



# Energy, Ecosystems and Livelihoods in Eastern and Southern Africa

## Final workshop programme

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**Date:** Tuesday 28<sup>th</sup> and Wednesday 29<sup>th</sup> April 2009

**Venue:** Villa Via Hotel in Pretoria, South Africa

### Objectives

- Building mutual understanding of the vulnerability of energy systems to ecosystem changes as well as the risks posed to ecosystems and livelihoods from energy options being pursued or planned in the region;
- Building networks for delivery on the Energy and Climate change thematic programme of the 2009-2012 IUCN Programme.

### Agenda

#### Day 1 – Tuesday 28<sup>th</sup> April

##### SESSION 1: INTRODUCTIONS AND OVERVIEW

9.00	Welcome	Ali Kaka Regional Director for IUCN Eastern and Southern Africa Regional Office (ESARO)
9.10	1. Workshop introduction Purpose, objectives and expected outcomes Agreement on the agenda	Excellent Hachileka Programme Coordinator for Climate Change IUCN ESARO
9.20	Paired introductions	Nadine McCormick Energy Network Coordinator, IUCN
9.50	2. Introduction to IUCN and 2009-2012 Programme	Hastings Chikoko Head of Constituency IUCN ESARO
10.00	3. Linking energy, ecosystems and livelihoods – an IUCN perspective	Nadine McCormick Energy Network Coordinator
10.15	Questions & Answers on IUCN	IUCN HQ

**10.30** *Coffee break*

11.00	4. Setting the scene: Overview of energy situation in Eastern and Southern Africa	Prof. Wikus van Niekerk Director – Centre for Renewable and Sustainable Energy Sources, Universiteit Stellenbosch University
11.30	Questions & Answers	
11.45	5. Exploring energy and climate change linkages from an ecosystem perspective	Excellent Hachileka IUCN ESARO
12.00	Plenary discussion – implications for ecosystems and livelihoods in the region	Nadine McCormick IUCN HQ

### 13.00 *Lunch*

## SESSION 2: ECOSYSTEM AND LIVELIHOOD IMPLICATIONS OF ENERGY OPTIONS

14.00	Hydropower – lessons from the region	Chair: Dr. Stanley Liphadzi Water Research Commission
14.00	▪ 6. Hydro power generation: the good , the bad and the ugly	Elenestina Mwelwa Director, ZESCO- ESU
14.15	▪ 7. Managing the ecosystem and livelihood impacts of energy options: the Case of Bujagali Hydro Electricity Power, Uganda	Paul Buyerah Musamali Director Corporate Affairs National Forestry Authority, Uganda
14.30	▪ 8. Effects of climate change/variability on hydropower potential in the Zambezi River Basin	Mr Hartley Walimwipi CEEEZ
14.45	▪ 9. Managing the upstream HEP energy flows downstream: the case of Usangu floodplains, Mbeya, Tanzania	Lameck G. Noah Eastern Selou Project
15.00	Clarifying questions	Chair: Dr. Stanley Liphadzi
15.15	Open plenary discussion <ul style="list-style-type: none"> <li>- What has been done in the region?</li> <li>- What can be improved?</li> <li>- What is not being done?</li> <li>- What tools/approaches do we have?</li> </ul>	

### 15.45 *Coffee break*

16.00	Biofuels – lessons from the region	Chair: Isobel van der Stoep WSM Leshika Consulting
16.00	▪ 10. Opportunities and Constraints for Sustainable Development of Biofuels in	Daniel Nyamai Chief Scientist/Biofuels Advisor

ESA/COMESA Region: lessons and experiences

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|-------|---|---|
| 16.15 | ▪ 11. Biofuels, Land tenure and rural livelihoods in Tanzania   | Emanuel Sulle<br>Tanzania Natural Resource Forum  |
| 16.30 | ▪ 12. Biofuels Production and its implications for sustainability: the case of Botswana   | Professor Donald Kgathi<br>Harry Oppenheimer Okavango Research Centre<br>University of Botswana |
| 16.45 | ▪ 13. Biofuels and invasives – report from workshop held in Nairobi, 20-22 April  | Nadine McCormick<br>IUCN HQ   |
| 16.50 | ▪ 14. Managing the impacts and promoting opportunities: the Roundtable on Sustainable Biofuels  | Annie Segrue<br>Citizens United for Renewable Energy and Sustainability (CURES)                 |
| 17.10 | Clarifying questions  | Chair: Isobel van der Stoep   |
| 17.20 | Open plenary discussion <ul style="list-style-type: none"><li>- What has been done in the region?</li><li>- What can be improved?</li><li>- What is not being done?</li><li>- What tools/approaches do we have?</li></ul> |   |
| 17.50 | Sum-up for the day and plans for tomorrow   | Excellent Hachileka<br>IUCN ESARO   |

18.00 *End*

19.00 *Optional dinner – A table is booked at Café 41 (across the road of the venue) for participants. If you wish to attend, you are requested to pay your individual bills.*

**Day 2 – Wednesday 29<sup>th</sup> April**

**SESSION 2 continued: IMPLICATIONS OF ENERGY OPTIONS**

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| 9.00  | Re-cap on the first day and plan for the day  | Excellent Hachileka<br>IUCN ESARO   |
| 9.15  | 15. Traditional bioenergy – lessons from the region   | Chair: Bryan Havemann<br>Chair of the IUCN National Committee of South Africa   |
| 9.30  | ▪ 16. A solution for energy poverty? Small-scale bioenergy from a gender perspective                        | Annie Segrue<br>Citizens United for Renewable Energy and Sustainability (CURES) |
| 10.00 | Clarifying questions  | Chair: Bryan Havemann   |
| 10.15 | Open plenary discussion <ul style="list-style-type: none"><li>- What has been done in the region?</li></ul> |   |

- What can be improved?
- What is not being done?
- What tools/approaches do we have?

10.45 *Coffee break*

**SESSION 3: DEFINING PRIORITIES FOR FUTURE ACTION**

11.00 Plenary discussion Nadine McCormick  
IUCN HQ

- What are the over-arching and/or common issues across each of the energy options?
- Identification of potential outputs and/or project ideas.

12.30 Group work -

- 1. General energy framework
- 1. Hydropower
- 2. Biofuels/Traditional bioenergy

Questions:

- What are the main environmental and livelihood issues for each technology?
- Who are the main actors/decision-makers in that area?

13.00 *Lunch*

14.00 Report back Nadine McCormick  
IUCN HQ

15.00 Next steps and follow up  
Workshop assessment Excellent Hachileka

15.25 Final words

15.30 *End*