

## Postgraduate Training to Improve Skills in Land and Water Management in SADC Countries (ICART/RTP/GC/001/06)

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### Presentation Layout

- Introduction and justification
- Main Objectives
- Specific Objectives
- Activities
- Challenges
- Way forward

### Introduction and Justification

- The majorities of people in SADC countries live in rural areas and are **mostly engaged in agriculture** as the main source of livelihood.
- The main resource base for agricultural production is **land** -soil and water.
- Sustainability and improvement in agricultural production can not be achieved if the natural resource base (**soil and water**) continues to be degraded and used inefficiently.

### Introduction and Justification

- Dependency on **rain fed agriculture** under **changing climate** means that agricultural production will continue to be more **risky** and a disappointment to rural farmers' efforts.
- Expansion and intensification of irrigated agriculture will entail additional water supplies and improvement in irrigation efficiencies. Existing irrigation schemes are poorly managed with irrigation efficiency in the Sub Saharan Africa region being the lowest in the world.
- Water is scarce and many sectors of our economies are competing for the little that is available

### Introduction and Justification

- The mismanagement of land and related resources translate into:
  - Land degradation
  - Loss of biodiversity
  - Food insecurity...Low income and Std of living
- **Need to develop required human resource base in the region to address issues related to utilization and management of soil and water resources for sustainable agricultural production.**

### Specific Objectives

- I. Provide graduates from the program with knowledge and skills needed to design, operate and maintain irrigation systems and the associated water supply and drainage networks at scheme, farm and field level
- II. Impart creativity to enable the student develop solutions to management problems, particularly those which limit the successful operation of irrigation schemes.

## Specific Objectives

- III. Impart operating capabilities in the use of remotely sensed data
- IV. Induce awareness in environmental protection, and
- V. Strengthen competence and practical skills in rural development and sustainable agriculture

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## Activities undertaken so far

- Processing of the applications -2007

Applications for admission and sponsorship received, processed by different committees and approved by university SENATE

Notifying ([www.suanet.ac.tz](http://www.suanet.ac.tz);) and sending out admission letters and scholarship offer to successful applicants

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## Activities undertaken so far

- Survey of potential field tour “study sites” Completed and report produced -2007

Undertaken by Department coordinators for SADC-ICART in Agric Engineering and Soil Sc departments respectively

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## Activities undertaken so far

- Opened two bank accounts one forex (€) and the other Tsh specifically for SADC-ICART project. -2006-2007
- Preparation of advert and advertising of scholarship- [www.suanet.ac.tz](http://www.suanet.ac.tz); Ministries of Agriculture, Deans of Faculties of Agriculture in the Region; RUFORUM. 2006-2007

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## Activities undertaken so far

- Preparation of teaching materials (compendium) -2007

The budget for compendium writing was not adequate because it was based on core courses only. Since we cant tell in advance which elective courses students will choose, we had also to prepare these in advance as a just in case measure.

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## Activities undertaken so far

- **Arrival of students**

Planned for January 2008, but funds received mid April 2008, forcing University Authorities to postpone start of studies to September 2008.

Reconfirmation by successful applicants of commitment to join the SADC-ICART MSc program. Three (3), two (2) from Mauritius, and one (1) from Namibian withdrew and were replaced. Initially the ratio was 9 (other SADC countries -60%):6 (Tanzanian -40%), but now it is 7:8 respectively.

Foreign students arrived in Tanzania on September 2nd.

Commencement of teaching 22nd September 2008

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## ***MSc SOIL SCIENCE AND LAND MANAGEMENT***

S/N	Name of Candidate	Gender	Nationality	
1	Shivolo, O.T	Female	Namibian	OUT
2	Jamson, M.S	Male	Tanzanian	V
3	Kagimbo, F.M.	Male	Tanzanian	V
4	Imakumbili, M.	Female	Zambian	V
5	Tindwa, H	Male	Tanzanian	V
6	Kalala, A.M	Male	Tanzanian	IN
7	Gasper, S	Female	Tanzanian	X

## ***MSc IRRIGATION ENGINEERING***

S/N	Name of Candidate	Gender	Nationality	
1	Nyirenda, E.M.	Male	Zambian	V
2	Vencatasamy, R.	Male	Mauritian	OUT
3	Dhaneshwar, J.	Male	Mauritian	OUT
4	Mchelle, Amy Richard Walter	Female	Tanzanian	V
5	Mahatsindry, R.S.	Male	Madagascan	V
6	Chamba, D.C.	Male	Zambian	IN
7	Kuboja, N.M.	Male	Tanzanian	IN

## ***MSc LAND USE PLANNING & MANAGEMENT***

S/N	Name of Candidate	Gender	Nationality	
1	Sinyangwe, Joy	Male	Zambian	v
2	John, H.B.N.	Male	Tanzanian	v
3	Kyaruzi, A.L.	Male	Tanzanian	v
4	Sicheeba, Given	Male	Zambian	v
5	Ralatzafisoloarivony, N.A.	Male	Madagascan	v

### **Challenges**

- University Authorities postponed start of studies from January to September 2008 due to late arrival of funds. Effect on completion date??
- Expenditure was thus minimal between January and August 2008.  
Little will have been spent between now and next scheduled round of requests for disbursement due to the 75% expenditure requirement?. What should be done so as to satisfy this requirement?

### **Challenges**

- Three (3), two (2) from Mauritius, and one (1) from Namibian withdrew and were replaced.

Successful applicants resorted to other opportunities due to the delay in starting of course work.

40% : 60% ratio difficult to achieve!

### **Challenges**

- Increase in university fee rates (US\$ 2500 to 3372 for year 1 and 2500 to 3925 for year 2) is threatening the implementation of the project. Is there room for amending the budget to accommodate additional costs? (This could have been avoided had studies started in Jan 2008, since new rates are effective this academic year.
- Negotiated with University Authorities -but Results were negative  
We will just manage through cost cutting measures- How will these be viewed? By SADC?

**Thank you for listening**