



## **Working Group on Capacity Building**

### **Study Tour for Capacity Building 2<sup>nd</sup> Bioenergy Week**

*Maputo, Mozambique, 5-9 May 2014*

### **Provisional Programme**

**Hosted by :**



Government of Mozambique

**Supported by:**



**GBEP Working Group on Capacity Building (WGCB)**  
**Study tour for capacity building and training (Activity Group 3)**

*Draft Program for the 2nd "Bioenergy Week"*  
*Radisson Blu Hotel, Maputo, Mozambique, 5-9 May 2014*

Monday 5 May 2014	Tuesday 6 May 2014	Wednesday 7 May 2014	Thursday 8 May 2014	Friday 9 May 2014
<b>OPENING</b> Welcome Speeches  ***  Regional overviews Africa Americas Asia and Europe	<b>FOOD SECURITY AND BIOENERGY</b>  ***  Speakers will be invited to make cross cutting references to sustainability indicators and policy related examples	<b>SUSTAINABLE MODERN BIOMASS ENERGY DEVELOPMENT</b>  ***  Speakers will be invited to make cross cutting references to sustainability indicators and policy related examples	<b>ROUNDTABLE discussion among policy makers, business sector and international banks/funds</b> (con't)	<b>CONCLUSIONS</b>  1. Policy lessons for the future  2. Lessons learned on food security, family farming integration and wood energy development  3. Cooperation opportunities
Lunch	Lunch	Lunch	Lunch	Lunch
<b>Regulatory and policy frameworks for bioenergy</b>  ***  State of the art and lessons learned	<b>FAMILY FARMERS INTEGRATION IN THE BIOENERGY VALUE CHAIN</b>  ***  Speakers will be invited to make cross cutting references to sustainability indicators and policy related examples	<b>RECAP SESSION: Main results and messages from the previous sessions.</b>  <b>ROUNDTABLE discussion among policy makers, business sector and international banks/funds</b>	<b>BREAK OUT GROUPS with policy makers, business sector and international banks/funds</b>	
		Reception		

<b>Monday, 5 May 2014</b>
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09.00 – 09.30      **Registration of participants**

09.30 – 10.30      **Opening Session and Welcome Speeches**

- Minister of Energy of Mozambique, *H.E. Salvador Namburete*
- GBEP Chair, *Corrado Clini, Italy*
- GBEP co-Chair, *Mariangela Rebuá, Brazil*
- Co-Chair of the GBEP Working Group on Capacity Building, *Miguel Almada, Argentina*

10.30 – 11.00      **Networking coffee break**

11.00 – 12.30      **Regional overviews**

*Chair: Antonio Saide, National Director of New and Renewable Energy, Mozambique*

- Feasibility studies for biofuels and food production in Mozambique, *Frederico Dimas Paiva, Getulio Vargas Foundation*
- African Bioenergy Policy Framework and Guidelines adopted by African Union, *Atef Marzouk, African Union Commission*
- The role of bioenergy in Brazil, *Carlos Eduardo Martin Mandarino, MDIC, Brazil*
- The role of bioenergy and recent initiatives in the Americas (Brazil/US MoU), *Kristen Johnson, Department of Energy, USA*
- The role of bioenergy in Asia, *Edi Wibowo, Ministry of Energy and Mineral Resources, Indonesia*
- The role of bioenergy in the European Directives for renewable energy, *speaker tbd*

12.30 – 14.00      **Lunch break**

14.00 – 15.00      **Regulatory and policy frameworks for bioenergy**

*Chair: Kees Kwant, Netherlands Enterprise Agency*

- National Biofuels Framework in Mozambique, *Marcelina Mataveia, National Directorate of New and Renewable Energy, Mozambique*
- Agro-ecologic zoning in Mozambique, *Ministry of Agriculture, Mozambique*
- National Bioenergy Strategy in South Africa, *speaker tbd*
- National Bioenergy Strategy in Ghana, *Out-Danquah Kwabena, Ghana*

- The contribution of NEPAD, *Mariam Sow, NEPAD*
- Regulatory framework for bioenergy in Brazil, *Ricardo Dornelles, Ministry of Mines and Energy (MME)*
- Strategies for the future of ethanol in Brazil, *Carlos Eduardo Martin Mandarino, MDIC, Brazil*

15.00 – 16.00      **Coffee break**

16.00 – 18.00      **Round table discussion on policy developments – lessons learned and capacity development**

*Moderator: Kees Kwant, Netherlands Enterprise Agency*

- Necessary steps for policy developments
- Lessons learned from the bioenergy policy developments in various countries
- Discussion

<b>Tuesday, 6 May 2014</b>
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09.00 – 10.30      **Food Security and Bioenergy**

*Chair: Olivier Dubois, FAO*

- The experience in Sudan, *Abdelmoneim Taha Ahmed, Sudan*
- Bioenergy and Food Security Rapid Appraisal (BEFS RA) in the Philippines, *Rosemarie Gumera, Philippines*
- The experience in Mozambique, *speaker tbd*
- The experience of social seal for biodiesel in Brazil, *André Machado, MDA, Brazil*

