Constantino	Evaluation, Release and Dissemination of Maize Varieties with High Quality Protein (QPM)	IIAM-CZSouth



Figure 4 – Images from the First TREC meeting involving the Compete staff (Marcos Freire and Pauline Wynter), Dr. Calisto Bias, Irene de Souza, Dr. Alsácia Atanásio, and Dr. Fernanda Gomes (substituting Dr. Mlay). A total of 6 proposals were selected in this meeting.

TO COMPETE:
I have no objections regarding the results of concept paper applications. I urge the selected applicants to full develop their proposal. *FB*

Compete
Concept Papers Review and Evaluation – First Round
DARN Conference Room
Tuesday, February 20, 2007

List of selected Candidates

#	Name	Selection confirmed	Selection not confirmed
4	Sicco Kolijn	Yes	
22	Domingos Cugala	Yes	
23	Sonia Maciel	Yes	
24	Elizabeth Specht	Yes	
28	Alberto Manhica	Yes	
29	Manuel Amame	Yes	
30	Domingos J.B Dias	Yes	
31	Mohamed Harun	Yes	
32	Teresa Alves	Yes	
36	Carvalho Ecole		No
37	Rafael Massinga	Yes	
41	Constantino Senete	Yes	

TREC Committee Member Name: *Luís Boas* Signature: *Luís Boas*
 TREC Committee Member Name: **MARCOS FREIRE** Signature: *Marcos Freire*
 TREC Committee Member Name: *Trene R. Sousa* Signature: *Trene R. Sousa*
 TREC Committee Member Name: *Márcio Rui Marques* Signature: *Márcio Rui Marques*

Figure 5 – Final document (approval sheet) regarding the selection of Concept Papers

2.2.5.4 Evaluation and selection of research proposals

1. Compete received 11 proposals on April 2nd 2007, three were in English and eight in Portuguese.
2. Each proposal was to be read by at least 3 readers. Technical evaluations were distributed to 8 readers approved by the DG/IIAM. Some readers had a general knowledge of the agricultural sector and others had specific technical knowledge of the proposal. Readers had 10 days to read and return their assessments. And we received all assessments within the allotted time. Readers were not paid for this service although we believe that this should be addressed in the future. Each reader provided comments for each proposal and these were transcribed and collated for each proposal writing team.
3. At the same time we sent out the technical sections of applications to the selected translating company. These had to be done in time for the chair of the TREC to read and evaluate the proposals before the TREC meeting. We would also need the English translations for USAID's records. Translations were completed by 17th April.

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4. On April 4th we sent a complete set of technical proposals (in the original language) to CTO to get the Environmental Review Process started.
5. The TREC meeting was held on 10th May. The members present were Dr. Albert Chiteka, Africa University, Mutare, Zimbabwe chairing, Dr. Calisto Bias, DG, IIAM, Dr. Alsácia Atanásio, Ministry of Science and Technology, Dra. Fernanda Gomes, ADIPSA, Dra Irene De Souza, project CTO, USAID, Dr. Marcos Freire COP-Compete and Pauline Wynter SGM-Compete. [The TREC Chair Dr. Albert Chiteka arrived in Mozambique on 30th April to 4th May – [Chairman report](#)].
6. The TREC agenda was to review and rank the proposals based on: 1) the Technical reviews from readers, Compete and the TREC chair; and 2) Institutional and Budget Review done by Compete.
7. Six finalists emerged from the review process. Thirty-five researchers are involved in the 6 projects from several different organizations including 3 zonal centers (South, Central and North-West), the four technical departments of IIAM (DCA, DFDTT, DARN, CESE), 2 faculties of UEM (Veterinary Science and Agriculture), the Higher Teaching Institute of Gaza and Africare. The research projects are:

[Domingos Cugala](#), PhD. Agriculture & Forestry Engineering Faculty, UEM. Research Title: Biological control of large maize grain borer *Prostephanus truncatus* (Horn) (Coleoptera: Histeridae) in Mozambique. **Team:** Jose Sancho Cumbi, Celestina Jochua, Serafina Mangana, Elsa Mambo. **Partners:** DARN-IIAM, CZ-S, Chókwè, DNSA, MINAG

[Domingos J. B. Dias](#), M Agr., Centro Zonal Centro - IIAM, Sussendenga. Research Title: Evaluation and promotion of improved varieties of soya in communities of Manica and Sofala. **Research Team:** Manuel Amame, M. Miguel, Carvalho Ecole, João Ferrão, José Chiocho, Manica Adelino Jorge, Arnaldo Sigaúque. **Partners:** DARN, Centro Zonal Centro, DARN, SPER, ISPM, Africare, communities in Manica and Sofala Provinces.

[Mohamed Harun](#), Ph.D. Veterinary Faculty, UEM. Research Title: Participative study of agricultural, socioeconomic and physiological aspects of the use of Angone cows (*Bos indicus*) and Landim cows (*Bos taurus*) in animal traction. **Team:** Rafael José Airone Escrivão, Filomena Rosa dos Anjos, Gracinda André Mataveia, Cesaltina da Conceição Menete Tchamo, Hortêncio Pedro Comissal, André Emanuel Horta Vander Merwe Filipe Bernardino Vilela, Olga Lurdes Jossias Fafetine, Ricardo Marcos de Jesus Maria, Lateiro Salvador de Sousa, Aurélio Salvador Macaringue. **Partners:** CZSul-Chókwè, DCA-IIAM, DARN-IIAM, ISPG, Chókwè.

[Sónia Maciel](#), DVM, M.Sc. DCA-IIAM. Research Title: Community-Based Development Interventions to Increase the Productivity of Goats in the Smallholder Sector of Angónia District". **Research Team:** Elisabeth Specht, Olga Lurdes, Jossias Fafetine, Feliciano Mazuze, Luisa Meque. **Partners:** Centro Zonal Centro, Chimoio, CESE-IIAM.

[Rafael Massinga](#), Ph.D. ISPG-Chokwe. Research Title: Integrated management of (*Striga hermonthica*) and of the maize borer (*Chilo partellus*) in zones where they occur together in Mozambique. **Research Team:** Carvalho Ecole, Pedro Fato, Momade Ibraimo, Fernando Chitio, Florêncio Jonas, Manuel Temo, Leonid Moisés. **Partners:** DARN-IIAM, CZNordeste, Nampula, ISPG, Chókwè.

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[Elisabeth Specht](#), Dipl. Agr-Biol, DVM. **Regional Veterinary Lab, Zonal Center-Central, Chimoio. Research Title:** Study of the impact of Trypanosomosis and the economic benefits of its control. **Research Team:** Feliciano Mazuze, Maria da Luz Quinhentos, Ana Lída Gungulo, Helena Matusse. **Partners:** CESE-IIAM, DFDTT-IIAM, DCA-IIAM, DPA-Manica

2.2.5.5 Grant Administration – Post Proposal Selection for the First Round.

During the second and third quarters (January through June 2007), as part of the Grants Management process developed in the GMM, Compete staff carried out the Pre-Award Survey with senior administrators of IIAM and the Faculty of Agriculture, UEM. This survey was designed to determine the institutions experience with the management of international research funds, and to determine the procedures in place to manage such funds. It was an opportunity to discuss the kinds of issues that are involved in managing a USAID funded project. It was particularly important for Compete to learn that many of the basic financial management procedures had been already established by PROAGRI. So, Compete was building on transparent processes that PROAGRI had already developed. Eventually, the institution of each of Compete's grant coordinators would complete a Compete survey.

Following the selection of finalists four important other steps had to be done:

1. **Cost Price Analysis:** the SGS and the Compete administrator solicited price quotations of all material to be purchased under the project. Then all budgets were reviewed for reasonability. The COP reviewed the Technical proposal and budgets for reasonability of costs in relation to the expected results. Proposal writers were asked to amend their budgets were necessary.
2. **Pre-Award Survey:** The SGS met with administrators of each project coordinator's institution to carry out a pre-award survey designed for Compete to get as clear an understanding as possible of the institution's financial process.
3. **Negotiation Memorandum:** Based on a review of the information in the survey the SGM drew up the Negotiation Memorandum with specific notes and recommendations for *each institution* to address weaknesses or ambiguities in their financial management process. Where the institution had things like regular audits of project funds that would be of interest to Compete a note was made requesting copies of the audits at the appropriate time.
The memorandum was signed off by the project coordinator and his or her institution's chief administrator.
4. **Work Plans:** The SGM also reviewed and commented on all Work Plans (Gantt Charts). This required several iterations of comments and corrections to get them right. Gantts are an unfamiliar planning tool for the researchers but the feedback eventually resulted in clearer work plans.
5. **Award Letters:** In the second quarter while the environmental screening and review was in process, the SGM developed an Award Letter for a standard award based on advances. With the CTO we determined that we would submit one complete Award Letter package for approval as soon as the ESFs and ERRs were approved. All Award Letters were sent to USAID on August 2, 2007 and approved on [August 16, 2007](#).

It was agreed that the researchers should start up their project as soon as they signed off on the Award Letters, that is, they would not wait for the Award Ceremony which would take a couple of weeks to find a suitable slot in everyone's schedule. The Award ceremony was held at IIAM on the 26th September 2007.

6. Purchase of Restricted Goods: We also requested permission to proceed with the process for purchase of restricted goods but the CTO thought it best to wait for the environmental approval.



Figure 6 – Images from the First Compete Awards Ceremony with presence of individualities from MINAG, USAID, IIAM, UEM among others. Apart from the introductory remarks from Dr. Calisto Bias and Irene de Souza, all 6 lead researchers from the selected proposals made a short presentation of their projects.

2.2.5.6 ESF, ERR and Restricted Goods Round ONE

Once the finalists were selected on 10th May 2007 the Environmental Screening Process began.

- Grantees with *COMPETE* support developed the required Environmental Screening Forms (ESFs) and Environmental Review Reports (ERRs) for each proposal.
- Compete Technical Staff attended a briefing on the process led by Dr. Camillien Saint Cyr (Regional Environmental Officer) on 27th April 2007.
- The final forms of the ESFs and ERRs for 5 of the 6 research projects were sent to the USAID Environmental Officer on 15th June 2007.

In the event the approval process for the environmental screening and reports which began on 24th May 2007 were fully approved by 17th July 2007 by MEO in consultation with REO.

2.2.6 Competition for Grants for Agrarian Research - ROUND TWO

In order to ensure that the second round grants would be awarded in time for research to be carried out in the 2007 season (begins October) for rain-fed agriculture, in discussion with IIAM and USAID we determined that the cycle would have to begin by April 2007.

2.2.6.1 Publication of RFP for Round TWO grants

On the 13th of April the second call for Concept Papers was launched. The RFP, unchanged from the first round except for minor formatting, was published on our Webpage and in the weekly journal [Savanna](#) on 13th April and in the daily newspaper [Noticias](#) on 16 April, 2007.

2.2.6.2 Capacity Building: Writing Concept Papers & Proposals

We provided training both at the Zonal Centers and at IIAM throughout the writing period. In addition two researchers who are among the Round ONE finalists trained researchers in Sussundenga. Training sessions were conducted focusing on the following topics:

- Concept Paper writing
- Proposal writing
- Preparation of Environmental Screening Form and Environmental Review Report
- Preparation of Chronograms and budgets

Within the training activities regarding round 2 of competitive grants, a total of **11** training sessions with **111** participants were held. The following is a list of locations, dates, training topics and number of participants conducted during this period ([see trip report](#)):

- A total of 10 sessions involving 83 researchers were conducted throughout the country focusing mostly on concept paper and proposal writing methods and skills:
 - **Nampula Province:** 11-13 April 2007 – Meeting at CZ Nordeste with **15** researchers from IIAM, IITA, Clusa and IKURU.

- **Maputo Province:** 17 April 2007 – Meeting at Chókwe, CZ Sul with **14** plant scientists from IIAM and ISPG.
- **Maputo Province:** 17 April 2007 – Meeting at UEM, Faculty of Agronomy with **11** plant scientists from UEM.
- **Manica Province:** 18 April 2007 – Meeting in Chimoio, CZ Centro with **15** researchers from IIAN-CZC, ACDIVOCA, MINAG-DPADR.
- **Maputo Province:** 13 April 2007 – Meeting at IIAM-DARN with **8** plant science researchers.
- **Maputo Province:** 25 April 2007 – Meeting at CEPAGRI with **5** economists and agricultural researchers.
- **Maputo Province:** 26 April 2007 – Meeting at DCA with **15** animal science researchers.
- A total of **4** sessions involving **28** researchers were conducted in Maputo aimed specifically to proposal writing skills and the requirements regarding environmental evaluation (ESF and ERR):
 - **Maputo Province:** 24 April 2007 – Meeting at IIAM-DARN with **9** economists, and plant and animal science researchers.
 - **Maputo Province:** 26 June 2007 – Meeting at IIAM-DARN with **6** economists, and plant and animal science researchers.
 - **Maputo Province:** 29 June 2007 – Meeting at IIAM-DARN with **8** economists, and plant and animal science researchers.
 - **Maputo Province:** 20 July 2007 – Meeting at IIAM-DARN with **5** economists, and plant and animal science researchers.

2.2.6.3 Review & Evaluation: Concept Papers – Round TWO

We received 35 Concept Papers on 16th May. Compete's staff read and shortlisted 13 CPs. A sub-committee of the TREC met on 20th June to review and select the CP writers who should be asked to submit proposals. All [thirteen Concept Papers were selected](#) to be invited to prepare proposals including two pairs of concept papers (on potatoes and on chickens) whose writers were each asked to join forces and merge their proposals since they were essentially addressing the same issues. The selected concept papers and researchers are listed in Table 3.

