

Bioenergy Workshop Kruger National Park

April, 1-2, 2014

Kruger National Park – South Africa

PROGRAM

DAY 1 – APRIL, 1

8:30 – 9:00	WELCOME & MEETING OVERVIEW Emile van Zyl, Stellenbosh University (South Africa) <i>Welcome & Workshop objectives</i> Luís Cortez, UNICAMP (Brazil) <i>LACAf Project overview</i> Lee Lynd, Dartmouth University (USA) <i>GSB Project overview</i>
9:00 – 10:30	SESSION I: DISCUSSION ABOUT WHY BIOENERGY IN AFRICA? <i>Chair: Emile van Zyl, Stellenbosch University (South Africa)</i> Communication and Consulting Challenges in Biofuels 20 min Luiz Augusto Horta Nogueira, UNIFEI & UNICAMP (Brazil) The Replicability of Brazil's Bioenergy Model in Africa 20 min Klaus Dalgaard, LACAf's pos-doc (Brazil) Round table and Discussion with 30 min Lee Lynd, Dartmouth University (USA) Luís Cortez, UNICAMP (Brazil) <i>Reporteur: Mauro Berni, UNICAMP (Brazil)</i>
10:30 – 11:00	COFFEE BREAK
11:00 – 13:00	SESSION II: DETERMINING THE BIOENERGY POTENTIAL IN AFRICA - HOW MUCH CAN BE PRODUCED CONSIDERING SUGARCANE? <i>Chair: Luís Cortez, UNICAMP (Brazil)</i> Constraints in Land Use for Biomass Production in Mozambique 20 min André Nassar, AGROICONE (Brazil) Determining the Biomass Potential in South Africa and Mozambique 20 min Fernando Bertolani, Sugarcane Technology Center – CTC (Brazil) Edgar De Beauclair, School of Agriculture - ESALQ/USP (Brazil) Increasing ethanol production in Southern Africa: Opportunities and challenges 20 min Johann Gorgens, Stellenbosh University (South Africa) Round table and Discussion with 60 min Rui da Maia, Technical University of Mozambique (Mozambique) John Sheehan, University of Minnesota (USA) <i>Reporteur: Paulo Manduca, UNICAMP (Brazil)</i>
13:00 – 14:30	LUNCH
14:30 – 16:30	SESSION III: GEOSPACIAL ANALYSIS IN AFRICA: CAN LAND USE BE OPTIMIZED? <i>Chair: Keith Kline, Oak Ridge National Laboratory – ORNL (USA)</i> Land use mapping/Change analysis using time series of satellite images 20 min Jansle Rocha, UNICAMP (Brazil) Mixed crop-livestock detection/mapping using remote sensing 20 min Rubens Lamparelli, UNICAMP (Brazil) Pasture Intensification 20 min John Sheehan, University of Minnesota (USA) Round table and Discussion with 60 min André Nassar, AGROICONE (Brazil) João Chidamoio, Ahead Energy (Mozambique) <i>Reporteur: Felipe H. Gomes, Pedológica (Brazil)</i>

DAY 2 – APRIL, 2

SESSION IV: FOOD AND ENERGY SECURITY IN AFRICA

Chair: João Chidamoio, Ahead Energy (Mozambique)

Modern bioenergy and its potential role towards enabling a sustainable future for southern Africa
20 min

Annie Chimphango, Stellenbosch University (South Africa)

8:30 – 9:40

Socioeconomic impacts in Mozambique due to sustainable sugarcane bioethanol production scenario
20 min

Marcelo Pereira da Cunha, UNICAMP (Brazil)

Round table and Discussion with
30 min

Rui da Maia, Universidade Técnica de Moçambique (Mozambique)

Manoel Regis Lima Verde Leal, CTBE (Brazil)

Reporteur: Marco Ospina, UNICAMP (Brazil)

9:40 – 9:55

COFFEE BREAK

9:55 – 11:25

SESSION V: ENVIRONMENT ISSUES FOR BIOFUELS PRODUCTION IN AFRICA

Chair: Suani Coelho, USP (Brazil)

Opportunities to Design Biofuel Systems for Multiple Environmental Services and Socioeconomic Benefits
20 min

Virginia Dale, Oak Ridge National Laboratory – ORNL (USA)

What we know about environmental and social consequences of biofuels production and we should avoid in the future
20 min

Luiz Martinelli, Center of Nuclear Energy and Agriculture - ESALQ/USP (Brazil)

Energy Security and Human Development: Pathways to Sustainability
20 min

Tom Richard, Pennsylvania State University - PSU (USA)

Round table and Discussion with
30 min

Mike Jacobson, Pennsylvania State University - PSU (USA)

Reporteur: João Guilherme Dal Bello, Post-Doc LACAf-I (Brazil)

SESSION VI: ISSUES CONCERNING THE PRODUCTIVE MODEL AND INDUSTRY

Chair: Emile van Zyl, Stellenbosch University (South Africa)

An overview of the South African sugar industry
20 min

Luke Brouckaert, South African Sugar Industry (South Africa)

The New Approach of the Sugar Industry to Diversity Processing to Include Biorefineries and Integrate Bioenergy and Valuable Bio-Product Production
20 min

11:25 – 12:45

Steve Davis, SMRI (South Africa)

What Scale Should We Consider?
20 min

Manoel Regis Lima Verde Leal, CTBE (Brazil)

Round table and Discussion with
20 min

Antonio Bonomi, CTBE (Brazil)

Nico Stoltz, South African Sugar Industry (South Africa)

Reporteur: Klaus Dalgaard, Post-Doc LACAf-I (Brazil)

12:45 – 13:30

LUNCH

13:30 – 17:00

TSB TECHNICAL VISIT