

Strengthening Mozambican Capacity for Agricultural Productivity Growth, Food Security and Poverty Reduction MSU- FOOD SECURITY III/MZ PROJECT



A Presentation to the PROAGRI GROUP.
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Contents of the Presentation

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Goal

- To support public sector efforts to raise productivity and cut hunger for rural smallholder families through:
 - Expanding the availability of appropriate crop, livestock and natural-resource management technologies,
 - Accelerating the uptake of those technologies by strengthening policy institutions and market information services

Project objectives

- Strengthen IIAM's capacity to identify and make available profitable crop and livestock technologies,
- Increase the demand for and supply of policy analysis relevant to the dominant agricultural development issues of the day,
- Assure the institutionalization of the agricultural household survey within MINAG,

Project objectives (*cont'd*)

- Assist SIMA to evaluate the application of new technologies to expand outreach and data sources and review of tracked commodities to capture emerging markets for non traditional crops, inputs and factors of production,
- To assist USAID mission-Mozambique and collaborating partners to measure, interpret document and enhance program impacts

Brief History: Phase I: 1990 to 1998

- MSU involvement in Mozambique started as a project in mid 1990 with a review of process for the creation of SIMA
- With the support of MSU, SIMA was created in 1991
- Food security and farm profitability studies conducted in Nampula Province

Brief History: Phase II: 1999 to 2004

MSU Project integrated within MINAG

- Support was extended to TIA 2002 and 2003 in terms of methodology, field implementation, processing, contents and analysis
- Support in building capacity in a new policy analysis unit:
 - Formal training
 - In-service training

Brief History: Phase III: 2004 to 2010

- Building Socio-economics research in IIAM as an integral part of technology development and transfer in IIAM
- Consolidating SIMA, TIA and policy analysis capacity
- Continued support to TIA 2005 (panel), 2006 and 2007

Areas of ACTION: *Agricultural Technology, Policy, markets and information*

Results achieved: training

- 30+** BSc-level received in-service training
- 7** have received MS level training at MSU
- 2** have received Ph.D level training at MSU



Results achieved: publications

Mudanças nos Padrões dos Rendimentos de Agregados Familiares Rurais em Moçambique de 1996 a 2002 e suas Implicações para a Contribuição da Agricultura para a Redução da Pobreza

Duncan Boughton, David Mather, David Tschirley, Tom Walker, Benedito Cunguara e Ellen Payongayong

Relatório de Pesquisa No. 61Pt
Dezembro de 2006

Over 60 research papers

40 policy briefs

640 SIMA weekly information bulletins

Quente Quente

10 de Outubro de 2007 **Quente-Quente** No. 640

Informação Semanal de Mercados Agrícolas no País, Região e Mundo

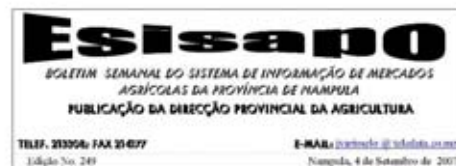
Publicação do Sistema de Informação de Mercados Agrícolas (SIMA)
Ministério da Agricultura - Direcção de Economia e Estatística

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Preços de Milho Continuam a Subir em Alguns Mercados

Results achieved: SIMA expansion

- Development of Provincial market information system (SIMAP) –Nampula, Zambezia, Manica, Tete



Results achieved: Examples of specific applied policy research by the Policy Analysis Dept.

- Analysis of potential effects of liberalization of cotton sector
- Analysis of impacts of liberalization of maize trade with Malawi



Examples of specific applied policy research by the Policy Analysis Dept (*cont'd*)

- Analysis of potential impacts of a raw cashew export ban, and social profitability of subsidized spraying programs
- Analysis of rural employment, labor markets and agricultural minimum wage
- Priority needs and potential returns to investment in the Mozambique seed sector

Examples of specific applied policy research by the Policy Analysis Dept (*cont'd*)

- Economy-wide impact of new smallholder cash crop schemes on rural incomes and poverty reduction
- Ex-ante study of returns to Bt cotton
- Changes in rural household income patterns in Mozambique, 1996-2002 and implications for agriculture's contribution to poverty reduction
- Impacts of prime age adult mortality on rural household income, assets and poverty in Mozambique: Analysis with TIA panel data

Examples of policy impacts in Mozambique....