Table 3 - Round TWO Concept Papers selected by the TREC (original language)

Grant No.	Surname	Name	Title of research	Affiliation
204	Kolijn	Sicco	A project proposal for developing commercial cassava agro-processing enterprises in Mozambique	IITA
205	Faftine	Olga L.J.	Ensaio de um modelo de produção leiteira que combina o uso de sub-productos agro-industriais e vacas cruzadas para a inserção de pequeno criador no mercado de leite	DCA
211	Ecole	Carvalho C.	Controlo da virose do tomateiro, uma oportunidade para o relançamento da horticultura Moçambicana	IIAM
212	Kelly	Brendan	Examination and improvement of the quantity and quality of fresh coconut and copra marketed by communities in Inhambane	CEPAGRI
213	Gonçalves	Sandra M de J Antão	Aumento do rendimento do sistema de produção familiar através da adopção de práticas de manejo melhorado de galinhas e uso de forrageiras na sua alimentação	DCA
217	Santos	Luisa	Tecnologias alternativas de sistemas de cultivo e manejo integrado de pragas para aumento da produção de algodão e da renda das famílias rurais	UEM
218	Massinga	Rafael	Diagnóstico e disseminação de tecnologias agrárias no Distrito de Chókwè – um sistema de prestação de serviços solicitados pelos produtores agrícolas dirigido à solução dos seus problemas de produção	ISPG
219	Alage	Albertina	Avaliação efeito combinado da rede de extensão e das rádios comunitárias na difusão e adopção de tecnologias	DNEA
224	Chitio	Fernando M.	Sesame on-farm-trials, seed multiplication and dissemination	CZNortheast
226	Massango	Zacarias M.	Avaliação da contribuição da galinha na renda familiar da população de Magude, através da produção de ovos, usando folhas de Moringa para a redução dos custos das dietas	IIAM
227	Chitio	Fernando M.	Sorghum and cowpea on-farm-trials, seed multiplication and dissemination	CZNortheast
228	Manhica	Alberto	Produção de carvão vegetal e extracto pirolenhoso de madeira usando tecnologia sustentável e adequada às zonas rurais	CZSouth
230	Alves	Tereza	Perceber e utilizar a diversidade das plantas alimentares nativas: o caso da Vengueria infausta - Maphilwo – na região Sul de Moçambique	IIAM
234	Martinho	Carolino A.	Avaliação e promoção de novas variedades de batata reno	CZN Northwest
235	Martinho	Carolino A.	Regeneração de variedades locais de batata reno	CZNorthwest

2.2.6.4 Evaluation & Selection Proposals – Round TWO

In the third quarter on Friday, 24 August 2007 the TREC to consider the evaluations of ROUND TWO proposals provided the technical readers. The TREC determined that [four proposals could be funded](#). Two of the four were approved pending amendments to specific methodological issues that the TREC identified.

The finalists were notified on 27th August 2007. Proposal writers who were not selected were sent comments made by each Proposal Reader and/or TREC member.

The value of Round Two grants is \$640,000.00

The final teams, partners and proposals titles of Round Two are:

Fernando Chitio, M.Sc., Centro Zonal Nordeste, IIAM, Nampula. Research Title: Sesame On-farm trials, Seed Multiplication and Dissemination. **Team:** Momade Ibraimo, Joaquim Mutaliano, Henriques Coleal, Venancio Salegua, Talibo Perar, Armando Geremias, Anacreto Mart, Magalhaes Miguel. **Research Partners:** CLUSA, IKURU and CARE.

Alberto Manhiça, Lic., Centro Zonal Sul – IIAM. Research Title: Production of charcoal and pyroligneous extract using sustainable and appropriate technologies for rural areas. **Team:** Teresa Alves, Lidia Brito, Mario Falcao, Carlos Lucas, Victor Skripets, Hortencio Comissal, Agnelo Fernandes, Ricardo Maria, Horacia Mula, Reinaldo Luis. **Research Partners:** *Faculdade de Ciencias, UEM, DARN-IIAM.*

Zacarias Massango, Lic. & Sandra Goncalves, Msc., Direcção de Ciências Animais – IIAM. Research Title: Evaluation of the contribution of chickens in household income in Magude through the production of eggs using moringa (*Moringa oleifera*) leaves to reduce the cost of feed. **Team:** Abel Chilundo, Alice Garces, Filomena Anjos, Cecilia Rute, Manuel Reis, Simone Magalo, Gabriel Chambo, Fidelio Rosse, Andre Horta. **Research Partners:** *Magude District Service for Economic Activities.*

Luisa Santos, Ph.D., Faculdade de Agronomia, UEM. Research Title: Alternative technologies for the cultivation and integrated pest management to increase the production of cotton and household income of rural families. **Team:** Amélia Sidumo, Destino Chiar, Domingos Cugala, Emílio Tostão, Nícia Giva, Carvalho Ecole, António Chamuene, Carlos Miguel. **Research Partners:** *DARN-IIAM, CZ-Nordeste, Namialo, Dunavant.*

2.2.6.5 Grant Administration – Post Proposal Selection for ROUND TWO.

The SGM reviewed chronograms in detail and provided written feedback to each candidate. A goods and services price list was developed for all projects. Budgets were reviewed for reasonable costs. Written feedback on the budgets was sent to each candidate.

2.2.6.6 ESF, ERR and Restricted Goods Round TWO

Based on the experience from the first grant cycle and in order to speed-up the process, all researchers asked to develop full proposals were also asked to present their first draft of the ESF and ERR, which most of them did. During the fourth quarter (July-September 2007) ESFs and ERRs from all 4 selected proposals were reviewed and adjustments requested from the researchers and the general approval process is still rolling.

2.2.7 Analysis of Agrarian Researchers, Institutions and CZ Paper and Proposals Topics of the first and second Grant Cycle

The first grant cycle was initiated in January 2007 and resulted in 43 concept papers of which 11 were selected by TREC to submit full proposals, while the second cycle begun in April 2007 and resulted in 36 proposals of which 13 were asked to submitted a combined total of 11 full proposals. As a result Compete received a total of 78 concept papers of which 23 were selected to develop full proposals resulting in a final tally of 10 research proposals approved for funding.

The following is a graphic presentation that the concept papers as a whole revealed about agriculture research community in Mozambique.

Twenty-five (32%) of the 78 concept papers submitted were developed by women, out of which 24, including 8 (33 %) lead by women, were invited to develop full proposals (see Table 4 and Figure 7 below). This process resulted in the selection of 10 proposals for funding, including 3 developed by women, indicating a general selection rate of 1 proposal selected out of 8 concept papers submitted.

Address: IIAM; Av das FPLM 2698; Maputo; Mozambique; Ph/Fax: 258-21460255; Email: compete@tdm.co.mz

Table 4 – Progression of numbers of concept papers through selected proposals for Rounds 1 and 2.

	Concept papers				Full proposals	
	Rejected	Resubmittable	Recommended	Total	Submitted	Selected
Round 1						
Male	7	15	8	30	8	4
Female	3	7	3	13	3	2
Total	10	22	11	43	11	6
Round 2						
Male	6	9	8	23	5	3
Female	1	6	5	12	4	1
Total	7	15	13	35	9	4

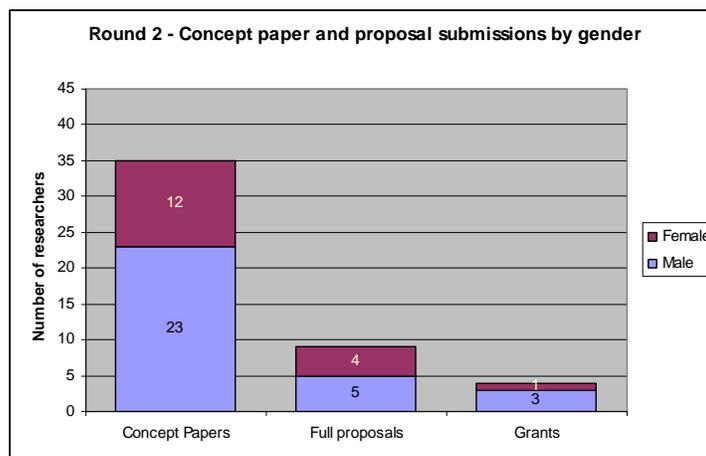
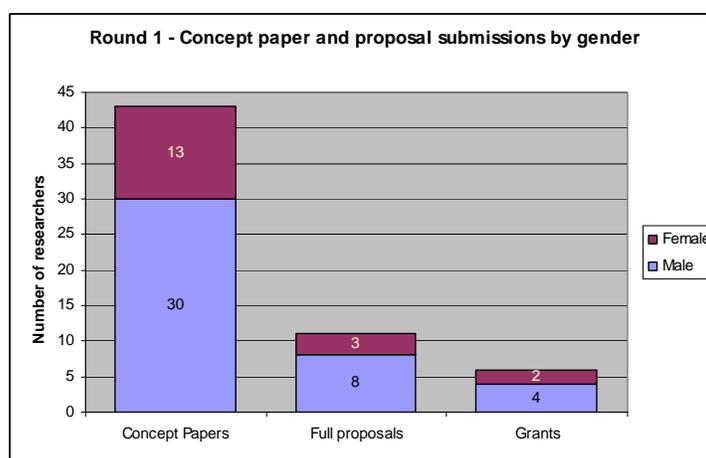


Figure 7 – Progression of numbers of concept papers through selected proposals for Rounds 1 and 2 presented by gender

In total 75 (26 women) lead researchers were involved in the development of Concept Papers which involved a grand total of 231 (68 women) researchers. Of these, 37 researchers included the 10 selected proposals of which 15 women (45%) (Table 5 and Figure 8).

Although Compete received a lower number of proposals for round 2 (25% less), proportionally more concept papers were submitted by women (40% in round 2 compared to 30% in round 1).

Another interesting figure relates to the relative proportion of women as lead researcher or as part of the research team. The percentage of women both as team leader or part of the team ranged between 30% and 40% for the concept papers and from 30% to 45% for the submitted full proposals with no special pattern. This proportion had a twist when we looked at the selected proposals when we had a larger proportion of women as part of the research team rather than as team leader (69% and 33% in round 1 and 31% and 25% in round 2 respectively as team member of team leader). In this case the only possible reason for this change is that there are more women in animal science proposals than in plant science, and we had more plant science related proposals selected in round 2 than in round 1 (Table 5 and Figure 8).

Table 5 – Total number of researchers involved in the concept papers and full proposals throughout the competitive selection process by gender – Rounds 1 and 2

	Concept papers (Number of Researchers)			Full proposals (Number of Researchers)			Selected proposals (Number of Researchers)		
	Principal	Team	Total	Principal	Team	Total	Principal	Team	Total
Round 1									
Male	30	64	77	8	16	23	4	4	8
Female	13	39	34	3	12	12	2	9	9
Total	43	103	111	11	28	35	6	13	17
Round 2									
Male	19	72	86	5	19	24	3	11	14
Female	13	38	34	4	13	16	1	5	6
Total	32	110	120	9	32	40	4	16	20

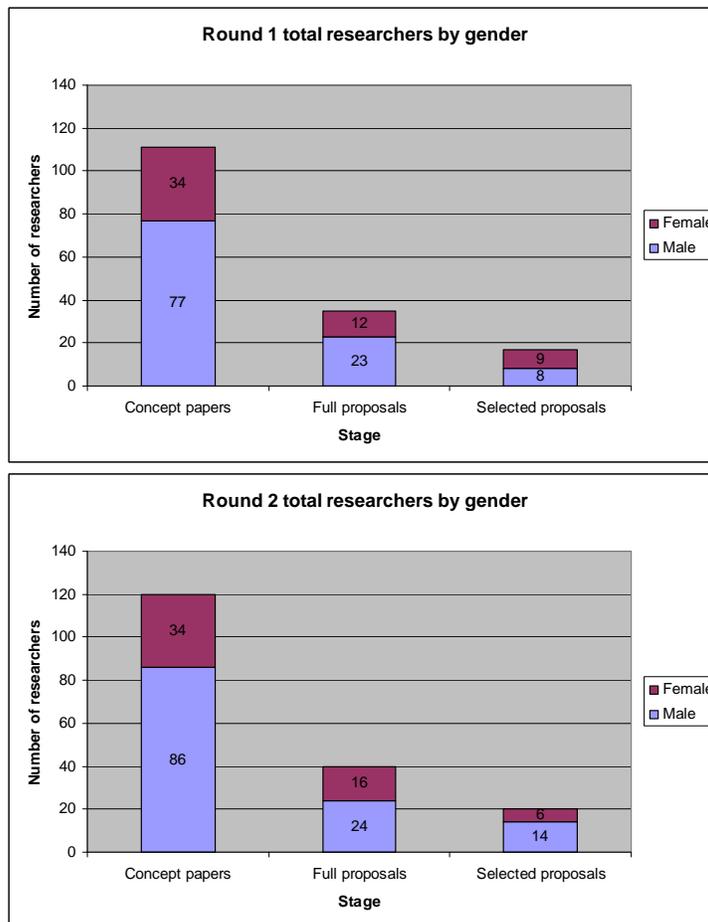


Figure 8 - Total number of researchers involved in the concept papers and full proposals throughout the competitive selection process by gender – Rounds 1 and 2

The 78 proposals reflected the broad range of areas in which Mozambican agrarian researchers are involved. Table 6 groups the concept papers into 20 topics, whereas Table 7 groups them into 6 major areas. Cereals and Legumes were in the top 3 most submitted topics as expected in round 1 and top 4 in round 2. However, given that cassava is the number one carbohydrate in Northern Mozambique and the first priority for food security on the IIAM strategic priority list it is somewhat surprising to find roots and tubers (cassava/manioc, sweet potatoes and Irish potatoes) in ranking 4th in round 1. This situation was somewhat compensated in the second round, mostly through the submission of 2 Irish potato proposals rather than cassava (Tables 6 and 7 and Figures 9 and 10).

