

Driving Post-mining Industrial Development through Fibrous Multi-product Value Chains

Towards Resilient Futures Community of Practice Workshop

Date: 24th May 2019

Location: Radisson Blu Gautrain Hotel - Cnr Rivonia Rd & West St, Sandton

Workshop Objectives

- Outline the fundamental aspects of mine rehabilitation - soil, water, climate, contamination.
- Assess the cultivation potential of degraded mine land for the growth of bamboo and bast fibre crops like hemp and kenaf.
- Evaluate and compare product options for bamboo and bast fibre crops.
- Investigate and identify the processing routes for bamboo and bast fibre crops – from harvesting to downstream processing.
- Understand and engage on related key projects in South Africa.

Workshop Programme

9:00 - 9:30	Registration
9:30 - 9:45	Introduction & welcome Jennifer Broadhurst
SESSION 1	Mine rehabilitation and crop cultivation
9:45 - 10:05	Can fibre-rich plants serve the joint role of remediation of degraded mine land and fuelling of a multi-product value chain? CeBER team
10:05 - 10:25	Crop cultivation and plant remediation – The fundamentals <ul style="list-style-type: none">- How to prepare soil for effective growth of fibre plants?- Water management for fibre plants- Challenges of growing fibrous plants on contaminated land Wayne Truter (University of Pretoria)
10:25 - 10:45	Fibre crops cultivation: Current growth initiatives in South Africa Graham Thompson & Tilla van der Westhuizen (Agricultural Research Council)

10:45 - 11:10	Q & A
11:10 - 11:30	TEA BREAK
SESSION 2	Crop to products
11:30 - 11:50	Overview of downstream options for the recovery of value from fibre-producing plants Minerals to Metals team
11:50 - 12:10	Developing plant fibre-based products for industrial sectors - Overview of South Africa's fibre industry Maya John (CSIR)
12:10 - 12:30	Bamboo value chain opportunities within the South African market Adrian Sutton (Afribam) & Rosemary Falcon (WITS)
12:30 - 12:55	Q & A
12:55 - 13:55	LUNCH
SESSION 3	Round tables and discussions
13:55 - 14:55	Round Table sessions – Answering the key questions <ol style="list-style-type: none"> 1. Mine rehabilitation 2. Fibre crop cultivation 3. Bast fibre product recovery 4. Bamboo product recovery <i>Table rotation every 15 minutes</i>
14:55 - 15:15	Round table feedback
15:15 - 15:30	TEA BREAK
15:30 - 15:50	The Green Engine: Driving life after coal Ritva Muhlbauer (Anglo Coal)
15:50-16:00	Closing remarks