10.30– 11.00      **Coffee break**

11.00 – 13.00      **Round table discussion on food security and bioenergy**

*Moderator: Olivier Dubois, FAO*

- Links between bioenergy and the four dimensions of food security
- Eliciting the possible needs in terms of capacity development needs in light of the lessons learned from the bioenergy developments in various countries
- Discussion

13.00 – 14.30      **Lunch break**

- 14.30 – 15.30      **Family Farmers Integration in the Bioenergy Value Chain**  
*Chair: Mariangela Rebuá, Brazil*
- The experience in Ethiopia, *Nadew Tadele, Ethiopia*
  - Integrated food and energy system in Malawi, *Olivier Dubois, FAO*
  - The Brazilian case “Agri-Energy Cooperative for Family Farming”, *Cícero Bley, International Center on Renewable Energy-Biogás (CIBiogás-ER)*
  - The potential of bioenergy value chains for rural communities: Examples from Cameroun, DRC, Madagascar and Senegal, *Katja Albrecht, GIZ, Germany*
- 15.30 – 16.00      **Coffee break**
- 16.00 – 17.30      **Family Farmers Integration in the Bioenergy Value Chain (con’t)**  
*Chair: Mariangela Rebuá, Brazil*
- Small holders certification in biomass supply chains, *Ella Lammers, Netherlands Enterprise Agency*
  - Smallholders jatropha production in Mozambique, *Bachir Afonso, ADDP, Grupo de saneamento*
  - Cooperative work. The experience of COPLACANA in Brazil, *Arnaldo Antonio Bortoletto, COPLACANA*
  - Smallholder certification as a means to educate smallholders and boost their productivity, *Rolf Hogan, RSB*

<b>Wednesday, 7 May 2014</b>
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- 09.00 – 10.30      **Sustainable Modern Biomass Energy Development**  
*Chair: Martina Otto, UNEP*
- Thermal and biogas production in Egypt, *Ahmed Abdelati, Egypt*
  - The experience of ICRAF, *Simone Favaro, ICRAF*
  - The experience of GACC, *Ranyee Chiang and Seema Patel, GACC*
  - Possibilities of sustainable woody energy trade and impacts on developing countries: Country Case Study Brazil, *Suani Coelho, CENBIO*
  - Brazilian Case “Energetic Forests for Sustainable Modern Biomass on Small Rural Properties”, *Cícero Bley, International Center on Renewable Energy-Biogás (CIBiogás-ER)*

	<ul style="list-style-type: none"> <li>• Technology Transfer: Opportunities and Challenges for Sugarcane Bioethanol Technology in Africa, <i>Linus Mofo, IRENA</i></li> </ul>
10.30 – 11.00	<b>Coffee break</b>
11.00 – 12.30	<p><b>Sustainable Modern Biomass Energy Development</b> (con't)  <i>Chair: Martina Otto, UNEP</i></p> <ul style="list-style-type: none"> <li>• Socio-economic impact of improved cooking stoves in Mozambique, <i>Maria del Rosario, En Dev</i></li> <li>• Cogeneration and bioelectricity for energy access, <i>Mohamed ElMardi, Kenana Sugar Company, Sudan</i></li> <li>• Small-scale cellulosic ethanol from sawdust, <i>Femi Oye, SME Funds, Nigeria</i></li> <li>• Small scale wood briquette production in Zambia, <i>Edward Chanda, SEEM, Zambia</i></li> <li>• Charcoal briquettes and energy saving stoves project in Uganda, <i>Betty Ikalany, TEWDI</i></li> <li>• Production of Sustainable, Renewable Biomass-based Charcoal for the Iron and Steel Industry in Brazil, <i>Thiago Araújo Mendes, Ministry of the Environment of Brazil (MMA)</i></li> </ul>
12.30 – 14.00	<b>Lunch break</b>
14.00 – 14.40	<p><b>Recap Session: main results and messages from the previous sessions</b></p> <ul style="list-style-type: none"> <li>✓ <i>Policy developments</i> – <i>Ella Lammers, Netherlands Enterprise Agency</i></li> <li>✓ <i>Food security and bioenergy</i> - <i>Olivier Dubois, FAO</i></li> <li>✓ <i>Family farmers integration</i> - <i>Mariangela Rebuá, Brazil</i></li> <li>✓ <i>Biomass energy development</i> - <i>Martina Otto, UNEP</i></li> </ul>
14.40 – 15.30	<p><b>Round table discussion among policy makers, business sector and international banks/funds – Lessons Learned</b>  <i>Moderator: Pjotr Schade, Everest Energy Group</i></p> <ul style="list-style-type: none"> <li>• Lessons learned from projects developed in Africa</li> <li>• How to best develop a project</li> <li>• How to finance a project</li> <li>• The importance of national/regional stakeholder engagement</li> </ul>
15.30 – 16.00	<b>Coffee break</b>