Animal production a second-tier priority made a strong showing. The presence of so many proposals in this area is perhaps a function not only of strong capacity in the country of animal scientists (long-standing Faculty of Veterinary Science at Eduardo Mondlane University) but also a generalized feeling that in specific provinces such as Maputo and Gaza cattle production makes the best use of the low rainfall grasslands; that

in provinces such as Tete goat production is an important income generator for small scale family agriculture and finally all over Mozambique chickens represent both a protein source as well as the only source of quick cash. On the other hand, it seems that the concentration of animal scientist in fewer locations than plant scientists lead to higher levels of interaction between specialists resulting in high number of well discussed and well structured proposals, as evidenced by the high proportion of selected animal related projects.

A very interesting result was the strong showing of Natural Resources Management issues in terms of indigenous fruit, agro-forestry, natural resources and medicinal plants which were either the main focus or a part of some broader concept. Together they were included in 12 concept papers in the first round and 7 in the second round in a total of 19 concept papers (Table 6, Figure 9) (Please note that on Table 7 and Figure 10 proposals dealing with indigenous fruits were grouped into fruits rather than NRM). Six (3 in each round) of the papers with NRM were invited to produce full proposals. It is important to see that although the Priority setting document strongly favored crop production, researchers were able to show the links between wild resources and poverty alleviation. Some of these papers, particularly the medicinal plant research, were truly outside Compete's mandate but we think the result shows that NRM workers need simply to establish how their work address the key impact Compete is looking for: poverty alleviation, income generation and food security.

Table 6 – Themes and commodities included in the concept papers and proposals for rounds 1 and 2 of Compete Grants

	Round 1			Round 2		
	Concept papers	Full Proposals	Selected	Concept papers	Full Proposals	Selected
Animals	11	3	3	8	2	1
Animal diseases	1	1	1			
Cereals	12	3	2	4		
Legumes	11	2	1	3		
Roots & tubers	7	1		4		
Vegetables	4			3		
Oil crops	2			2	2	2
IP&DM	3	2	2			
Seeds	1			1	1	1
Biotechnology	1					
Indigenous fruits	6	1		3	1	
Fruit crops	3			4	2	
Medicinal plants	2					
Agro-forestry	1			1		
Cropping systems	4			2		
Agricultural technologies				3	2	
Agricultural extension				1	1	
Natural resources	3	2		3	2	2
	72	15	9	42	13	6

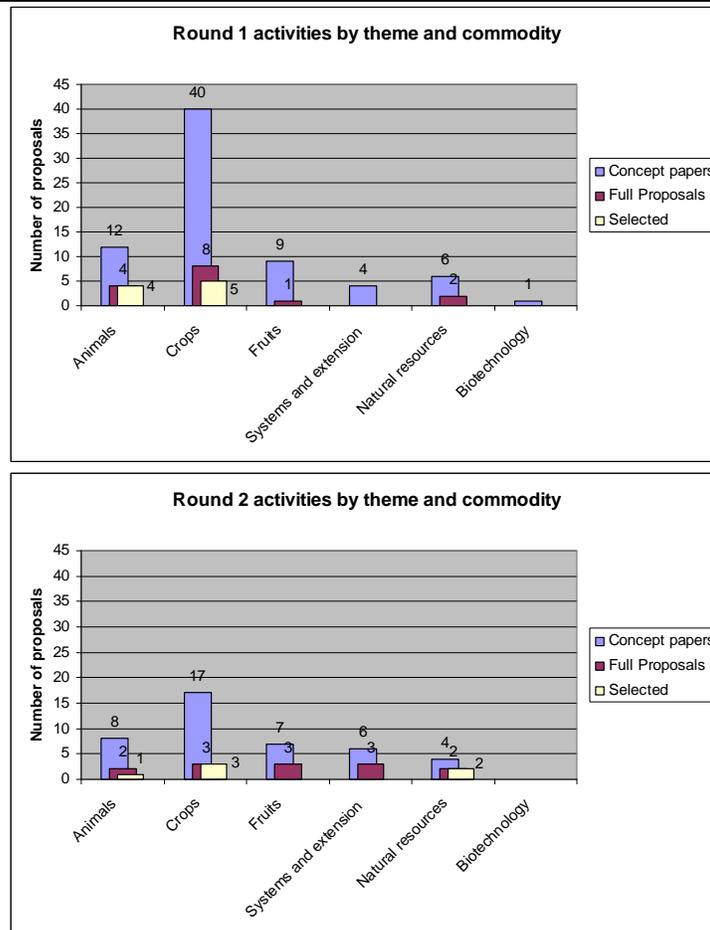
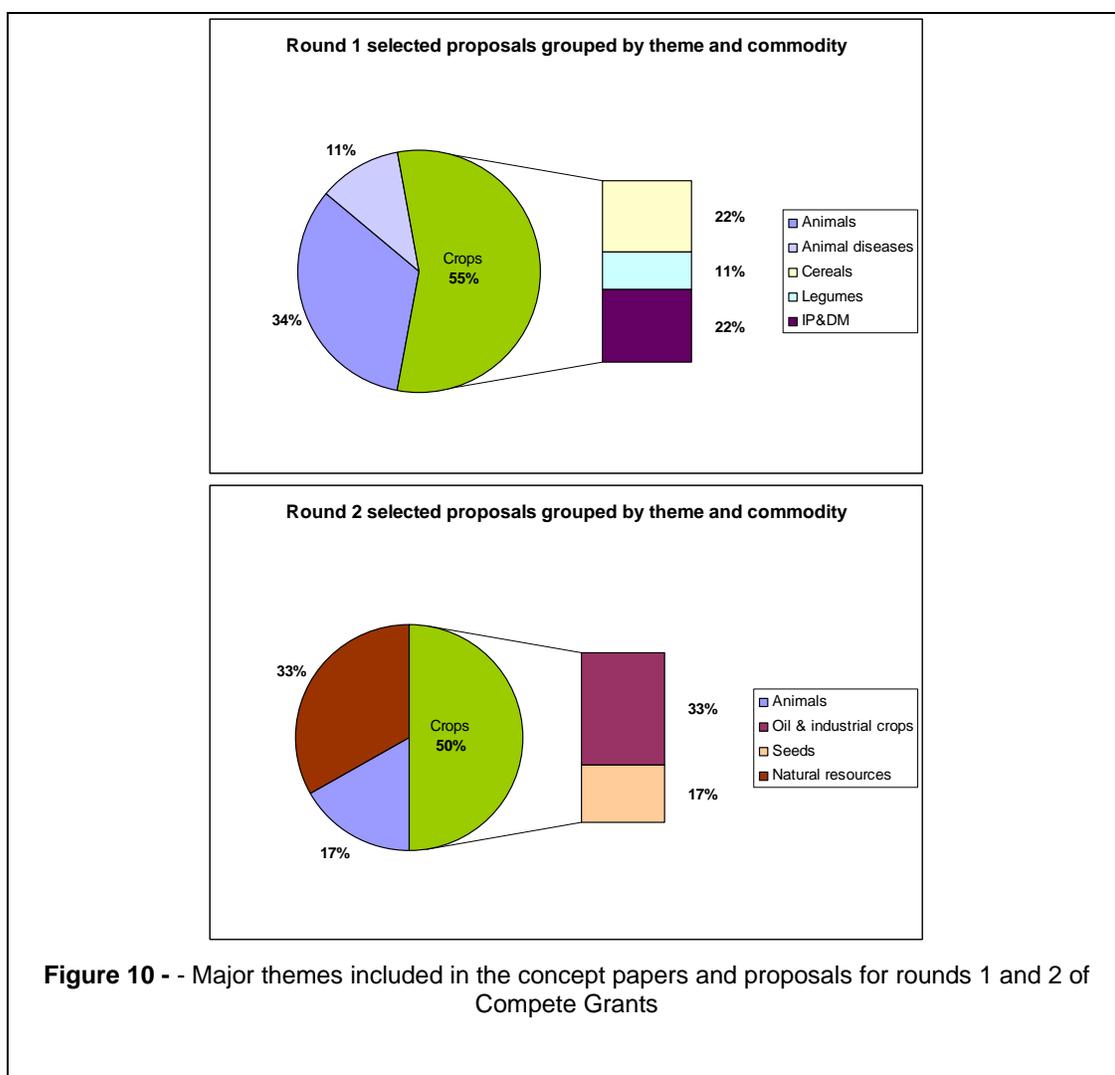


Figure 9 – Major themes and commodities included in the concept papers and proposals for rounds 1 and 2 of Compete Grants

Reflecting the established research priorities 55% of the selected proposals from round 1 dealt with crops while the remaining 45% were related to animals. Although the percentage of crops related selected proposals remained similar in round 2 (50%), only 17% related to animals with the remaining 34% attributed to NRM (Table 7, Figure 10).

Table 7 – Major themes included in the concept papers and proposals for rounds 1 and 2 of Compete Grants

	Round 1			Round 2		
	Concept papers	Full Proposals	Selected	Concept papers	Full Proposals	Selected
Animals	12	4	4	8	2	1
Crops	40	8	5	17	3	3
Fruits	9	1	0	7	3	0
Systems and extension	4	0	0	6	3	0
Natural resources	6	2	0	4	2	2
Biotechnology	1	0	0	0	0	0
	72	15	9	42	13	6



Budget Analysis

The only indication given by Compete as to budget was an upper limit of US \$300,000. The graph below has the budgets of the selected group superimposed on the budgets of all the 78 Concept papers.

In Round 1, it was very distinctive the large group with budgets above \$250,000. Budgets were not used to rank the concept papers but as it turned out none of this high budget group scored well technically. Equally interesting were the group under \$125,000. These were usually tight, highly focused proposals.

From the first round it was evident that many proposals were trying to reach the higher end of the allowable limit (\$300,000) rather than presenting a well grounded budget. However, with the training imparted specifically for the teams developing full proposals, the proposed budgets tended to reduce and be more realistic (Table 8 and 9, Figure 11).

For the second round, the general picture regarding proposed budgets became quite different. From the beginning (concept paper stage) budgets were quite realistic. However, budgets still reduced in size as the proposals progressed from Concept Paper to Full proposal. The Compete team feels strongly that this is the result of training and interaction with researchers.

Table 8 – Proposed budgets of concept papers and full proposals by gender – Rounds 1 and 2

	Concept papers				Full proposals			
	Rejected	Average Budget Resubmittable	Recommended	Total (all budgets)	Average Submitted	Total Submitted	Average Selected	Total Selected
Round 1								
Male	\$186,969	\$208,850	\$170,095	\$5,802,283	\$169,293	\$1,354,343	\$138,013	\$552,052
Female	\$300,382	\$147,265	\$136,667	\$2,342,003	\$140,869	\$422,608	\$113,804	\$227,608
Total	\$487,351	\$356,115	\$306,761	\$8,144,286	\$310,162	\$1,776,951	\$310,162	\$779,660
Round 2								
Male	\$135,631	\$194,351	\$154,557	\$3,605,041	\$166,004	\$830,022	\$146,360	\$439,080
Female	\$300,000	\$197,380	\$192,404	\$2,643,681	\$201,514	\$806,057	\$193,796	\$193,796
Total	\$435,631	\$391,731	\$346,961	\$6,248,722	\$367,519	\$1,636,079	\$340,156	\$632,876

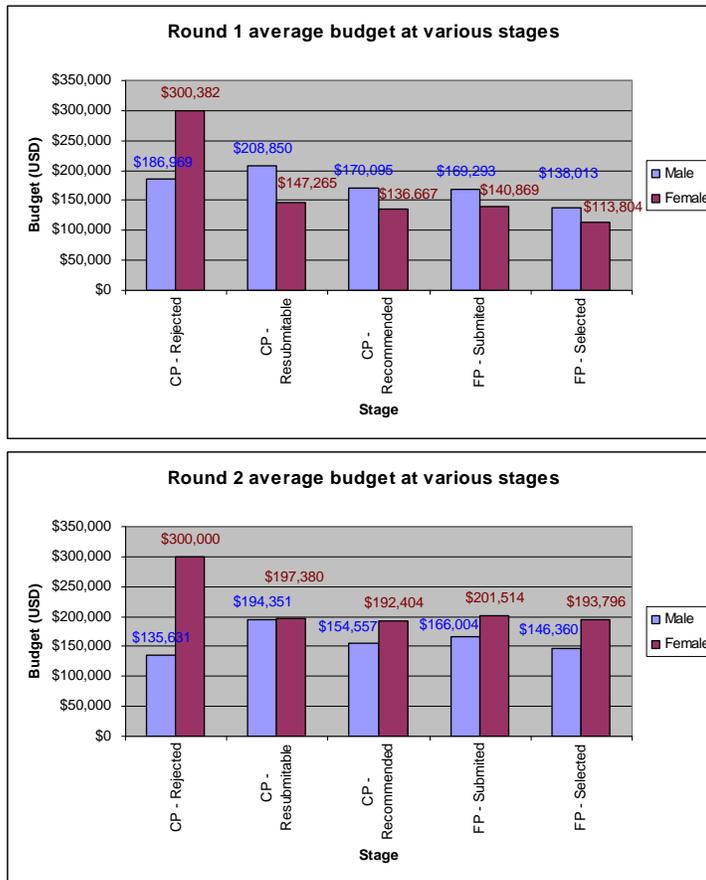


Figure 11 - Proposed budgets of concept papers and full proposals by gender – Rounds 1 and 2

Table 9 – Frequency distribution of the proposed budgets at all stages for rounds 1 and 2

a) Round 1

Limits	Concept papers		Full proposals		Selected proposals	
	Cumulative	Absolute	Cumulative	Absolute	Cumulative	Absolute
\$50,000	2	2	1	1	0	0
\$100,000	5	3	1	0	1	1
\$150,000	14	9	5	4	4	3
\$200,000	24	10	8	3	5	1
\$250,000	31	7	11	3	6	1
\$300,000	41	10	11	0	6	0
\$350,000	42	1	11	0	6	0
\$400,000	43	1	11	0	6	0
Total		43		11		6

b) Round 2

Limits	Concept papers		Full proposals		Selected proposals	
	Cumulative	Absolute	Cumulative	Absolute	Cumulative	Absolute
\$50,000	1	1	0	0	0	0
\$100,000	7	6	1	1	1	1
\$150,000	15	8	1	0	1	0
\$200,000	22	7	6	5	4	3
\$250,000	25	3	9	3	4	0
\$300,000	34	9	9	0	4	0
\$350,000	35	1	9	0	4	0
\$400,000	35	0	9	0	4	0
Total		35		9		4

Institutional Diversity, Partners, Mentors

An important goal of Compete is to reach private sector, NGO and government agrarian researchers throughout the country. In general at least 50% of the concept papers (49 out of 78) and proposals selected (6 out of 10) were submitted by an entity within IIAM (Table 10, Figure 12). The other 2 major players were UEM (Faculties of Agronomy and Veterinary) and the Polytechnic Institutes (Gaza and Manica) with a total of 8 and 5 CPs and 3 and 1 selected proposals respectively.

