

## **CCIAM Programme Overview**

**Prof. S.M.S Maliondo**  
**CCIAM Programme Coordinator**

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The Climate Change Impacts, Adaptation and Mitigation in Tanzania (CCIAM) Programme is a partnership between the URT and the Kingdom of Norway. This is a 5-year programme (2010 – 2015). The collaboration involves: SUA, UDSM, ARU & TMA (Tanzania) and UMB, UIO-Oslo, CICERO, NILF in Norway.

The main objective is to develop and sustain adequacy in national capacity to participate in climate change initiatives and address the effects and challenges of climate change with particular emphasis on REDD initiatives. The programme has four key components: Research, Capacity Building (Human Capacity Building and Strengthening Physical Infrastructure), Strategic Interventions and Documentation, Communication and Dissemination.

The research component addresses three themes:

1. Development of appropriate strategies (climate change mitigation and adaptation in forestry, other land uses, ecosystems and biodiversity management)
2. Assessment of climate change impacts (on and vulnerability of ecosystem services and livelihoods under REDD initiatives)
3. Analysis of policy and legal framework (of climate change adaptation and mitigation with emphasis on economic efficiency, ecological effectiveness and wider political legitimacy)

There 15 research projects being implemented from the first Call advertised in 2010 and one-year results from **each** of these projects are presented. It was noted that some areas were not adequately covered in on-going projects, and thus the second call Second Call for research concept notes/projects was advertised in Majira and Daily News on 21<sup>st</sup> and 26<sup>th</sup> October 2011 with a deadline of 25th Nov 2011.

The second call focussed on: Assessment of innovative agricultural land use and farming systems for adaptation to and mitigation of climate change to support REDD initiatives; Development and testing of various range land management strategies for the purpose of reducing pressure on forest resources for adaptation and mitigation to climate change; and Modelling of impacts of climate change and management scenarios in forestry, land-use, ecosystem and biodiversity.

Activities under capacity Building include:

### **Human Resource Capacity:**

1. Training 50 Masters and 17 PhD scholarships.
2. Four PhD students are registered Universities in Norway.
3. 12 have local sponsorship – 10 are in Norway.
4. Special skills in modelling (for technicians and scientists)
5. Scholar exchange (senior and junior)
6. Planned to revise curricula to include climate change
7. Short courses and dissemination workshops

### **Infrastructure Capacity:**

1. GIS laboratories strengthened (hardware & software procured)
2. Internet services strengthened (equipment procured).
3. Strengthening research laboratories

Under strategic intervention there are two types of interventions. The main strategic interventions are programme own initiatives aimed at identifying testing and up-scaling proven climate smart technologies. The minor strategic interventions are intended to address requests on issues requiring short-term research identified by NGOs and communities implementing REDD pilot activities. Currently, the following four main strategic intervention projects are being implemented:

- Innovation to increase C sinks on degraded land,
- Innovation to reduce C emissions from agricultural activities,
- Vulnerability assessment and macroeconomic modelling studies
- Introduction of alternative energy sources,

Under the Documentation, Communication and Dissemination component the programme is implement a project on ‘*Strengthening Documentation, Communication and Dissemination of information related to Climate Change Impacts, Adaptation and Mitigation in Tanzania*’ involving all participating institutions in Tanzania and Norway. In addition, the Programme is preparing an Information and Communication Management Strategy.

Other publicity activities include a website ([www.suanet.ac.tz/cciam](http://www.suanet.ac.tz/cciam)) uploaded and CCIAM Newsletter Vol. 1(1) published and distributed. In addition, The Chairman of Programme Joint Steering Committee, Prof. G.C. Monela, Vice-Chancellor –SUA, gave an interview on programme activities by TBC1 radio on 23<sup>rd</sup> May 2011

Regarding Programme Management, the following meetings were convened:

1. Annual Meeting (TZ + RNE) – First Annual Meeting 24<sup>th</sup> February 2011 and Second Annual meeting on 30<sup>th</sup> November 2011.
2. Joint Steering Committee Meeting (Heads, of Institutions, Representatives from Gvt Ministries + COSTECH) – 6 meetings have taken place to date (3 regular and 3 Special)
3. Programme Management Team – (Programme Director, Coordinator, Institution Programme Coordinators)- 13 meetings

The programme has conducted the following activities linking research projects with REDD Pilot Projects:

- Workshop involving researchers and participants from NGOs implementing REDD pilot projects held in December 2010.
- TFCG, JGI, TaTEDO, WCS; WCST, Mpingo Conservation NGOs represented
- All 15 Research projects being carried out in REDD pilot project sites

### **Challenges and Opportunities**

Despite considerable progress achieved thus far, the programme has faced the following challenges:

- Not all key collaborators were involved during preparation of CCIAM programme
- Late start of REDD+ pilot projects
- Demand for training and research is higher than the programme can absorb (345 Masters and 70 PhD applicants)

- Coordination of many institutions

However, despite the challenges, new opportunities have emerged most notably;

- Stronger inter-institutional collaboration
- Strong participation of key stakeholders in programme activities (Department of Environment, FBD, Agriculture, COSTEC, Livestock etc.)
- Fund is available to participate in meetings/workshops/conferences
- Collaboration with NGOs and communities
- Profile of Climate Change issues among development partners increased
- Opportunities to publish in international journals enhanced by the programme

Items contributing to sustainability include:

- Training scholarships were awarded to all collaborating institutions and environment line ministries
- Working closely with NGOs and communities in national pilot areas
- Strengthened communication in climate change in collaborating institutions (Documentation project)
- Involvement of junior and senior scholar in exchange programmes
- Participation in international meetings dealing with CC
- Infrastructure strengthened (GIS, Internet, Labs equip.)
- Meteorological station networks strengthened.

Finally the programme management wishes assure all our esteemed stakeholders no efforts will spared in order to ensure that the programme objectives are attained as planned.