16.00 – 18.00      **Round table discussion among policy makers, business sector and international banks/funds - Lessons Learned (con't)**

*Moderator: Piotr Schade, Everest Energy Group*

- Lessons learned from projects developed in Africa
- How to best develop a project
- How to finance a project
- The importance of national/regional stakeholder engagement

19.30 – 21.30      **Reception**

<b>Thursday, 8 May 2014</b>
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09.00 – 10.30      **Round table discussion among policy makers, business sector and international banks/funds – Lessons Learned**

*Moderator: Flávio Castelar, APLA/APEX*

- How to best develop a project, *Luke Brouckaert, TSB Biofuel South Africa*
- How to finance a project, *AfDB – African Development Bank, Paulo Roberto Araújo, BNDES – The Brazilian Development Bank*
- The importance of national/regional stakeholder engagement, *Alain Escat, Companhia de Sena – Moçambique; Petrobras Biocombustível*

10.30 – 11.00      **Coffee break**

11.00 – 12.30      **Round table discussion among policy makers, business sector and international banks/funds - Lessons Learned (con't)**

*Moderator: Flávio Castelar, APLA/APEX*

- How to best develop a project, *Luke Brouckaert, TSB Biofuel South Africa*
- How to finance a project, *AfDB – African Development Bank, Paulo Roberto Araújo, BNDES – The Brazilian Development Bank*
- Biofuels under the Clean Development Mechanism, *Thiago Araújo Mendes, Ministry of the Environment of Brazil (MMA)*
- The importance of national/regional stakeholder engagement, *Alain Escat, Companhia de Sena – Moçambique; Petrobras Biocombustível*

12.30 – 14.00      **Lunch break**

14.00 – 14.30      **Update on the SE4All initiative and the Sustainable bioenergy component**, *Gerard Ostheimer, SE4All Bioenergy Lead, Novozymes*

14.30 – 15.30      **Break out groups with policy makers, business sector and international banks/funds**

Participants will be divided into two break out groups for parallel discussions on the main themes discussed during the round tables, including on how to combine sustainability requirements in bioenergy policy development, business interests and funding opportunities.

The discussion will be developed on the basis of case study presentations.

The objective of the break out groups is to develop separate deliverables capturing the essence of the discussions and results. These deliverables will be presented in the plenary, at the closing session.

***Break out group 1 - How to best develop and finance a project in Africa***

*Moderators: Flávio Castelar APLA/APEX and Pjotr Schade, Everest Energy Group*

- The role of sugar mills in bioethanol production and co-generation, *Xinavane Sugar mill*
- Ethanol production for clean cooking in Cote d'Ivoire, *Kante Gauossou, Saphir, Cote d'Ivoire*
- Sustainable biofuel powered buses and trucks – clean and local fuels for Sub-Saharan Africa, *Anthony King, Scania, South Africa*
- Large-scale sugar cane ethanol in Sierra Leone. First RSB certified project in Africa, *Representative from ADDAX*
- Technologies to produce and process sugarcane, *Flávio Castelar, APLA Brazil*

***Break out group 2 - The importance of national/regional stakeholder engagement for projects in Africa***

*Moderators: Gerard Ostheimer, SE4All Bioenergy Lead, Novozymes and Representative from Vale S.A.*

- Biogas from sugarbeet to power a gold mine in South Africa, *Dwight Rosslee, Selectra, South Africa*
- Bioethanol production as an output to optimize sugar industry, *Jorge Manjate, Agriculture Promotion Center*
- GEF/UNEP Cogen for Africa, *Stephen Karekesi, Director of AFREPREN*



- Aviation Biofuels, *Ian Cruikshank, South African Airlines*
- Integrated solar and biomass systems, *Federica Angelantoni, Archimede Solar Energy*

15.30 – 16.00      **Coffee break**

16.00 – 18.00      **Break out groups with policy makers, business sector and international banks/funds (con't)**

<b>Friday, 9 May 2014</b>
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09.00 – 10.30      **Conclusions - Main results and messages of the Bioenergy Week**  
*Chair: Antonio Saide, National Director of New and Renewable Energy, Mozambique*

- ✓ *Policy developments - Ella Lammers, Netherlands Enterprise Agency*
- ✓ *Food security and bioenergy - Olivier Dubois, FAO*
- ✓ *Family farmers integration - Mariangela Rebuá, Brazil*
- ✓ *Wood energy development - Martina Otto, UNEP*
- ✓ *Break out group 1 and Round table discussions - Flávio Castelar APLA, APEX and Pjotr Schade, Everest Energy Group*
- ✓ *Break out group 2 – Gerard Osheimer, SE4All Bioenergy Lead, Novozymes and Representative from Vale S.A.*

10:30 – 11:00      **Coffee break**

11:00 – 12:00      **Closing remarks**

- *Antonio Saide, National Director of New and Renewable Energy, Mozambique*
- *GBEP co-Chair, Mariangela Rebuá, Brazil*