

Biomass & BioEnergy AFRICA

28-29 September 2017 / Johannesburg, South Africa
Radisson Blu Hotel Sandton

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Day One - Thursday, September 28th

- 08:00 Registration
- 09:00 Chairman's Welcome Remarks
*Oliver Mauss, Managing Director
Asia Resource Partners Pte. Ltd.*
- 09:10 **Eskom's Biomass Co-Firing Strategy**
- Torrefaction enables Eskom to co-fire biomass in existing power stations
 - Eskom is developing a first torrefaction plant to supply its Arnot power station with biomass
- Yokesh Singh, Senior Manager
Production Engineering Integration – Coal
Eskom Holdings*
- 09:45 **Boosting Bioenergy (Renewable Energy) Electrification in Africa**
- Elizabeth Muguti, Principal Operations Officer
(Power Engineer)
African Development Bank Group (AfDB)*
- 10:15 **Sustainable Swaziland: How Optimising the Biomass Value Chain Can Secure A Country's Future Energy Supply**
- Challenges & Opportunities with Leveraging Biomass Power as Swaziland's Future Baseload Power Supply
 - The Untapped Potential of Swaziland's Renewable Resources
 - Economic Upliftment through Smallholder Forestry & Biomass Value Chain
- Kelly Cure, Head of Strategic Initiatives
Montigny Investments Ltd*
- 10:50 Discussion & Networking Coffee
- 11:30 **Biomass Power Capacity Growth in Namibia – Drivers for Growth, NamPower's Case Studies, Opportunities & Challenges**
- Dr. Grant Muller, Head of Generation Projects
Namibia Power Corporation (Pty) Ltd*
- 12:00 **Case Study – Implementing 32 MW Biomass Power in Sierra Leone**
- Economic Drivers

- Sustainable Feedstock Production
 - Community Engagement
 - Regional Roll-Out
- Bheki Chatira, General Manager Sierra Leone
Sunbird Bioenergy*

12:30 Discussion followed by Networking Luncheon

14:00 Afternoon Chairman
*Maarten Herreburch, CEO
Blackwood Technology B.V.*

14:05 **Economics of Biofuel (Ethanol) Production & Sustainable Energy Processes in the Sugar Mill Operations (Based on the Case Study from Kakira Sugars)**

*Makarand Arvind Joshi, Assistant General Manager (Business Development, Africa)
Praj Industries (Africa) (Pty) Ltd*

14:35 **Biomass & Waste Valorization through Thermo Chemical Conversion**

- Biomass sustainability & upgrading
- Biomass co firing
- Biomass for CHP applications

*Berend Vreugdenhil, Innovation Manager,
Biomass Gasification
Energy Research Centre of the Netherlands (ECN)*

15:05 Discussion & Networking Tea

15:35 **Combined Heat & Power (CHP) Technology for Localised Energy Generation & Industrial Utilisation**

- Localised bioenergy supply as safe & green energy option for industries
- Increased efficiency from utilisation of locally available biomass
- More value added from processed biomass

*Marko Nokkala, Key Account Manager
VTT Technical Research Centre of Finland - HQ*

16:10 **Benefits of Torrefaction for Co-Firing of Biomass in Coal Power Stations**

- Blackwood pellets® have been successfully co-fired in pulverized coal power stations

- Torrefaction positively impacts the whole biomass-to-energy supply chain
- Maarten Herreburch, CEO
Blackwood Technology B.V.*

16:45 Discussion followed by End of Day One

17:00 - 18:00
Networking Cocktail Reception
for ALL Speakers & Participants

Day Two - Friday, September 29th

- 09:00 Chairman's Welcome Remarks
*Marko Nokkala, Key Account Manager
VTT Technical Research Centre of Finland - HQ*
- 09:05 **Commercial Biogas Development & Growth in South Africa – Prospects & Challenges**
- Eddie Cooke, Vice Chairman
Southern African Biogas Industries Association*
- 09:35 **Field Experiences on Current Progress of Biogas Project & Regulatory Challenges in Ghana**
- Dr. Elias Aklaku, President
Biogas Association of Ghana*
- 10:05 Discussion & Networking Coffee
- 10:40 **Wood Pellet Export Opportunities for African Producers - Overview of Pellet Market & Future Outlook**
- Dr. Hannes Lechner, Senior Principal
Pöryr Management Consulting (UK) Ltd.*
- 11:10 **Wood Chip Production & Export Outlook from South Africa**
- John Swaine, General Manager,
Timber Exports & New Business
TWK Agriculture LTD*

11:40 **African Biomass: Opportunities for Export & Development of the African Biomass Power Value Chain**

*Oliver Mauss, Managing Director
Asia Resource Partners Pte. Ltd.*

12:10 **Setting Up Biomass Export Operations from West Africa**

- Logistic considerations and common challenges of innovating in West Africa
- Sustainability and the myriad of certification schemes – how to get certified
- The European market – is there an outlet for the abundance of biomass we can produce?

*Mohammed Salfar
Director of the Biomass Energy Department
Africa Renewables Ltd (AfriRen)*

12:45 Final Discussion & Closing Luncheon

14:15 End of Conference

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