Within IIAM we had a larger number of concept papers and selected proposals from the Zonal Centers (29 CPs and 4 selected proposals) than from the Technical Directorates (20 CPs and 2 selected proposals), which is also a reflection of IIAM priorities and the intensity of the training delivered to the Zonal Centers (Table 11, Figure 12).

However, it is important to refer that in all selected proposals the teams are very diverse, including agronomists, veterinarians, and agro-economists among others, coming from various institutions public and private, and from different Zonal Centers and Technical Directorates.

The concept paper writers in responding to the IIAM strategy for partnerships with the diversity of NGOs and private sector involvement in agriculture in Mozambique strategic requirement for partners drew developed partnerships to write and research the concepts presented. Such partnerships included district agricultural extension agents, NGOs such as World Vision International, Africare, Care and Technoserve.

Several researchers also proposed mentoring relationships with international organization including ICIPE, ICRAF and ILRI.

Table 10 – Institutions and groups of similar institutions heading (lead researcher) the concept paper and proposals in rounds 1 and 2

	Round 1			Round 2		
	Concept papers	Full Proposals	Selected	Concept papers	Full Proposals	Selected
IIAM	28	7	3	21	5	3
UEM	5	2	2	3	1	1
ISP	4	1	1	1	1	0
Higher education (others)	0	0	0	3	0	0
GOM institutions	0	0	0	3	2	0
IITA	1	1	0	2	0	0
Others	5	0	0	2	0	0
Total	43	11	6	35	9	4

Table 11 – Institution and their departments heading (lead researcher) the concept paper and proposals in rounds 1 and 2

	Round 1			Round 2		
	Concept papers	Full Proposals	Selected	Concept papers	Full Proposals	Selected
DARN	6	3	0	4	2	1
DCA	3	1	1	5	1	0
DFDTT	1	0	0	1	0	0
CZSul	5	1	0	4	1	1
CZCentro	2	2	2	0	0	0
CZNordeste	9	0	0	4	1	1
CZNoroeste	2	0	0	3	0	0
F.Agronomia	3	1	1	2	1	1
F. Veterinária	2	1	1	1	0	0
ISPG	2	1	1	1	1	0
ISPM	2	0	0	0	0	0
UP	0	0	0	2	0	0
UCM	0	0	0	1	0	0
DNEA	0	0	0	1	1	0
DNFT	0	0	0	1	0	0
CEPAGRI	0	0	0	1	1	0
IITA	1	1	0	2	0	0
IKURU	1	0	0	0	0	0
Vachekulo	1	0	0	1	0	0
Africabio	1	0	0	0	0	0
Produsola	1	0	0	0	0	0
Vetaid	1	0	0	0	0	0
AGEMA	0	0	0	1	0	0
	43	11	6	35	9	4

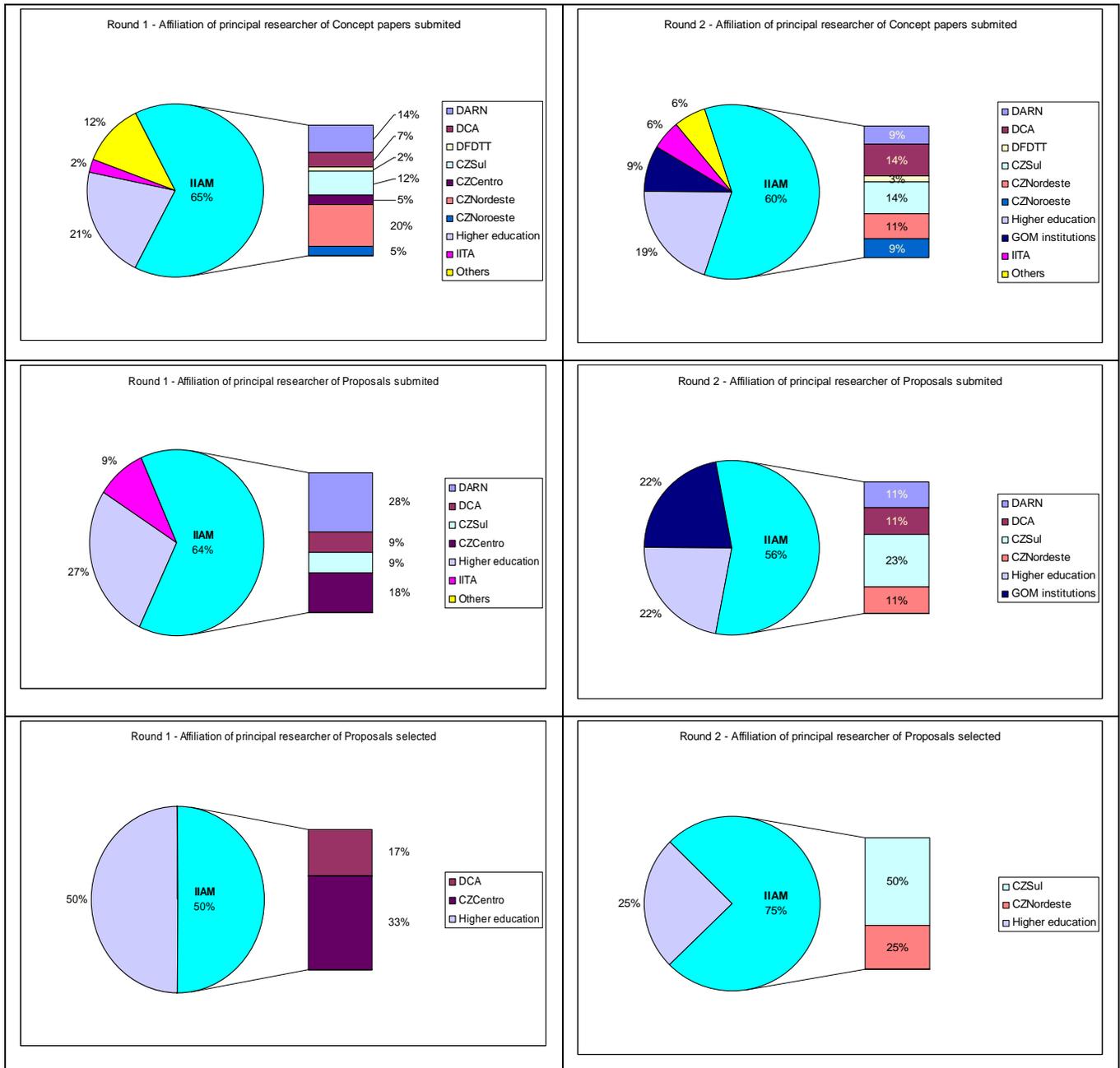


Figure 12 - Institution and their departments heading (lead researcher) the concept paper and proposals in rounds 1 and 2

Summarizing rounds 1 and 2 in relation to the affiliation of the principal researcher, we can say that 60% of the selected proposals were submitted by IIAM researchers and the remaining 40% by researchers from public higher education institutions namely the Faculty of Agronomy and Forestry Engineering and the Faculty of Veterinary Sciences from University Eduardo Mondlane, and the Gaza Polytechnic Institute (Figure 13).

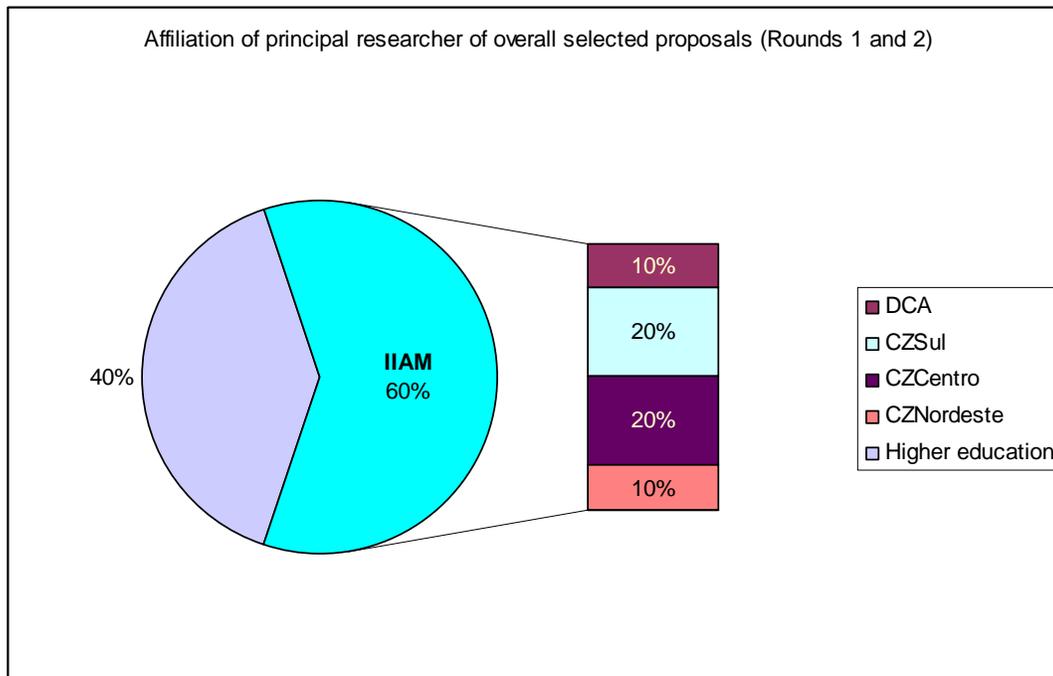


Figure 13 – Overall affiliation of principal researcher of selected proposals

Geographical distribution of research activities

Although Nampula, Zambézia and Gaza were the top 3 provinces for research activities in the CPs of round 1 with more than 11 CPs mentioning them as a working place, in round 2 the place was occupied by Nampula and Maputo.

A second group selected as a working place by 5 to 8 CPs included Maputo, Manica, Tete and Niassa in round 1, and Gaza, Tete, Zambézia, Niassa and Manica in round 2. We must emphasize that Inhambane, Sofala and Cabo Delgado were systematically relegated to last place probably indicating the existence of poorer research facilities and the continuous presence of fewer researchers.

When it comes to the selected proposals, Tete, Maputo, Zambézia and Nampula are the provinces more frequently selected as working place (3 to 5 projects in each province), while at the other end Inhambane and Cabo Delgado were not selected as research sites (Table 12).

Table 12 – Provinces where activities are anticipated in the concept papers and proposals of rounds 1 and 2

	Round 1			Round 2		
	Concept papers	Full Proposals	Selected	Concept papers	Full Proposals	Selected
Maputo	8	4	2	17	5	2
Gaza	10	1	1	8	3	1
Inhambane	1	0	0	4	1	0
Sofala	1	1	1	3	1	1
Manica	7	2	2	5	1	0
Tete	7	5	4	7	1	1
Zambézia	11	4	2	7	2	2
Nampula	14	3	2	11	2	1
Cabo Delgado	3	0	0	1	0	0
Niassa	8	3	2	6	1	0
Total	70	23	16	69	17	8

Description of most common problems of Concept papers and Proposals

The most common problems identified during the review and evaluation process were as follows:

1. **The Research Question:** Although most concept papers were good on describing the context in which their research issue was located many failed to lead from that description to a formulation of a researchable question or hypothesis.
 - a. For example a researcher might establish in the concept papers that poor farmers need seed and seeds have been developed. At this point one possibility is that an individual could start selling or distributing improved seeds. But the fact is that neither distribution nor sale would be considered research!
 - b. A researcher might however have questions about when and/or where suitable conditions for the use of these seeds exist and which type of farmer will use them most productively. These questions as well as others could form the basis of a research program. Most concept papers were weak on stating what they did not know and therefore what they needed to research.
2. **On farm Trials** like all other research methodologies on-farm trials need to be described in function of the questions they are designed to answer. Such a discussion would mention:
 - a. Types of variables to be built into their design such as soil types, spatial and social characteristics,
 - b. Types of implementation and data collection protocols to be developed in the full proposal; and
 - c. Types of data analysis proposed

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- d. Deficient or absent description of the OFR methodologies as they relate to the questions to respond to.
3. Research leading to dissemination might consider **integrating dissemination alternatives** into their research.
4. Inadequate attention given to the **economics of the chosen technology**, either in terms of money or otherwise (like labor, land, etc.) Papers would be improved looking at this aspect:
 - a. Most research proposals will benefit from **cost benefit analysis** of the technology for eventually recommended for dissemination.
 - b. Socio-economic aspects (including gender) and income/profitability usually not addressed during the process of identification of problems and solutions.
5. **Partners, Mentors and Multi-disciplinarity:** Most of the proposed research is multidisciplinary in scope. Researchers need to think more strategically about the use of their partners and mentors in terms of the multidisciplinary aspects of their research. The partner should not be a duplication of a skill already available in the principal researcher or in other team members from the same institution. Researchers should be looking for skills that they do not already have. For example, an agronomist may need a partner to design, implement and analyze soil fertility aspects of his or her project. Or a livestock researcher may need a socio-economist to refine the thinking on socioeconomic and gender impacts. The proposals must be very clear about the skills required from partners.
6. **Gender:** It was evident that gender analysis was not a strong part of the researchers' background and that the involvement of socio-economists is often required to help with this issue.
7. **Literature Review:** All concept papers need to be situating their research questions within the existing knowledge of the issue. In general proposals require enough of a review to demonstrate the present thinking on the subject by the national and/or international researchers.

