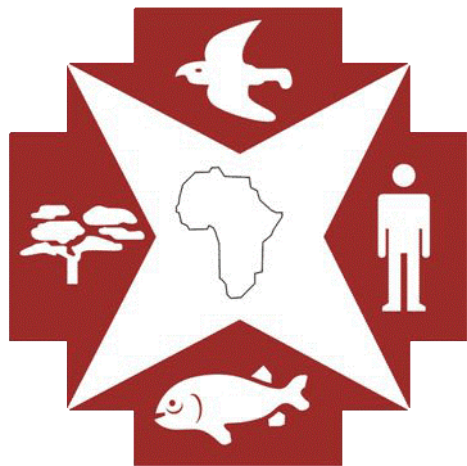


# Institute of Waste Management of Southern Africa Western Cape Branch Report 2016



Compiled by Margot Ladouce  
Presented by Stephan Morkel

# Western Cape Branch Committee



- Who are we?



Chair: Margot Ladouce



Vice Chair: Stephan Morkel



Treasurer: Richard Emery



Branch Manager: Linda Campbell



WMRIG: Kirsten Barnes



CTIG: Stephan Morkel



LAWTIG: Pieter Kriel



Training: Adrian Campbell



Events/Membership: Oliver Bonstein



Community Projects: Shaun Devine



Resource Optimisation: Sally-Anne Käsner (Co-opted)



Resource Optimisation: Susanne Karcher (Co-opted)

# LANDFILL AND WASTE TREATMENT INTEREST GROUP (LAWTIG) Highlights for this period



## Landfill 2015 - 'Advances in Waste Treatment and Engineered Landfill Environment'

- Attended by 110 delegates
- Topics included Landfill Construction and Operations, Waste Transportation, Climate Change Mitigation Monitoring and Evaluation, Waste to Energy and Refuse-Derived Fuels, to name a few.
- Practical, interactive and relaxed



## February 2016 - Pilot Project - Pyrolysis Seminar

- Event attended by 85 professionals
- Presentation on the project by the Japanese team;
- DEADP also presented on the Air Emissions Requirements
- Site visit by the City of Cape Town operational team.



## Events planned

- 8 November 2016 – University of Stellenbosch Business School : Landfill Operations in the 21st Century – Speaker Leon Grobbelaar
- March 2017
- 1. Landfill closure and energy generation 2. Anaerobic Digestion event in association with GIGSA and presentation by Peter Legg

# COLLECTIONS AND TRANSPORTATIONS INTEREST GROUP (CTIG) Highlights for this period



## October 2015 – Composting Event

Visit to Reliance Compost and the Corona Soil Rehabilitation Farm, Understand the current systems with respect to organic waste composting provided a ideal platform for networking and discussion



## July 2016 Site Visit of facilities relating to the handling of hazardous waste in the City of Cape Town”

- Visit to hazardous waste landfill at Vissershok to observe disposal practices
- Athlone Household hazardous facility visit site to view the design elements of a household hazardous waste drop-off facility



## August 2016 – Visit to Mpack Atlantis

- Presentation on production of plastic wheelie bin waste containers with the specific focus on the use of recycled plastics
- Update given on City's roll out of the RFID bin tagging - The 50/50 wheelie bin received the 2015 SAPRO trophy for the Recycled Product of the Year
- Visit to Mpack Factory in Atlantis



# WASTE MINIMISATION AND RECYCLING INTEREST GROUP (WMRIG)

## Highlights for this period

THE WASTE MINIMISATION AND RECYCLING INTEREST GROUP



WMRIG

INSPIRE. DISCOVER. TOGETHER – A WORLD WITHOUT WASTE.



### October 2015 – Workshop on Informal Waste Sector Integration”



- CSIR, GreenCape and WMRIG convened a workshop looking at challenges of the informal sector as well as inclusive models to support, develop and value the sector
- Prof Catherina Schenck of UWC, Prof Deric Blaauw of NWU and Prof Linda Godfrey of the CSIR and Suzall Timm of UCT presented on their research and barriers
- Various models in the private sector were also presented
- Inclusive models need to be ensured for private sector by government
- Training and support key with engagement of formal sector too.

### April 2016 Follow-up to Pyrolysis –“Do thermal technologies have a role to play in the South African waste economy?”



Dr Brett Cohen of The Green House facilitated the expert presentations from Sonja Boshoff of the University of Stellenbosch – an overview of thermal technologies for waste to energy applications.

Anton Hanekom of PlasticsSA – thermal technologies and the plastics industry, and Tawanda Sango of GreenCape – selecting appropriate technologies for the job – a decision support tool for integrated waste management planning. Dr Jefry Pilusa of JG Afrika (was Jeffares and Green) and Prof Harro von Blottnitz of UCT also joined the expert panel for discussion.

### September 2016 – Food waste the forgotten Waste stream.



- Western Cape WMRIG’s mini expo – seminar, as it was billed, attracted 76 delegates on a cold and wet morning to the Tygervalley Nature Reserve to hear some impressive speakers
- Home composting presentation by Alison Davison from City of Cape Town
- Diversion of organic waste - by Eddie Hanekom from DEADP
- ZTL Organics owner Melanie Ludwig presented on transportation and processing of organic streams
- Exhibition was also held by SMME

# OTHER PORTFOLIOS



- **Training**
  - Hazardous waste training is ongoing
  - Beneficiation training as well as IWMSA approved training currently rolled out
- **Community**
  - Blackriver community event planned for November 2016
- **Branch Events/ Membership**
  - Legislation Seminar – 25 August. Daniel Weber from Eco-impact
  - End of year function – Waste Quiz at Biodiversity Social Garden in Green Point
  - Youth campaign being rolled out to Universities

# PLANNING GOING FORWARD



- LAWTIG – Anaerobic Digestion seminar as mentioned
- Online Training – LAWTIG supporting operational module which is in discussion
- Beneficiation opportunities - roll out of this through the Resource Optimisation portfolio with emphasis on current trends and best practice – looking at the material management approach
- WMRIG focus on engaging with members on the policy and legislation changes in 2016/2017 again for e.g. Norms and standards for sorting, shredding, grinding, crushing, screening or baling of general waste to be published shortly.
- CTIG exploring options to visit new waste management facility such as the Bellville Refuse Transfer station and WasteMart waste to energy facilities as possible events and engagement on these types of topics.
- Branch expanding presence to West Coast area with event on Industry WMP and IDZ in Saldanha early in 2017
- Organic waste management – WMRIG event stimulated discussion on support/forum for this waste stream and the IWMSA WC Branch is investigating