



**SOKOINE UNIVERSITY OF AGRICULTURE  
SCHOOL OF AGRICULTURAL ECONOMICS  
AND BUSINESS STUDIES,  
P.O. Box 3007, Chuo Kikuu, Morogoro, TANZANIA**

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**ADVERTISEMENT ON PhD METHODOLOGICAL COURSE ON  
ENVIRONMENTAL LIFE CYCLE ASSESSMENT (eLCA)**

**Background**

Sokoine University of Agriculture (SUA) being the only agricultural university in the country, has been trying to respond to the needs of the agribusiness community, which calls for a wider range of skills, action research and agribusiness support services. The School of Agricultural Economics and Business Studies (SAEBS) former Department of Agricultural Economics and Agribusiness (DAEA) of (SUA) is one of the major centers for agricultural economics training in Tanzania, Eastern and Southern Africa. Upon realizing the need for trainings in agribusiness sector skills at PhD level, the SAEBS in collaboration with three Danish Universities (DTU, Aalborg and Copenhagen) under BSU II project is offering training for the four methodological courses namely **Life-cycle assessment and Eco-design, Qualitative research methods, Standards and Market Access** and **Global value chain analysis. The courses will be run intermittently starting February.** The main objective of this training is to attain an effective agribusiness sector composed of profitable enterprises, operated by competent skilled managers, and continuously solving entrepreneurial challenges using sound research findings, with an organization responsive to the changing market, interacting with the agribusiness community and ensuring environmental sustainability.

**General Information on the course**

Life Cycle Assessment is systematic set of procedures for compiling and examining the inputs and outputs of materials, energy and the associated environmental impacts directly attributable to the functioning of a product or service system throughout its life cycle. Life Cycle Assessment is preferably undertaken to improve the environmental and economic efficiency ('Eco-Efficiency') of product supply chains.

**Objectives of the course**

This is a PhD level course on product assessment for environmental sustainability.

The purpose of the course is to provide students with skills to:

1. apply LCA methodology to improve the environmental performance of products and services most often save costs
2. evaluate products' consumption of energy and materials as a consequence of environmental performance improvements of value chains
3. apply Eco-design in product development
4. analyze environmental impacts from products and technical systems
5. apply LCA software in the analysis of the environmental impact

### **Instructors**

Prof. Morten Birkverd and Prof. Arne Wangel  
Both from Technical University of Denmark (DTU)

Dr.Zena Mpenda and Dr. Adam Meshack Akyoo from Sokoine University of Agriculture (SUA)

### **Duration and Venue**

Two weeks from **29 Feb to 11 March 2016** (tentative dates) at the School of Agricultural Economics and Business Studies (SAEBS) Building, SUA main campus along Iringa road.

### **Course eligibility**

1. PhD students who are yet to engage in research work
2. Prospective PhD students who aspire to join PhD in Agribusiness starting Sept 2016
3. Committed students who will attend the course in full
4. Application is on first come first served basis
5. Women are highly encouraged to apply

### **Fees**

DANIDA through BSU II will provide sponsorship to 15 students (gender to be considered), meals will be provided and allowance to cover local transport and internet connection will also be provided

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**Mode of application**

Application should be made by email to the head of project

[zekenya@yahoo.com](mailto:zekenya@yahoo.com)

Copy to [amakyoo@yahoo.co.uk](mailto:amakyoo@yahoo.co.uk)