2.3 TASK 3: IMPLEMENTATION AND MONITORING OF AWARDS

All grantees are required in their Awards Letters to submit an M&E plan within 6 weeks of the start-up of their research. As a result of unexpected delays (mostly related to the time required to the approval of environmental evaluation and the institutional (grantees) delays in opening bank accounts and setting-up of the initial structure, most projects just started their activities by the end of year 1. This means that the first M&E plans are due at the beginning of the second year of the task order. Immediately followed by the beginning of the M&E activities including field visits, direct support to grant management (including accounting), and identification of potential problems and topics for further training.

2.4 TASK 4: ENHANCING NATIONAL CAPACITY

2.4.1 Capacity Building Needs in IIAM

Concept Paper and Proposal Writing Training

Interested researchers have been involved in training sessions that Compete has organized as described above in the sections on Rounds ONE and TWO. In total we had:

- Training for concept paper preparation – **14** sessions involving **164** researchers from IIAM, Zonal Centers, Technical Directorates, NGOs, CGIARs, Private enterprises, Universities (public and private).
- Training in proposal writing and environmental report preparation – **8** sessions involving **77** researchers from various institutions public and private, including the Zonal Centers. In this case, it should be mentioned that we also had one-on-one sessions with at least **20** additional researchers.
- Included in the mentioned **22** formal training sessions, we had a total of **8** sessions outside Maputo involving **59** researchers IIAM researchers from the Zonal Centers.

Compete training for proposal and concept paper writing as well as the preparation of environmental reports (ESF and ERR) in the first year was focused on helping researchers to improve their capacity to:

- Write sharp, creative, scientifically-sound concept papers and proposals focused on resolving urgent socioeconomic and market-determined problems that address food security;
- Develop skills at distilling ideas and writing more succinctly as required for the concept paper;
- Understand and use the synergy of multidisciplinary approaches to research;
- Understand leverage and use it creatively for efficient implementation, and for covering costs;
- Run well-managed research teams, implementing grants efficiently, creatively and on time;
- Understand the need for clear benchmarks and indicators and monitor their projects rigorously;
- Develop strong farmer-researcher links through greater involvement of the Zonal centers in adaptive research and multi-institution partnerships;
- Work seamlessly with Zonal Center station staff and workers;
- Integrate mentoring in their research projects and for seeking out junior researchers to work on their projects; and
- Network locally, regionally and overseas.

The training goals in the second year will be more targeted to:

- Efficiently produce clear, thorough, M&E reports on all pertinent aspects of their projects including environmental mitigation;

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- Publish not only in scientific journals but also in the popular media and on the IIAM website to reach IIAM's different target audiences (researcher colleagues, extension personnel and farmers);
- Produce distinctive, dissemination materials targeted at the chosen IIAM audience;

In total, during the first year we

Results related to Proposal Quality: The measure of that training is the ability to write winning proposals (not just for Compete), to manage relative complex research programs and teams, ensure sound financial management and produce projected results. The TREC has observed a marked improvement in the quality of concept papers and proposals between round one to round two.

2.4.2 Establish a website for disseminating project information

The ARD **COMPETE** scope of work for the [IIAM website](#) requires working with IIAM, to:

- Assist in the development of a multilingual website with full graphic and text-only options designed to serve rural areas without broadband access.
- Publish the **COMPETE** RFP on the website
- Ensure that the bilingual Compete page is up-to-date;
- Provide information and access to literature resources in collaboration with efforts of other donors and programs, research highlights, best practices and success stories; will have links to websites of regional networks (e.g., FANR, SARPN, ASARECA, RAIN, AGPS/PGR, FANR/PAN, SWMNET, etc.) of which Mozambique is a member or where research and other information is directly relevant to conditions in Mozambique.

The amount indicated for the Website in the ARD budget is \$2000.

2.4.2.1 Issues to be addressed in compliance with the Task Order

In order to address each of the sub-tasks listed above it was determined in consultation with the IIAM Website managers (Américo Humulane and Marta Celeste) that the main issues include the following:

- Transitioning from the MSU website to Maputo-based website;
- Provide training to IIAM staff in the areas on Website management and design.
- Work on the design of the website with MSU and IIAM.
- Select a Mozambican host for the website and ensure that its cost is in the 2007-2008 budget of IIAM.

As a part of this process the TO team would:

- Consider an ISP for IIAM with its own email addresses for staff.
- Check out the possibility of having a dedicated server for IIAM.

MSU, ARD and IIAM have worked together to ensure that as we develop the website it:

- Reflects the research objectives of IIAM, its partners and its end-users;

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- Will be sustainable by IIAM staff;
- Will fit reasonably into IIAM's budget.

2.4.2.2 Review of IIAM's Website, main issues and the way forward

1. In the first quarter (September-December 2006) the team reviewed the existing website and the conditions for its growth and maintenance:

- IIAM website address is www.iiam.minag.org.mz on the Michigan State University (MSU) Server.
- Website design and content is the responsibility of Américo Humulane and Maria Celeste Guilima in the DFDTT. They are responsible for the solicitation of content from all programs at IIAM in formats that allow for ease of upload.
- Website *upload* is done at MSU by Steve Longabaugh longabau@msu.edu
- IIAM website design is simple and framed to allow for content in the following areas:
 - Description of the institution, its departments, administrators and researchers;
 - Information on seminars;
 - But as of December 2006 the pages were largely devoid of content.

2. The discussions held with IIAM during the first quarter brought to the forefront the need to:

- Strengthen the design and content of [IIAM's website](#) to fit the research goals of IIAM and to provide IIAM with a strong image on the internet;
- Improve of the Zonal Center researchers' ability to link with the website;
- Integrate **COMPETE** 's webpage into the existing website;
- Move the uploading of IIAM's website from MSU to IIAM.

3. A series of *working* meetings with DFDTT resulted in:

- a) A draft proposal for re-designing the [IIAM's website](#) to provide:
 - Sharper focus on the services and products that result from IIAM's research activities;
 - Space for IIAM's partners;
 - Space for **COMPETE**.
- b) Identifying the training needs for DFDTT staff to:
 - Manage the day-to-day updating of each webpage;
 - Be proficient in the uploading of new material including the uploading of images.

The services/product approach was accepted in a meeting at IIAM 16th November 2006 chaired by Paula Pimentel (Director of DFDTT) and involving the IIAM director Dr. Calisto Bias, MSU and other partners. The design changes proposed for the website were accepted and it was further decided that the website would have a page for Partners and

that ARD should work with Américo Humulane and Marta Celeste to develop a standard set of information that each Partner would provide for the IIAM site.

In other working meetings ARD and IIAM developed standard categories of information for each type of the eight pages (the home page, directorates, Zonal Centers, research programs, personnel, publications, Compete, Partners).

4. Internet Access for the Zonal Centers.

During the many meetings with IIAM it was recognized that the issues related to inadequate access of Zonal Center researchers to the internet (their contact via local internet cafés and dial-up is expensive, time-consuming and irregular) are different for each ZC. In the following quarters the ARD team conducted an informal internet connectivity needs survey at each site to determine how they can best be connected to IIAM in Maputo.

It is important to note that connecting each Center to the internet and IIAM is outside the budget of the ARD Task Order.

5. Moving the IIAM site from the MSU server to Mozambique.

It was determined that a number of things need to be in place prior to moving the website management to IIAM. The transition will take at least one year. During this period ARD:

- Would provide training to IIAM staff in the areas listed in point 2 above.
- Work on the design of the website with MSU and IIAM.
- Select a Mozambican host for the website and ensure that its cost is in the 2007-2008 budget of IIAM.

As a part of this process ARD would:

- Assess the possibilities of an ISP for hosting the IIAM website and intranet email for IIAM staff.
- Check out the map.gov.mz hosting IIAM.

Each of these points were assessed in the fourth quarter and we are still on track to redesign the webpage, develop maintenance capacity in IIAM, and move the hosting of the site to Mozambique.

6. **COMPETE** and the IIAM Website

The ARD team reviewed the immediate needs for Compete Competitive Grants Process to be added to the IIAM website and determined that what was needed to add the page by the end of the first quarter. IIAM agreed that a new page for Compete should be added to the IIAM website and MSU's Steve Longabaugh added English and Portuguese **COMPETE** pages in November 2006.

The **COMPETE** page in Portuguese can be found on the IIAM site at <http://www.iiam.minag.org.mz/compete.html> and **COMPETE** in English at http://www.iiam.minag.org.mz/compete_en.html. ARD immediately put up a general announcement for competitive grants at IIAM and some information about the new name of **COMPETE**. ARD sent out emails to all researchers to begin checking the site thereby creating more awareness of the IIAM site and creating interest in the up-coming RFP.

7. In order to begin to get a sense of the costs involved in redesigning the website in Mozambique, ARD team met with website designer, Martinho Neves (martinho.neves@gmail.com) to go over and get advice on some of the above issues.

In the second quarter, on 7th January the announcement of the first RFP for concept papers was uploaded and pdf files of the RFP embedded for researchers to download.

Following the RFP announcement the website was updated as necessary by the team and uploaded by MSU with announcements that included:

- Closure of the first round of concept papers;
- List of CP writers who were invited to submit full proposals;
- Dates of the training programs;
- Titles of the selected proposals.

The ARD team ordered and received copies of Dreamweaver for use in training and managing the IIAM website.

In the second quarter in addition to the Compete pages which are developed by the ARD team IIAM staff were also developing the other IIAM pages which grew in number and in the quality of the material available. Of particular interest is the page on Success Stories that IIAM added.

In the third quarter (April – 30th June 2007) the Compete page on the IIAM Website was updated as follows:

- 4th April - Announcement of number of proposals received for Round One
- 13th April - Posted Titles of Proposals and the names of the coordinators for Round ONE
- 13th April - Posted RFP for Round TWO Concept Papers
- 18th April - Installed counters to keep track of visitors to Compete page
- 20th April - Compete COP worked on formatting of IIAM's [Recursos Bibliográficos](#) developed by Isabel Cachomba from CESE, DFDTT.
- 7th May - Announcement of Compete's Finalists for Round ONE
- 11th May - Update Announcement of extension of the time allocated for concept paper writing Round Two to May 16th
- 17th May - Announcement of Concept Papers selected in Round TWO
- 14-20th June - Compete Page was completely revised in order to highlight the research [proposals](#), [writers](#), [geographic distribution](#), and [summarized results](#). The map showing the location of the projects was contributed by our CTO Irene de Souza.

During the fourth quarter, the SGM met with Luis Neves, website designer at the Information Center at Universidade Eduardo Mondlane. We went over the requirements for re-designing the website, hosting the website at UEM, and for providing training in the management of the site. CIUEM could do the following: Design a template for the website, redesign the IIAM front/home page and the Compete page, do two work shops to present results and train 4 people in the maintenance and upload of the page. However, in order to adequately re-design IIAM website, we need to get IIAM's basic goals for the website to serve as guidelines for the development of the site.

The following were the sequence of updates done during the fourth quarter:

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- 9th Jul 07 - Website updated with Executive summaries of each of the six research projects in English
- 3rd Aug 07 - Website updated with executive summaries of each of the six research projects in Portuguese
- 25th Aug 07 - Announcement of finalists for Round TWO uploaded to the website

One important activity of Compete regarding the website was to maintain it continuously updated with webpages both in English and Portuguese. This involves translations that were not envisaged in the original budget.

Results for the Website: The website despite the lack of funds has grown significantly in content. DCA, DFDTT and DARN developed material that was uploaded to the website. The Zonal Centers, with the exception of Zonal Center based in Manica are largely devoid of content. There more pages than they were in September 2006 and all pages have considerably more information. Much more important is that all this work was done (with the exception of the Compete pages) by IIAM with some pushing and prodding by both MSU and Compete. This improvement is certainly sustainable.

2.4.3 Publication of a Compete Newsletter

One of the tasks anticipated in task order was the quarterly publication of a Newsletter aimed at providing specialized information to Mozambique-based Agrarian Researchers, deliver announcements of up-coming events, funding opportunities, and Compete's Requests for Concept papers and proposals.

Besides that, the Compete Newsletter also carries articles about the proposal writing process and provides:

- Tips for writing concept papers and proposals.
- Pointers for preparing budgets.
- Project management strategies.
- Articles related to the research funded through Compete.

In order to reach the widest possible audience, this Newsletter is published both in Portuguese and English, made available through our webpage, and distributed to a mailing list of more than 200 researchers and specialists working in Mozambique.

During the first year 5 issues have been published:

• Vol. 1, No. 1 Eng – Jan/2/2007	• Vol. 1, No. 1 Port – Jan/2/2007
• Vol. 1, No. 2 Eng – Jan/9/2007	• Vol. 1, No. 2 Port – Jan/9/2007
• Vol. 1, No. 3 Eng – Feb/8/2007	• Vol. 1, No. 3 Port – Feb/8/2007
• Vol. 1, No. 4 Eng – May/15/2007	• Vol. 1, No. 4 Port – May/15/2007
• Vol. 1, No. 5 Eng – Aug/15/2007	• Vol. 1, No. 5 Port – Aug/15/2007

2.4.4 A competitive grants unit in IIAM

According to a decision made by the Council of Directors of IIAM, **COMPETE** is part of IIAM under direct supervision from the office of the Director-General.

Focal Points have been appointed by the DG on the 8th of December 2006:

1. DCA – Antonieta Nhamusso
2. DFDTT – Américo Humulane
3. DARN – Mário Ruy Marques
4. DPAF – Ilídio Hele
5. Website – Marta Celeste

However, the representative from DPAF (Directorate of Planning Administration and Finances) was appointed to a new position and was not yet replaced.

