

# **COOPENER**

Contract no. EIE/04/201/S07.40687

DEA

Development and Energy in Africa

**Third National Workshop Report  
Zambia**

**4 October 2007**



## 1.0 BACKGROUND

The Development and Energy in Africa (DEA) is the project of the EC COOPENER Programme which started on 1 May 2005. The project duration is expected to be 30 months. It is being implemented by Risø National laboratory, and Energy Centre of the Netherlands (ECN) in 6 African Centres

The immediate objectives:

- to establish and apply an Assessment Framework for evaluating development and poverty impacts of energy interventions
- to engage in a dialogue with energy policy makers and other stakeholders on the basis of the framework, with a view to incorporating these issues in energy policy.

The first workshop was held in Zambia at Mulungushi International Conference Centre , in Lusaka, on 9Th September 2005 The workshop dubbed “Kick of Meeting ” attracted participants from sectors including; government Organs (ministries, departments, agencies), Non-Governmental Organizations, Companies (Public and Private) and the media

The objectives of the workshop was to

- Make awareness of the existing prospects and challenges on harnessing energy towards a sustainable development path with particular reference to transport fuels
- Make policy recommendations to promote production and use of biofuels

As part of the DEA process, a second project workshop was held from 5th – 7th June 2006 at Fringilla, and hence the name “Fringilla Process”. The objectives for the Second Project Workshop were:

- To follow the four-step process so that all six participating Centres were prepared to carry out the case studies
- To discuss and agree on next steps in the project and related matters

Three energy interventions were identified at the start of the DEA project. Namely:

- Solar bakeries
- Jatropha Processing and
- Energy Service Company (ESCO)

For the Zambian, case the ESCO project was selected for a start. The case studies were carried out and the results were presented at the second National Workshop held on 2nd November 2006 at Chita Lodge in Lusaka: The main objective of 2nd National Workshops was;

- To discuss the results of the case study from the Zambia and consider the other case studies from other countries, with a view of shaping up DEA Assessment Framework.

In concluding the Programme activities a third and final workshop of the DEA project was held on 4th October 1997 at Chita lodge in Lusaka.

The major objective of the workshop was to discuss the Assessment Framework which had been finalized and disseminate it the stakeholders who could use it in their institutions.

## 2.0 WORKSHOP PROGRAMME

The workshop was held for a half day and those in attendance included stakeholders from government, NGOs and ESCOs

The programme that was adopted is shown in Appendix A.

## 3.0 ATTENDENCE

A total of 12 people were in attendance. The details of the attendees are presented in Appendix B. Ms L.M Zulu chaired the sessions of the workshop.

## 4.0 WORKSHOP PROCEEDINGS

### 4.1 Official Opening

The introductory speech was made by Lilian M Zulu from Centre for Energy Environment and Engineering Zambia

She welcomed the participants and asked for their participation during the proceedings. She also explained the purpose of the workshop whose objective was report back to the stakeholders and disseminate the Assessment framework which had since been finalized.

### 4.2 Presentations

Three presentations were made. They are summarised in this section.

#### 4.2.1 The DEA project – by Lilian M Zulu

The presenter focused on overview of the DEA project, outline of the DEA methodology and brief results from case studies in Senegal, Zambia and Tanzania.

The overview covered the following

- Develop and apply a framework for impact analysis from small/medium energy projects in six African countries
- Focus on development/poverty alleviation impacts
- Six African Centres as partners – six different case studies
- Involve multi-sector stakeholders – explore how information on impacts can influence policy and intervention design
- Raise awareness of potential links between energy and development

#### 4.2.2 Energy an Development - national update by DoE presented by Patrick Mubanga

This presentation outlined the following

- Organization structure of the energy sector
- Roles of the Ministry of Energy and Water Development
  - to provide and articulate policy guidelines to the energy sector

- to monitor developments in the energy sector
  - to integrate the energy sector into the national and regional development strategies.
- Energy and Development update
    - Development of the rural electrification master plan
    - Development of a framework for Bio fuels
    - Initiating Bio fuels Act
    - Development of Renewable Energy Strategy
    - Energy Exploration

#### 4.2.3 The Assessment Framework – by Lilian M Zulu

This presentation elaborated the following issues

- Aim of having a methodological framework
- Common issues that are addressed in the methodological framework
- Contents of the DEA Assessment Framework
  - Modelling impacts
  - Identification of stakeholders
  - Delimit focus on intervention
  - Results of the causal chain
  - Choosing indicators and
  - Data collection

This session was going through the Assessment Framework report it self so that participants could get a dipper understanding of the framework, since it was envisaged that they will utilize it in the institutions.