- MINAG official position to maintain free trade in raw cashew and minimize export taxes
- MINAG official SADC trade negotiation position of free trade in maize
- MINAG rejected calls for maize export restrictions even in years of rising domestic prices
- Minister adopted rice working group recommendation to not impose import tariffs as a protection for domestic rice production
- MINAG generally promoting favorable fiscal regime for agriculture

Examples of policy impacts (cont.)

- GOM encouragement of new international investors in cotton sector to offset entrenched oligopoly
- Proposed export tax on raw tobacco put on hold pending broad stakeholder consultation
- Agricultural productivity given priority in PARPA II
- MINAG Strategy on HIV/AIDS includes broader mandate for actions with rural households to increase incomes and develop efficient targeting

Results & Outputs at IIAM

- Priority setting analysis for agricultural commodity programs completed
 - Analysis of potential poverty reduction from research on different commodities
 - Analysis of potential poverty reduction impact by agro-ecological zone
 - Implications for scientist allocation across programs and zonal centers
 - Implications for future training priorities

Results & Outputs at IIAM (continued)



- Impact assessment of disease resistant Cassava variety (Nikwaha)
- IIAM Investment plan (5 year plan) based on priority setting and impact assessment. Financing of the plan to start in 2008

FUTURE PROSPECTS (2007/8 TO 2009/10)

Principles and assumptions

- Consolidate what has been achieved so far,
- Learn from past experience (Mid-term review)
- Promote ownership by local stakeholders
- Demand driven products
- Green revolution strategy a key political driver that raises challenges for public sector role in agriculture:
 - Balancing short-term impact with long-run sustainability
 - Different approaches for different types of smallholder

Future prospects in the area of Technology (IIAM)



- Consolidate existing human capacity in socio-economics by additional in-service training and post graduate training
- In-service training of new socio economists to be contracted for the South and Northwest Zonal Research Centers

Future prospects in the area of Technology (IIAM)



- Support CESE and Zonal Centers to undertake profitability studies as a baseline for design and evaluation of improved technology packages
- Support CESE and Zonal Centers to undertake adoption studies to provide timely feedback on constraints to adoption of improved technologies

Future prospects in the area of Technology (IIAM) -continued

- Strengthen research-extension linkages through joint development of technology transfer packages
- Dissemination of results to IIAM stakeholders

Future prospects in the area of policy (MINAG-DE)

- Assist DE to disseminate results and promote policy debates,
- Preparation of policy briefs focusing on green revolution with effort to accelerate technology transfer,
- Strengthen the linkages with MINAG Directorates with focus in providing socio-economic analysis in support of commodity development programs

Future prospects in the area of policy (MINAG-DE) -Continued

- Strengthen the linkage between DE of MINAG and Directorate of Studies and Policy of MPD,
- Complete publication and dissemination of all on-going TIA panel data analyses,
- Undertake provincial level analysis of rural household income and crop income growth drivers and disseminate in support of provincial agricultural development planning,
- Formal and in-service training for newly recruited socio-economic analysts

Future prospects in the area of Market information (SIMA)

- Assist SIMA to undertake an updated needs assessment,
- Build capacity of SIMA staff to use ICTs for data collection and dissemination of market information,
- Train SIMA staff on revised data processing, management and analyses routines
- Strengthen the existing network of provincial SIMAs to ensure local information needs and innovations
- Build SIMA analytical capacity

Future prospects in the area of Agricultural statistics (TIA)

- Dissemination of results from past TIAs,
- Documentation of all processes involved in the production of agricultural statistics to ensure institutional memory



Future prospects in the area of Agricultural statistics (TIA)



- Additional training of existing staff and in-service training of new staff
- Evaluation of TIA implementation focusing on design, field implementation, budget implications and areas of additional Technical assistance

Challenges

- Organizational structure that facilitates vertical and horizontal communication within MINAG
- Existence of functional human resource development plan in MINAG and IIAM
- Political will to put into place an incentive structure to promote staff productivity and retention,
- Creation of demand for evidence-based decision making at all levels in MINAG

Additional resource needs

- Senior national analyst to help build bridges between different levels of decision making in MINAG and between MINAG and MPD
- Strengthen in-country TA capacity (PhD) for training, analysis and outreach
- Travel budget for MSU campus faculty to participate in formal/in-service training
- Operating resources to implement activities

Approximate needs in terms of finances (million USD)

	2007/8	2008/9	2009/10	TOTAL
Total	1.8	1.7	1.7	5.2
proposal to USAID	1.8	1.3	1.3	4.4
<i>Additional required</i>	<i>none</i>	<i>0.4</i>	<i>0.4</i>	<i>0.8</i>