Several meetings with all focal points were held during this first year in order to discuss issues related to the GMM and the first round of RFPs, setting of research priorities, and the general process of selection of proposals.

In the first year of the project we developed procedures for the management of competitive grants in IIAM. The guidelines for these procedures are in the Grants Management Manual. The establishment of a CG Unit in IIAM is about the practical problem solving that goes with the implementation of the procedures outlined in the GMM. Table 13 summarizes our experience and the extent to which we have passed that activity to IIAM as well as the next steps of implementation.

Table 13 Competitive Grants Unit Activities, IIAM's Involvement and IIAM's Staff Skills Required for the Unit

Granting Activity	Compete Actions	Level on IIAM involvement	Personnel Requirements	Urgent for Year 2
Grants Management Manual	Consulted with MCT and IIAM Focal Point on the established competitive grants process and the specificities of IIAM and wrote the GMM	Focal Points aware and providing comments.	GM	✓
Develop of RFP	Conducted Priority Setting Workshop	Focal Points aware	GM & TM	-
Webpage	Develop and Manage Compete Web page	DFDIT and MSU		✓
Newsletter	Develop and Distribute Newsletter	-		✓
Publish of RFP	Selected appropriate journals for publication of RFP also published it on the IIAM website; and developed an email address list of over 200 crop and livestock scientists who were each informed of the RFP by email.	-	GM	-
Train CP Writers	Organized small training sessions in Zonal Centers, UEM, and IIAM Directorates. Met with individual applicants and teams of applicants on request. Use feedback from TREC to address skill gaps.	2 IIAM staff have conducted one training session	TM GM	✓
CP Evaluation	Compete team reviewed the CPs and selected based on whether they not they were in the priority areas of IIAM a subset of papers to present to TREC which made the final selection of Concept Papers.	IIAM involvement in the TREC		✓
Select of TREC Chairperson	Solicited CV's regionally, selected a candidate in consultation with IIAM, and contracted the candidate.	Consultation with IIAM	TM	-
Select of Readers	On the advice of IIAM selected Readers with appropriate technical experience to provide feedback on each proposal. Each proposal was read by at least 3 readers.	Excellent participation of IIAM Technical Staff	TM	✓
Conflict of Interest	Established criteria for conflict of interest and solicited the appropriate statements from TREC members.	-		✓
Proposal evaluation	Organized the TREC Meeting, gathered readers comments. Prepared Agenda, Took Minutes, solicited Conflict of Interest statements	Excellent involvement of IIAM, MCT, UEM etc	GM & TM	✓
Feedback to all applicants including finalists	Readers comments gathered and sent to each Proposal writer	-	TM	✓
The TREC	Developed a process that is described in the GMM. TREC composition is multi-institutional with national regional and international members.	Strong IIAM involvement	GM	✓
Grant Analysis	Develop database of applicants, and Awardees and analyse the applications in terms of areas of interest, institutional affiliation of applicants, gender, partnerships, ets	-		✓
Envi eval & develop mitigation plans	Screen each proposal for environmental risks and prepare environmental reports with appropriate mitigation for each risk.	-	TM	✓
Research Cronograms	Analyse chronograms for logical sequence of activities, indicators, deliverables.	-	GM & TM	✓
Cost Price Analysis	Analyze budgets in terms of the described activities and market prices	Some involvement of CESE		✓
Monitoring and Evaluation plans	Assist researchers to develop M&E plans	<i>Not applicable in Year 1</i>	TM	✓

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Granting Activity	Compete Actions	Level on IIAM involvement	Personnel Requirements	Urgent for Year 2
Financial Management	Based on a survey of financial management capacity of each institution, provide training to accountants appointed to each project.	Accountants being trained	GM TM & Administrator	✓
Research Project Management	Assist all research projects as needed; and provide support to projects that are lagging or having difficulties. Help projects solve management problems. Evaluate Project Quarterly Reports.	<i>Not applicable in Year 1</i>	GM TM	✓
Annual Research Conference	Organize Annual Research Conference	<i>Not applicable in Year 1</i>	TM GM	✓
Financial Tracking	Track all projects and provide advice and feedback and training as necessary	<i>Not applicable in Year 1</i>	GM Admin	
Dissemination guidelines	Develop Monograph format/guideline for crops, livestock and forestry research results.	Developed with IIAM	TM	✓
Long-term funding IIAM Competitive Grants	Contacts with sources of funding sources and fellowships;	Strong Involvement	TM	
Building Reputation and Capacity of Grants Unit Manage Funds	Transparent process for managing the grants; In the second year we will work more on CG Unit Reporting	-	GM TM	

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Results in the area of management of the Grants process:

The whole process of two-tier competition with clear strategic guidelines including the focus on applied research, multidisciplinary approaches, dissemination an object in the design of the research, partnerships and the pivotal role of the zonal centers seems to have reinforced cross-disciplinary work relationships in IIAM. The evidence for this is anecdotal but it has been remarked upon by several researchers.

At the level of evaluation we have a tightly-scheduled, transparent process that over the year has involved more than a dozen scientists from the Ministries of Agriculture, Science and Technology, and Education, UEM, NGOs, CGIARs MSU, IIAM and USAID. Many participated on a purely voluntary basis taking the time to read and provide comments on specific proposals as well as on the granting process itself. In addition, the TREC, chaired as it is by a regional scientist, and with the presence of IIAM's Director General, has become the real site of debate on relative merits of individual proposals as well as the strengths and weaknesses of research capacity in general. The importance of these discussions may be difficult to capture on paper but we all go away from the meetings with a clearer understanding of the state of research capacity that underpins the sector. The challenge for Compete is to address the identified weaknesses in training sessions and keep raising the skills level.

This challenge in the next year is going to include not only proposal writing but financial management and monitoring and evaluation, the research itself, and eventually the analysis and write up of monographs and other extension materials ready for dissemination.

At the level of the technical work of the grant-making unit Compete does not yet have any IIAM staff working in the unit on a day-to-day basis – the focal points provide technical oversight management documents and training programs but no hands-on work. At this point there is no sustainability built into Compete management. As of the end of September 2007 we are twelve months away from leaving the whole process with IIAM to carry on.

IIAM plans to have the Permanent Secretary of its Technical & Scientific Committee take responsibility for the area-specific aspects of grants-making but for an effective transfer that person must begin working with Compete before the end of 2007. On the other hand, there is a clear need for a grants manager to take over the more administrative component of Compete, including reporting, finances, and monitoring and evaluation.

A key entity in the Competitive Grants System is the Technical Review and Evaluation Committee (TREC). Each TREC meeting engenders very pertinent discussion of the s and cons of different aspects of the ground rules and guidance provided by the GMM. The single most persistent complaint is that Compete provides insufficient time for preparing an adequate Concept Paper or Proposal. This same complaint was even louder in the third quarter when due to the hard deadline of the rainy season beginning in October we were unable to increase the time stipulated and in addition we added the environmental screening and reporting forms that had to be completed and submitted with the proposal. It was strongly recommended by the TREC that we address the time constraint issues in future grant cycles.

Finally, partly as a result of Compete activity, IIAM has indicated its interest in improving its planning, monitoring and evaluation system by including some of these tools into IIAM's regular activities.

2.4.5 CGS Capacity Building Needs in IIAM

2.4.5.1 CGS Institutionalization in IIAM

1. Progress in the institutionalization of the competitive grants unit was made on a daily basis through interaction with IIAM staff. The highlights of such interactions include
 - a. The selection of members of the Technical Review and Evaluation Committee (TREC).
 - b. Search and selection of an agronomist of regional stature to chair TREC.
 - c. Search and selection of readers for the TREC.
 - d. Establishment of a translation process for Compete proposals into English. The proposals were sent to a professional translator and the draft translation was then sent back to the writer to verify that the translation adequately and faithfully translated the original. Most issues that arose in the process had to do with technical terms.
 - e. Holding of TREC Sub Committee to evaluate and select Concept Papers.
 - f. Holding of TREC meetings to evaluate Proposals.
 - g. Evaluation of Financial Management of potential grantees.
 - h. A filing system to track concept paper writers and grantees was also instituted. This proved particularly helpful when we needed to respond rapidly to the Borlaug Foundation fellowships for female scientists.
2. There are fragile but visible changes slowly emerging from the competitive grant process that are verifiable in the concept papers and proposals that are being produced. These include:
 - a. More multidisciplinary teams where social scientists and agronomists and/or livestock managers are involved.
 - b. An improvement in the design of on-farm research.
 - c. Better formulated hypothesis, objectives and research methodology.
 - d. Better identification and formulation of project indicators and results, particularly useful for the M&E process.
3. Finally, partly as a result of Compete, IIAM clarified their [policy on subsidies](#) for agriculture scientists working on research activities.

2.4.6 CGS Research Funding Sustainability

During this year Compete staff made several contacts with potential partners:

- a) Rockefeller re-breeding – they have funds for breeding and welcome applications from Mozambican Agricultural scientists. Compete will support IIAM breeders to submit their proposals to Rockefeller.
- b) Melinda and Bill Gates Foundation re intersect between agriculture and HIV-AIDS.
- c) CDC re intersect between agriculture and HIV-AIDS. PW met with Sandra Mcgunegill, CDC, Ministry of Health to explore the overlaps between health and agriculture. We found the following overlaps which need further exploration:

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- i. Nutritional requirements of individuals with impaired immune systems and the research proposed received by compete that propose improving nutritional content of specific crops.
 - ii. Research being done in high protein crops such as soybeans and peanuts both of which CDC programs either use or intend to use to as supplements to families.
 - iii. The increasing number of rural families who are taking care of an ill member of the family that result in a reduction in family farm labor. CDC intends to employ an agronomist to work with families to improve their nutrition through increased use of home gardens. Areas to explore together include the Compete funded research projects on animal traction, soybeans, etc.
 - iv. The clear interest of agricultural researchers to address the overlapping areas.
 - v. Natural resources being used by individuals for medicinal purposes and the three concept papers that Compete received on specific medicinal plants.
- d) Borlaug Foundation: The team met with Brooke Williams, US Embassy Maputo, and Edward Gerard, USDA, about Borlaug Foundation's African Women Scientists Grants for Mentors at universities in the USA.
- i. The team assisted 4 female scientists to complete their applications for this program.
- e) As part of the support to IIAM, COMPETE helped 2 female scientists to prepare and post the documents required for applying to the "Women in Science" fellowship announced by [TWOWS](#) (Third World Organization of Women in Science).
- f) Compete COP attended a meeting with the PROAGRI working group (donors) in which the Compete program was presented and the need for extra and continued funds were highlighted.

2.5 TASK 5: PRODUCTION OF DISSEMINATION MATERIALS

As part of the process of orienting applied research for addressing the needs of extension Compete developed with IIAM a framework for the development of IIAM's monographs aimed at dissemination of technologies.

All Compete awardees are expected to use, and adapting where necessary, this format for their technical reports.

Still related to the production of dissemination materials, COMPETE COP reviewed and commented reports and components of monographs related to maize and crop adaptation.

2.6 SUPPORTING ACTIVITIES

To support the above activities, the ARD team meets regularly with representatives from USAID (CTO Irene de Souza and Rural Incomes Team Leader Andrew Levin), MSU Food Security Project, IIAM directors and researchers and IIAM focal points among others (see Annex 5) and short-term technical assistance.

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In the first quarter, ARD attended the USAID Workshop on Food Security Strategy, held in Maputo in November 2-3, 2006 (see [program](#) and [list of participants](#)).

Also in the first quarter ARD Home Office, Hammond Murray-Rust came out to kick off the project in September. During the period from the 16th to the 28th of September, Hammond with the COMPETE team discussed in detail the perspectives, plans and activities of the project and had a series of meetings with key people in Maputo, including USAID, MSU, MCT, FNI, IIAM, MINAG, and ProAgri ([summarized report](#) and [list of meetings](#))

In second quarter, the COMPETE team attended The Rockefeller Foundation Workshop on Biotechnology, Breeding and Seed Systems for African Crops, held in Maputo in 26-29 March 2007, during which we got an overall picture of most up-to-date plant breeding research and development of seed system in Sub-Saharan Africa as funded by the organizers, and the MSU organized Workshop on the [Transfer of Agrarian Technologies](#), held in Nampula in 6-7 March 2007, during which the situation regarding the development and use of agrarian technologies by public and private sectors, and NGO researchers was presented and discussed. A short presentation about COMPETE and the results of the submission of concept papers from the first round of solicitations was delivered (see presentation in [pdf](#) or [ppt](#)).

We also provided general support to IIAM (DG and DARN) mostly on specific issues and based on direct request, including development of monographs, and the improvement of the process of planning, budgeting, and monitoring of research.

3 CONSTRAINTS AND OPPORTUNITIES

During the second year of the project there are 4 distinct opportunities for Compete. These are to:

- Fully develop a M&E process for Compete working both with appropriate IIAM staff and with Grantees.
- Assist researchers to prepare proposals for several funding sources such as Rockefeller and Borlaug.
- Prepare IIAM staff to take over Compete as soon as that staff is appointed.
- As part of the sustainability of competitive grants in IIAM develop a Compete report for inclusion in IIAM's Annual Report.

On the other hand there is a glaring constraint and that is the lack of counterparts to learn the IIAM approach and take over the running of the program in September 2008.

