Working Group on Capacity Building

Study Tour for Capacity Building
2\textsuperscript{nd} Bioenergy Week
Maputo, Mozambique, 5-9 May 2014

Programme

Hosted by:
Government of Mozambique

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

09.00 – 09.30  Registration of participants

09.30 – 10.30  Opening Session and Welcome Speeches
Moderator: Maria Michela Morese, GBEP Executive Secretary
- Ambassador of Brazil to Mozambique, Amb. Ligia Maria Scherer
- Embassy of Italy to Mozambique, Francesca Blasone
- GBEP co-Chair, Mariangela Rebuá, Brazil
- Co-Chair of the GBEP Working Group on Capacity Building, Miguel Almada, Argentina
- GBEP Executive Secretary, Maria Michela Morese
- Vice-Minister of Energy of Mozambique, H.E. Jaime Himede

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
- 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 and Frederico Dimas Paiva, Getulio Vargas Foundation
- The role of bioenergy in Asia, Rosemarie Gumera, Philippines

12.30 – 14.00  Lunch break

14.00 – 15.30  Regulatory and policy frameworks for bioenergy
Chair: Kees Kwant, Netherlands Enterprise Agency
- National Bioenergy Strategy in Ghana, Kwabena Otu-Danquah, Ghana
- Regulatory framework for bioenergy in Brazil, Ricardo Dornelles, Ministry of Mines and Energy (MME)
• Strategies for the future of ethanol in Brazil, Carlos Eduardo Martín Mandarino, MDIC, Brazil

15.30 – 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

Tuesday, 6 May 2014

09.00 – 10.30 Food Security and Bioenergy
Chair: Olivier Dubois, FAO
• Agro-ecologic zoning in Mozambique, Simeao Cambaco, Ministry of Agriculture, Mozambique
• The experience in Sudan, Abdelmoneim Taha Ahmed, Sudan
• Bioenergy and Food Security Rapid Appraisal (BEFS RA) in the Philippines, Rosemarie Gumera, Philippines
• 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

• Agri-Energy Cooperative for Family Farming. The Brazilian case, Marcelo de Sousa, International Center on Renewable Energy-Biogás (CIBiogás-ER)

• Social Bioethanol: energy autonomy for rural communities, Gaston Kremer, Green Social Bioethanol

15.30 – 16.00 Coffee break

16.00 – 17.30 Family Farmers Integration in the Bioenergy Value Chain (con’t)

Chair: Mariangela Rebuá, Brazil

• Integrated food and energy system in Malawi, Olivier Dubois, FAO

• Small holders certification in biomass supply chains, Ella Lammers, Netherlands Enterprise Agency

• Smallholders jatropha production in Mozambique, Bachir Afonso, ADDP, Grupo de saneamento

• Smallholder certification as a means to educate smallholders and boost their productivity, Rolf Hogan, RSB

Wednesday, 7 May 2014

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

• Energetic Forests for Sustainable Modern Biomass on Small Rural Properties. The Brazilian case, Marcelo de Sousa, International Center on Renewable Energy-Biogás (CIBiogás-ER) and Toni Vieira, Federal University of Paraná, Brazil

10.30 – 11.00 Coffee break
11.00 – 12.30 **Sustainable Modern Biomass Energy Development** *(con’t)*
Chair: Martina Otto, UNEP
- Technology Transfer: Opportunities and Challenges for Sugarcane Bioethanol Technology in Africa, *Linus Mofor, IRENA*
- Socio-economic impact of improved cooking stoves in Mozambique, *Micas Cumbana, GIZ AMES*
- Potential in microalgae biomass as source of biofuels in developing countries, *Miguel Verhein, Algasol Renewables, Spain*
- Small-scale cellulosic ethanol from sawdust, *Femi Oye, SME Funds, Nigeria*
- Charcoal briquettes and energy saving stoves project in Uganda, *Betty Ikalany, TEWDI*

12.30 – 14.00 **Lunch break**

14.00 – 14.40 **Recap Session: main results and messages from the previous sessions**
*Moderator: Maria Michela Morese, GBEP Executive Secretary*
- **Policy developments** – Ella Lammers, Netherlands Enterprise Agency
- **Food security and bioenergy** - Olivier Dubois, FAO
- **Family farmers integration** - Mariangela Rebuá, Brazil
- **Modern biomass energy development** - Martina Otto, UNEP

14.40 – 15.30 **Round table discussion among policy makers, business sector and international banks/funds – Lessons Learned**
*Moderator: Pjotr Schade, Everest Energy Group*
*Rapporteur: Meghan Sapp, PANGEA*
- 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

15.30 – 16.00 **Coffee break**

16.00 – 18.00 **Round table discussion among policy makers, business sector and international banks/funds - Lessons Learned** *(con’t)*
*Moderator: Pjotr Schade, Everest Energy Group*

19.30 – 21.30 **Reception**
Thursday, 8 May 2014

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 finance a project, Daniel Vivas, BNDES (Brazilian Development Bank), Africa
- The importance of national/regional stakeholder engagement, Raquel Capistrano, Petrobras Biocombustível
- Guilherme Nastari, Datagro
- Celso Procknor, PROCKNOR

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

12.30 – 13.00  Update on the SE4All initiative and the Sustainable bioenergy component  
Gerard Ostheimer, SE4All Bioenergy Lead, Novozymes

13.00 - 14.30  Lunch break

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
- Ethanol production for clean cooking in Côte d'Ivoire, Kante Gaoussou, Saphir, Côte d'Ivoire
- Bioethanol production as an output to optimize sugar industry, Jorge Manjate, Agriculture Promotion Center
- Sweet sorghum. A case study in Uganda, Tom Maate Wa’ Bukombi, Green Investments
- Case scenario

Break out group 2 - The importance of national/regional stakeholder engagement for projects in Africa
Moderators: Gerard Ostheimer, Novozymes, and Cedric Lemarie, VALE
- Biogas from sugarbeet to power a gold mine in South Africa, Dwight Rosslee, Selectra, South Africa
- Sustainable biofuel powered buses and trucks – clean and local fuels for Sub-Saharan Africa, Anthony King, Scania, South Africa
- Cedric Lemarie, VALE

15.30 – 16.00 Coffee break

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

Friday, 9 May 2014

09.00 – 10.30 Conclusions - Main results and messages of the Bioenergy Week
Moderator: Maria Michela Morese, GBEP Executive Secretary
- Food security and bioenergy - Olivier Dubois, FAO
- Family farmers integration - Maria Michela Morese, GBEP Executive Secretary
- Modern biomass energy development - Martina Otto, UNEP
- Break out group 1 and Round table discussions - Flávio Castelar, APLA/APEX and Meghan Sapp, PANGEA
- Break out group 2 – Gerard Ostheimer, Novozymes

10:30 – 11:00 Coffee break
11:00 – 12:00  **Closing remarks**
- Antonio Saide, National Director of New and Renewable Energy, Mozambique
- Maria Michela Morese, GBEP Executive Secretary

12.00 – 14.00  **Lunch**