## 5.0 DISCUSSION

There was a plenary discussion, issues that generally came out included:-

- Stakeholders appreciated the framework
- The issue of the cost and time associated with implementing the framework
- Specificity was not clear as to when the framework may be used either when projects are still in process or when they are completed
- Since the project was coming to end, stake holder questioned where they would consult from once they started using the framework

## 6.0 CONCLUSIONS AND WAY FORWARD

In concluding the workshop participants asked for both soft and hard copies of the framework for future reference.

Generally, the workshop was highly successful. Participants were very active and participated actively in the deliberations. They commended the work of CEEEZ and confirmed that little work had been done for assessing energy projects.

The meeting was closed at 13 00hrs

## APPENDIX A      WORKSHOP PROGRAMME

Chita Lodge, Lusaka  
4th October 2007

08 30 - 09 00	Registration
09 00 - 09 30	Introduction – status of the DEA project
09 30 - 10 00	Energy an Development - national update by DoE
10 00 - 10 30	Tea/ Coffee break
10 30 - 11 30	The Assessment Framework
11 30 - 13 00	Discussions
13 00	Closing and lunch

**APPENDIX B LIST OF ATTENDEES**

<b>NAME</b>	<b>ORGANISATION</b>	<b>TITLE</b>	<b>CONTACT INFORMATION</b>	<b>ORGANISATION'S ACTIVITIES</b>
Mr C Malisawa	National Technology Business Centre	Manager Technology and Marketing	Tel. +260 1 222355, 222409 Fax: 222370 Email: clement_malisawa@yahoo.com	Technology transfer and diffusion, environmental impact assessment commercialisation and research and development items and new Greenfield projects
Mr Patrick Mubanga	Department of Energy	Energy Officer	Tel: +260 1 254491/+ 260 1 251337 Mobile:+260 955 756304 Fax: +260 1 254491 <a href="mailto:pkmubanga@yahoo.co.uk">pkmubanga@yahoo.co.uk/</a> <a href="mailto:pmubanga@mewd.gov.zm">pmubanga@mewd.gov.zm</a>	Policy formulation and implementation
Harriet c Kabanga	Small Entreprise Development Board(SEDB)	Projects Officer	Tel: +260 1 222 176 Fax: +2601 222176 Cell: +260 955 454368	Zambia Development Agency m MSE Division (former SEDB) promotes and develops the small scale sector in the country
Mr Mulimba Michael Chintu	Chipata Energy Service Company (CHESCO)	Managing Director	Tel: 260 6 221 724 Cell: 097 481212 or 095990663	Energy Service through Provision of Solar PV
Francis Mulenga	Rural Electrification Authority	Electrical Engineer	Teln: +260 211 241296/98 Fax +260 211 241301 <a href="mailto:Fmulenga.rea@microlink.zm">Fmulenga.rea@microlink.zm</a>	Rural electification in Zambia – Solar, grid extention, biomass and minihydros
Mr Kenneth Chelemu	International Development Enterprise	Deputy Country Director-programmes	Tel: 260 1 239001/ 232620 Cell: chelemuk@idezambia.org.za	Promotion of small holder irrigation using low cost technologies for increased income and poverty reduction
Bridget Munyeka	Private entrepreneur	Entrepreneur	Cell: +260 977 996629	Trying to promote solar products

Justine Mwaba	Zambia Chamber for Small and Medium size business association	Entrepreneur	Tel : +260 211 260706 Fax : +260 211 260706 Cell =260 955 744213	Petroleum products marketing
Bernard Lusale	Micro Bankers Trust	Projects Officer	Tel : +260 211 290852,291393 Fax : +260 211 291393 Cell : +260 966 824979	Provision of financial services especially loans to rural and peri urban areas.
Beranrd Mbewe	University of Zambia	Technician	Tel : +260 211 293343 Cell : +260 977 403111 Bernard_mpando@fastmail.fm	Consultation, and research part of the energy and environment research group.
Jani Chambwa	Nyimba Energy Service Company	Director	Cell : +260 966 374085/ 977 963465	Provision of solar PV systems
Mr Kenneth Chelemu	International Development Enterprise	Deputy Country Director-programmes	Tel: 260 1 239001/ 232620 Cell: chelemuk@idezambia.org.za	Promotion of small holder irrigation using low cost technologies for increased income and poverty reduction
Mr H. Walimwipi	CEEEZ	Projects Engineer	P/Bag E721, Lusaka. Tel: +260-1-243619 Fax: +260-1-240267 Email: <a href="mailto:ceeez@coppernet.zm">ceeez@coppernet.zm</a>	Studies and consultancy in energy, environment and engineering
Mrs L. Zulu	CEEEZ	Projects Engineer	P/Bag E721, Lusaka. Tel: +260-1-243619 Fax: +260-1-240267 Email: <a href="mailto:ceeez@coppernet.zm">ceeez@coppernet.zm</a>	Studies and consultancy in energy, environment and engineering