Annex 1: USAID Strategic Objectives, Targets, Results and Indicators, 2006-2009

SO Indicators	Implementation Performance		Description	1st Year targets	1st year actual	2nd Year targets	3rd Year targets
	Results	Indicators					
Strategic Objective 6: Increase in rural incomes sustained							
IR 6.1.2			Provision of public and private sector support services increased.				
6.1.2.A			Number of economically viable technologies adapted at zonal research centers.				
6.1.2.B			Adoption rates of new technologies by smallholders.				
		1	Improved national agricultural research system capacity to cost effectively manage a competitive grants system that results in technology development that promises rapid and sustainable farm level impact;				
		1.A	Award at least 30% of grant funds by the end of year 1 and 100% by the end of year 2;	at least \$600,000	\$779,659	cumulative \$2,000,000	cumulative \$2,000,000
		1.B	Plan for management of grant funds by an independent entity designed and implementation initiated by the end of year 2;	n/a		Yes/No	n/a
		3	Agricultural technology development and dissemination networks and partnerships that ensure best practices, public and private sector orientations, market opportunities and on-farm resource endowments are reflected in technology development and dissemination investment decision making				
		3.A	Establishment of a website on agricultural technologies;	Established	Established	Updated	Updated
		3.B	Broad participation of public and private partners in CGS proposal development, review and implementation;	1 partner per award	11 partners	1 partner per award	n/a
		3.C	Additional funding sources obtained for agricultural technology development and dissemination.	n/a		1	cumulative 2
IR 6.1.3			Management of environmental risks improved.				
6.1.3.A			Adoption of risk management strategies at household level.				

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	2	The development of agricultural productivity enhancing technologies.				
	2.A	Approved procedures for awarding grants;	Approved	Approved	n/a	n/a
	2.B	Technology dissemination packages developed (per grantee); EG 5.2 Agricultural Sector Productivity	n/a		1	1
	2.B.1	Number of new technologies or management practices under research as a result of USG assistance (per grantee);	n/a		1	1
	2.B.2	Number of new technologies or management practices under field testing as a result of USG assistance (per grantee);	n/a		1	1
	2.B.3	Number of new technologies or management practices made available for transfer as a result of USG assistance (per grantee);	n/a		1	1
	2.B.4	Number of additional hectares under improved technologies or management practices as a result of USG assistance.	n/a		TBD	TBD

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Annex 2: COMPETE Performance monitoring: Objectives, Targets and Results, 2006-2009

Overall Result	Specific Result	Tasks	Outputs	Description	1st year targets	1st year actual (Q3 2007)	2nd year targets	Q4 2007 expected	3rd year targets
Objective:		To strengthen Mozambique's agriculture research system capacity to cost effectively promote the adoption of improved agricultural technologies.							
Purpose:		To develop a Competitive Grants System (CGS) that will contribute to strengthening the government of Mozambique's agricultural research system capacity.							
1		Increased Mozambique national agriculture research system capacity to promote the development.							
1.A		Sustainable CGS capacity will positively impact all aspects of Mozambique's agricultural technology research, development and dissemination and contribute to achievement of USAID/Mozambique's Strategic Objective 6: Increase in Rural Incomes Sustained. SO 6 supports the US Presidential Initiative to End Hunger in Africa and Mozambique's poverty reduction strategy.							
	1.A.1	Program Establishment							
		1.A.1.a	Establish an office at IIAM;		1	Done			
		1.A.1.b	Establish a website for disseminating project information;		1	Done			
		1.A.1.c	Kickoff Workshop		1	Done			
		1.A.1.d	Work Plan		1	Done	1	1	1
		1.A.1.e	Establish clear and frequent communication on progress and other issues with USAID, and IIAM including timely face-to-face meetings;		1	Done			

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Overall Result	Specific Result	Tasks	Outputs	Description	1st year targets	1st year actual (Q3 2007)	2nd year targets	Q4 2007 expected	3rd year targets
	1.A.2			Awards Process					
			1.A.2.a	Develop an RFP calling for agricultural technology development concept notes and proposals;	1	Done			
			1.A.2.b	Prepare Grants Manual	1	Approved			
			1.A.2.c	Establish a review panel to evaluate and prioritize concept notes;	1	Done			
			1.A.2.d	Conduct a zonal-wide competition for concept notes involving all relevant public and private sector stakeholders, including outreach efforts at zonal centers; Solicit Concept Notes; Announce RFP	2	2	1 ⁽⁴⁾	0	
			1.A.2.e	Concept Notes Preparation; Training and clarification sessions	8 sessions (40 researchers)	14 sessions (164 researchers) ⁽¹⁾	2 sessions (20 researchers)	2 sessions (20 researchers)	
			1.A.2.f	Shortlist Candidates	2	2	1		
			1.A.2.g	Conduct a competition for full proposals;	2	2	1		
			1.A.2.h	Improve the capacity of successful concept note or proposal authors to develop agricultural technology development and dissemination proposals through proposal writing workshops for successful applicants at zonal research centers and/or development of a manual (in Portuguese/English) for preparing concept papers and proposals;	2 (20 researchers)	8 sessions (59 researchers) ⁽²⁾	1 session (10 researchers)		
			1.A.2.i	Assist applicants in developing complete and responsive proposals, including programmatic and budgetary issues;	6 sessions (30 researchers)	8 sessions (77 researchers) ⁽³⁾	2 sessions (8 researchers)		
			1.A.2.j	Establish a review panel to evaluate and prioritize full proposals	1	1	1		
			1.A.2.k	Review and Selection of Proposals (proposals selected)	at least 2	9	at least 2		
			1.A.2.l	Award Grants	at least 2	6	at least 5	3	
			1.A.2.m	Award Inaugurations (per grantee)	1	6 (total)	1	3 (total)	

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Overall Result	Specific Result	Tasks	Outputs	Description	1st year targets	1st year actual (Q3 2007)	2nd year targets	Q4 2007 expected	3rd year targets
	1.A.3			Implementation/Monitoring of Awards					
			1.A.3.a	Implement/monitoring Workshop	1	1	1		
			1.A.3.b	Work closely with principal investigators to launch each project (per grantee);	1	1 (in progress)	1	1	
			1.A.3.b	Monitor progress in, and provide feedback to, each team on programmatic and budgetary issues through frequent interactions, including on-site visits and written reports; Ongoing monitoring/support (per grantee)	1	0	1	1	1
			1.A.3.c	Provide technical assistance to troubled projects;	1	0	1	1	1
			1.A.3.d	Field visits (monitoring)	4	0	4	1	4
			1.A.3.e	Annual Grantee Report (per grantee)	1	0	1		1
			1.A.3.f	Annual Research Workshop	1	0	1		1
	1.A.4			Enhancing National Capacity					
			1.A.4.a	Annual Workshop	1	0	1		1
			1.A.4.b	Updating Website	1	updated	1	1	1
			1.A.4.c	Quarterly Newsletter	4	5	4	1	4
			1.A.4.d	Implement capacity building activities in the areas of research and delivery and project management as well as competitive grants administration. Field Training Workshops	2 field workshops	0	4 field workshops	1 field workshops	1 field workshops
			1.A.4.e	Solicit Fellowship Plans	1	6	1		1
			1.A.4.f	Award Fellowship	0		1		2
			1.A.4.g	Out of country Training	0		1		1
			1.A.4.h	Mentor visits	1		2		2

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Overall Result	Specific Result	Tasks	Outputs	Description	1st year targets	1st year actual (Q3 2007)	2nd year targets	Q4 2007 expected	3rd year targets
	1.A.5			Transfer CGS to IIAM					
			1.A.5.a	Work closely with IIAM to facilitate transition of CGS leadership exclusively to IIAM;	0	in progress	1		
			1.A.5.b	Develop IIAM procedures for CGS activity	0	in progress	1		
			1.A.5.c	Identify and address CGS-related capacity building needs at IIAM, in research, extension and administration;	0	in progress	1		
			1.A.5.d	Perform an assessment and develop a plan for management of grant funds by a independent entity after year 2;	0	0	1		
			1.A.5.e	Handover Ceremony	0	0	1		
			1.A.5.f	Seek the support of additional donors or other partners to sustain and expand the funding for the CGS.	0	1	1		
			1.A.5.g	Organize and facilitate a review of the CGS at end of project term;	0	0	1		
			1.A.5.h	Seek USAID extension	0	0	1		
2				Dissemination and adoption of improved agricultural technologies.					
	2.A			Sustainable CGS that will have a positive impact on Mozambique's agricultural productivity long after completion of this SOW's implementation.					
		2.A.1		Sustainability and Adoption of Technology					
			2.A.1.a	Technology dissemination packages developed (per grantee)	0	0	1		1
			2.A.1.a1	Number of new technologies or management practices under research as a result of USG assistance (per grantee);	0	0	1		1
			2.A.1.a2	Number of new technologies or management practices under field testing as a result of USG assistance (per grantee);	0	0	1		1

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Overall Result	Specific Result	Tasks	Outputs	Description	1st year targets	1st year actual (Q3 2007)	2nd year targets	Q4 2007 expected	3rd year targets
			2.A.1.a3	Number of new technologies or management practices made available for transfer as a result of USG assistance (per grantee);	0	0	1		1
			2.A.1.a4	Number of additional hectares under improved technologies or management practices as a result of USG assistance	0	0	TBD		TBD
			2.A.1.b	Strong CGS partners identified and involved	0	0	1		1
			2.A.1.c	Diverse funding sources secured	0	0	1		1

(1) – This figure includes all researchers including ones from Zonal Centers, Technical Directorates, NGOs, CGIARs, and private enterprises.

(2) - This figure only includes participants in formal meetings who work at the Zonal Centers; we also had one-on-one sessions with several researchers.

(3) - This was accomplished through the training workshops, we also had several one-on-one meetings with researchers (at least 20 researchers), and a frequent exchange of emails with researchers. This figure includes all researchers including ones from Zonal Centers, Technical Directorates, NGOs, CGIARs, and private enterprises.

(4) - Adjustment in numbers approved by CTO.

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Annex 3: List of relevant reports and papers consulted during this year

Title	Date	Author	Financer
USAID Instruction for Environmental Review of Compete activities		USAID	USAID
The AFNETA Alley farming training manual, Volume 2. Unit 5: On-Farm Research. [http://www.fao.org/wairdocs/ilri/x5545e/x5545e08.htm]	1988	A. N. Atta-Krah	ILRI
Applied Agricultural Research: Foundations and Methodology.	1993	Chris O. Andrew and Peter E. Hildebrand	Westview Press
Difusion of Innovations. 4 th ed.	1995	Everett M. Rogers	
Farming systems of the African savanna – a continent in crisis. Chapter 11: Agricultural Research. [http://www.idrc.ca/en/ev-32917-201-1-do_topic.html]	1995	Andrew Ker	IDRC
Adaptability Analysis: A method for the design, analysis and interpretation of on-farm research-extension.	1996	Peter E. Hildebrand and John T. Russel	Iowa State University Press
Guidelines for on-farm research (ANR-001-97)	1997	A. Sundermeier	Ohio State University
Types of participatory research based on locus of decision making (no. 6)	1999	N. Lilja, J. A. Ashby	CGIAR
Regulamento Geral da Acções de Financiamento - FNI	2005	MCT-Ministério de Ciências e Tecnologia	GOM
Prioridades de Desenvolvimento Agrário 2006-2009	2005	MINAG	GOM
Raising the impact of Corp selection on poverty reduction and real income promotion in the rural family sector (STABEX documents)	2006	EC	EC
A food-based approach introducing orange-fleshed sweet potatoes increased vitamin A intake and serum retinol concentrations among young children in rural Mozambique	2006	J.W. Low, M. Arimond, N. Osman, B. Cunguara, F. Zamo, D. Tschirley	CIP
Recursos Humanos na extensão Agrária Pública em Moçambique	2006	Helder Gemo	DNEA-MINAG
The potential contribution of bread buns biofortified with β -carotene-rich sweetpotato to add value to rural diets and increase profits of rural bakers in Central Mozambique	2006	J.W. Low and P.J. van Jaarsveld	CIP

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Title	Date	Author	Financer
Manual de Correctores e Consultores de Seguros	2007	Tranquilidade	
USDA- Agricultural Science and technologies fellows Program - BROCHURES	2007	USAID	USAID
Food Security III Cooperative agreement between U.S. Agency for International Development and Trade (office of Agriculture and Food Security) and department of Agricultural Economics MSU	2007	MSU	USAID
Proposta de Conceito, Princípios e Estratégias de Revolução Verde em Moçambique- DOCUMENTOS VÁRIOS	2007	MINAG	MINAG
Zonas Ecológicas e Sistemas de Produção	15/Jun/1996	IIAM	
Reforma de Sistema de gestão Financeira-Manual de Procedimentos Administrativos e Financeiros	Jun/2001	UEM – Faculty of Veterinary Sciences	
Metodo do Quadro Lógico (MQL)	Jan/2003	ASDI	ASDI
Levantamento dos regadios existentes no Pais	Nov/2003	IIAM	Em CD
Análise de vulnerabilidade corrente em sete províncias de Moçambique	Jul/2004	SETSAN, GAV	
DECRETO nr. 12/2005	27/Apr/2005	Conselho de Ministros	GOM
Building Capacity for Disaster Preparedness – Mozambique Mind Final Report / Capacitação em Preparação Contra Desastres - Relatório final do MIND em Moçambique	30/Sep/2005	Chemonics	USAID
Report of the monitoring of the food and nutrition security in Mozambique	Oct/2005	SETSAN, GAV	
Strengthening Capacity to Implement a Competitive research Grant Fund to Accelerate Agricultural and Natural Resource Research in Mozambique	17/Oct/2005	MSU, Department of Agricultural Economics	MSU
Acquisition & Assistance Policy Directive (AAPD)	Dec/2005	USAID	
Capacity development for Agricultural biotechnology in developing Countries: Concepts, contexts, Case studies and operational challenges of a system perspective	Jan/2006	Andy Hall & Jeroen Dijkman	
Plano de Acção para redução a pobreza absoluta 2006-2009 (PARPA II)	02/May/2006	GOM	

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Title	Date	Author	Financer
Design of a Competitive Grants Systems for Agricultural Research for Mozambique	04/May/2006	The Widerman Consortium: Arvin Bunker, Kennet Buhr, Peter Gregory, José Fafetine	USAID
Implementation of an Agriculture Research Competitive Grants Program for Mozambique	30/May/2006	The ARD RAISE – PLUS Consortium	USAID/ Regional center for Southern Africa
Plano Director do IIAM- 2006-2010 1º Draft	Jun/2006	IIAM	
Strengthening Mozambican Capacity for Agricultural Productivity Growth, Policy Analysis, and Poverty reduction-Quarterly Project Narrative Report	30/Jun/2006	MSU	USAID
Plano de Investimento para o período 2007-2011	31/Jul/2006	IIAM - Gabinete do Director Geral	
Agriculture Soil and Water resources, including irrigation	Aug/2006	EGSSAA	
Economic Impact on Food Security of Varietal Tolerance to Cassava Brown Streak Disease in Coastal Mozambique	Aug/2006	S. McSween, T. Walker, V. Salegua, R. Pitoro	IIAM
Estratégia de Implementação da Política de Investigação – segunda versão	Aug/2006	UEM - Universidade Eduardo Mondlane	
Introduction of new Agricultural Technologies and Marketing Strategies in Central Mozambique	Aug/2006	Rafael N. Uaiene	IIAM
Priority Setting for Public-Sector Agricultural Research in Mozambique with the National Agricultural Survey Data	Aug/2006	T.Walker, R.Pitoro, A.Tomo, I.Siteo, C.Salencia, R.Mahanzule, C.Donavan, F.Mazuze	IIAM
Extensão rural em Moçambique Evolução, desafios e perspectivas; Workshop Internacional	25/Aug/2006	Helder Gemo	UEM, URFGS, Pós-graduação em Desenvolvimento Rural
Draft document, implementation protocol stabex	30/Aug/2006	EC	
Negotiated pursuant to the foreign assistance act of 1961, as amended and executive order 1123 (orçamento)	Sep/2006	USAID	Contract with ARD Inc, nr. EDH-I-00-05-0006-01
Workplan 2006-2008	Oct/2006	COMPETE	USAID

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Title	Date	Author	Financer
Executive Summary, Excerpts and Conclusions of an assignment of coconuts Lethal Yellowing	Nov/2006	MCC	MCC
Workshop Report – Introduction to Compete and detailing agricultural research priorities - Held at IIAM	Nov/2006	COMPETE	USAID
Food Security Strategy Workshop	03/Nov/2006	USAID	
Baselines Survey of Food Security and Nutrition in Mozambique	Dec/2006	SETSAN	SETSAN
Estudo das Abordagens da Extensão Rural do Sector Privado em Morrumbala – Zambézia (Thesis)	Dec/2006	UEM-FAEF	UEM-FAEF
First Quarterly Report (September-December 2006) MARCGP - COMPETE	Dec/2006	COMPETE	USAID
Feasibility Study for Establishment Agri-business Incubator in IIAM	Jan/2007	IIAM	ICRISAT
First RFP (Request for proposals) 05 Jan 07	Jan/2007	COMPETE	USAID – Contain CD
Development of Business Incubator Models for IIAM	Feb/2007	IIAM	ICRISAT
Elaboration of concept papers meetings and Trip Report; 18-Jan to 1-Feb, 2007	Feb/2007	COMPETE	USAID
Grants Management Manual-MARCGP (Compete)	Feb/2007	COMPETE	USAID
SADC-Multi Country Agricultural Productivity Program (SADC-MAPP)	Feb/2007	SADC-MAPP	
Concept Paper and Proposal Writing Workshops; Maputo and Lichinga 21-24 March, 2007	Mar/2007	COMPETE	USAID
Plano de Intervenções Estratégicas de Impacto na produção Agrária a Médio Prazo 2007-2009 - DRAFT	Mar/2007	MINAG	MINAG
Proposal Writing Workshop, Some definitions for Research Proposal Writing	Mar/2007	COMPETE	USAID
TA-MOU-03-CA23 and TA-MOU-04-C23-030 Grant Agreements	Mar/2007	Embassy of EUA	
Technology Transfer Workshop 5-8 March 2007 – Trip Report	Mar/2007	COMPETE	USAID
Transferência de Tecnologias Agrárias	Mar/2007	IIAM-MSU	USAID – Contain CD
Workshop on Biotechnology, breeding and Seed Systems for African Crops	Mar/2007	The Rockefeller Foundation	The Rockefeller Foundation

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Title	Date	Author	Financer
Workshop on Biotechnology, Breeding and Seed Systems for African Crops, 26-29 March 2007	Mar/2007	The Rockefeller Foundation	The Rockefeller Foundation
Concept paper and proposal Writing Training Workshop – trip report. By Marcos and Pauline	Apr/2007	COMPETE	USAID
Extension Master Plan 2007-2016 Final Draft	Apr/2007	MINAG	MINAG
Project proposal on Morphological and molecular Characterization of the main local rice cultivar's for official proposes	Apr/2007	IIAASTD	
RFP – Request for Proposals	Apr/2007	Compete	USAID
Second Quarterly Report of COMPETE	Apr/2007	COMPETE	USAID – Contain CD
Second request for Proposals 9 de Abril 2007	Apr/2007	COMPETE	USAID -Contain CD
FDC-Conferência s/ Estratégia de Desenvolvimento Agrário no Contexto da Revolução Verde em Moçambique Experiência da Índia e sua Relevância para Moçambique	Jul/2007	FDC	FDC
ADS – Chapter 320 Branding and Marking	01/Aug/2007	M/OAA/P	USAID
Technical Review & Evaluation Committee – Conference on 24, Aug 07	Aug/2007	ARD-MARCGP	USAID
Farmer Income Support Project, An assessment of Coconut lethal yellowing-type disease (LYD)	Sep/2007	Simon Green	MCC
Approach to linking producers to market	Sep/2007	FAO	FAO

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Annex 4: List of Compete project documents and reports prepared this year

Title	Date	Status
COMPETE - Introductory remarks at Priority Workshop	15 November 2006	Completed
Detailed Research Priorities	December 2006	Approved
RFP for Concept Papers	December 2006	Approved
Website introductory page	December 2006	Completed
First Quarterly Report (September-December 2006) MARCGP - COMPETE	Dec-2006	
Grants Management Manual	Feb-2007	Approved
Elaboration of concept papers meetings and Trip Report; ; 18-Jan to 1-Feb, 2007	22-Feb-2007	
Proposal Writing Workshop, Some definitions for Research Proposal Writing	Mar-2007	
Technology Transfer Workshop 5-8 March, 2007 – Trip Report	15-Mar-2007	
Concept Paper and Proposal Writing Workshops; Maputo and Lichinga 21-24 March, 2007	28-Mar-2007	
Second request for Proposals	April 2007	
Concept paper and proposal Writing Training Workshop – trip report.	April 2007	
Second Quarterly Report of COMPETE	May 07	
Third Quarterly Report of COMPETE	July 07	

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Annex 5: Calendar of Selected Meetings with Stakeholders and Partners

Date	Stakeholders and Partners (location)	Comments
18/Sept/06	USAID – Andrew Levin, Irene de Souza, Christine de Voest, Karen Dods	Project works and expectations
18/Sept/06	MSU FSII & CESE – Gilead Mlay, Tom Walker, Feliciano Mazuze	Relationships, interactions, collaboration and opportunities
19 & 26/Sept/06	IIAM Director General – Calisto Bias & Technical Directors	Insertion in IIAM, activities and expected results
26/Sept/06	MCT, FNI – Alsácia Atanásio	Interactions
27/Sept/06	ProAgri working group	Presentation of <i>COMPETE</i>
28/Sept/06	Minister MCT – Venâncio Massingue	Role of research and funding research for development
24 & 31/Oct/06	DG IIAM – Calisto Bias	Insertion into IIAM structure, project activities (naming and focal points)
30/Oct/06	Colectivo DARN (IIAM)	Support to organizational structure definition
3 & 4/Nov/06	USAID Food Security Strategy Workshop	Several partners present (WVI, Africare, FFH, Save the Children, Adra, Fewsnet, WFP, CIP, IITA, ICRISAT)
8/Nov/06	MCC – Mark Huisenga & Simon Eden-Green	Coconut research and funding opportunities
12/Nov/06	MCT – Devan Manharlal	MCT web portal
15/Nov/06	MSU FSII – Gilead Mlay & Duncan McDonald	Relationship & planning of joint activities
18/Jan/07	Rob Paterson; Coordinator, Food Security, and Artur Furtado; Design, monitoring and evaluation; CARE Nampula	Research possibilities and priorities.
19/Jan/07	Moses M. Siambi; ICRISAT, Senior Scientist – Agronomy; Country Representative Malawi	Partnerships and interaction with Zonal Centers.
Feb/07	Jan W. Low; Regional Leader Sub-Saharan Africa; CIP	Discussion about Sweet potatoes and partnerships.
14/Feb/07	Brice Dupuis; Centre Wallon de Recherches Agronomiques, Section Systèmes Agricoles	Research possibilities and priorities.
16/Mar/07	Russel Yost; Soil Scientist, Department of Tropical Plant and Soil Sciences, College of Tropical Agriculture and Human Resources, University of Hawai'i at Manoa	Interaction, access to resources and training of IIAM personnel.
26/Mar/07	Joseph De Vries; Africa Regional Office; The Rockefeller Foundation	Interaction and access to resources.

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Date	Stakeholders and Partners (location)	Comments
28/Mar/07	Melissa Ho; Associate Program Officer, Agricultural Development Global Development; Bill & Melissa Gates Foundation	Interaction and access to resources.
28/Mar/07	Adipala Ekwamu; RUFORUM, Regional Coordinator	Interaction and access to resources.
18/Apr/07	Custódio Mucavele, IFAD Country Officer, Mozambique	Importance of biofuels
13/Apr/07	M. Ann Tutwiler, Managing Director, Trade and Development, The William and Flora Hewlett Foundation	General discussion on Agricultural research and funding
13/Apr/07	Julie Howard, Executive Director, Partnership to Cut Hunger and Poverty in Africa	General discussion on Agricultural research and funding
27/Apr/07	Camilien Saint-Cyr, Regional Environmental Advisor, USAID-Southern Africa	Process of Environmental Review
30/Apr/07	Edward Gerard, International Affairs Specialist, USDA	Borlaug Grants and Research funding
May/07	Sandra Mcgunegill, CDC, Ministry of Health	Intersection between agriculture and health
May/07	Brooke Williams, US Embassy Maputo	Borlaug Foundation's Grants for Women
31/Jul/07	Charles Wortman, University of Nebraska, Institute of Agriculture and Natural Resources	Research in Soil fertility and Plant nutrition
30/Aug/07	Mark Huisenga, Director Operations, MCC; Gloria Kessler, Program Officer, Agriculture, MCC	Funding Coconut Research
14/Sep/07	Paul Thangata, SADC MAPP Core Team Member	Interaction SADC MAPP and COMPETE
Sep/07	Michael Connolly, Facilitating Advisor, Agri-Development International	Investment in Agricultural Research and Regional Integration

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Annex 6: Complete list of property purchased during the quarter September 2006 – September 2007

ARD TAG #	Description	Serial Number	Price	Vendor	Date purchased
00001	HP Compac/desktop,DLink wireless cardPCI802.11G,MsOfficePRO203, Symantec Antivirus 2006,DVDWriter 16xblack	ZAB64000VP	\$1,294.98	Dataserv,Lda	02-Nov-06
00002	HP Compac/desktop,DLink wireless cardPCI802.11G,MsOfficePRO203, Symantec Antivirus 2006,	ZAB640016B	\$1,213.50	Dataserv,Lda	02-Nov-06
00003	HP Compac/desktop,DLink wireless cardPCI802.11G,MsOfficePRO203, Symantec Antivirus 2006,	ZAB64000SN	\$1,213.50	Dataserv,Lda	02-Nov-06
00004	Monitor LCD 17"L1730,color	CND6101QWX	\$375.00	Dataserv,Lda	02-Nov-06
00005	Monitor LCD 17"L1730,color	CNC6111ZWT	\$375.00	Dataserv,Lda	02-Nov-06
00006	Monitor 17"HPCompac S7540	CNC6280XXC	\$135.00	Dataserv,Lda	02-Nov-06
00007	Printer DeskJet HP6943	SMY6117ROR7	\$229.62	Dataserv,Lda	06-Nov-06
00008	UPS LEGACY 650VAs 220-230V		\$195.00	RHS-Real Hard & software	07-Nov-06
00009	UPS LEGACY 650VAs 220-230V		\$195.00	RHS-Real Hard & software	07-Nov-06
00010	UPS LEGACY 650VAs 220-230V		\$195.00	RHS-Real Hard & software	07-Nov-06
00011	HP Scannjet 2400Cflatbed color		\$108.52	Byte & Pieces	07-Nov-06
00012	Printer HP Laserjet 1320	CNM1J26579	\$389.60	Triana Lda	02-Nov-06
00013	DLink 624 Wireless Router		\$186.89	Byte & Pieces	07-Nov-06
00014	Secretary table 1600x1200x750		\$330.00	Divitec	06-Nov-06
00015	Deskdrawers		\$135.96	Divitec	06-Nov-06
00016	2 Visit chair with arms		\$107.68	Divitec	06-Nov-06
00017	Visit chair		\$53.86	Divitec	06-Nov-06
00018	Cupboard with 2 doors		\$333.94	Divitec	06-Nov-06
00019	Process fillers		\$222.75	Divitec	06-Nov-06
00020	Fax Machine	SDL18445	\$226.92	Game	06-Nov-06
00021	Window Air Conditioner	509KAWQ00049	\$288.07	Tiger Center	07-Nov-06
00022	Window Air Conditioner	509KAWQ00055	\$288.07	Tiger Center	07-Nov-06
00023	Office Freezer 130l		\$247.05	Tiger Center	07-Nov-06
00024	Safe cash box		\$50.19	Game	06-Nov-06
0025	Vehicle Ford Ranger Double Cabine	MNBUSFE407W623915	\$29,900.00	InterAuto	22-Jan-07
0026	Microwave LOGIC-Model N70-17	GN06031948	\$309.57	GAME	15-Mar-07
0027	Digital machine camera CANON	323220417	\$68.84	GAME	15-Mar-07

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