

# African Utility Week

Clean Power Africa

The largest global meeting place from African Utilities

17 - 19 May 2016

Cape Town, South Africa



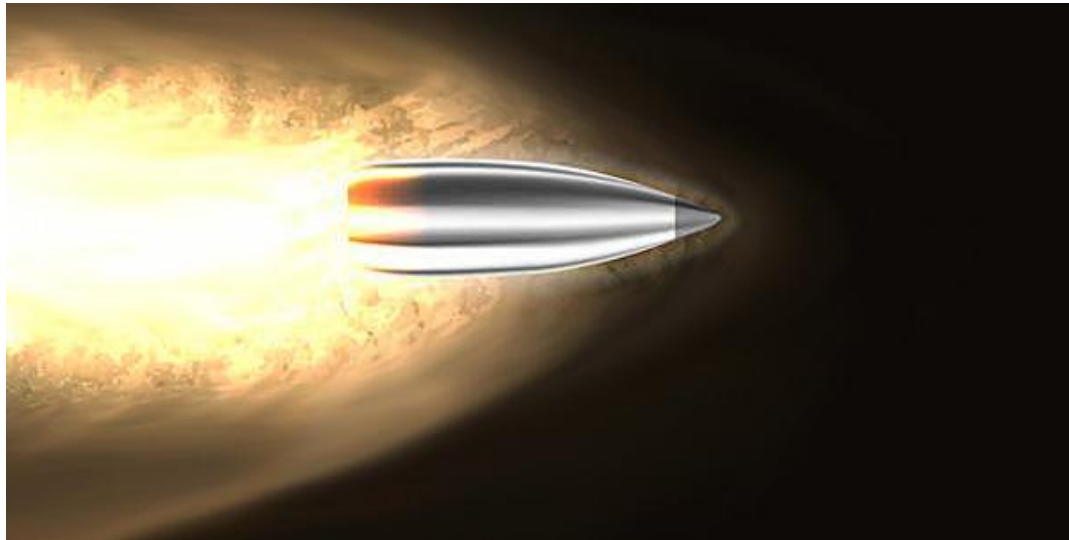
## Waste – The Green Silver Bullet

- Sam Bennett
- Waste Specialist
- GCX Africa
- South Africa



**GCX AFRICA**  
making business better

# Waste – The **Green** Silver Bullet?



# Discussion Topics

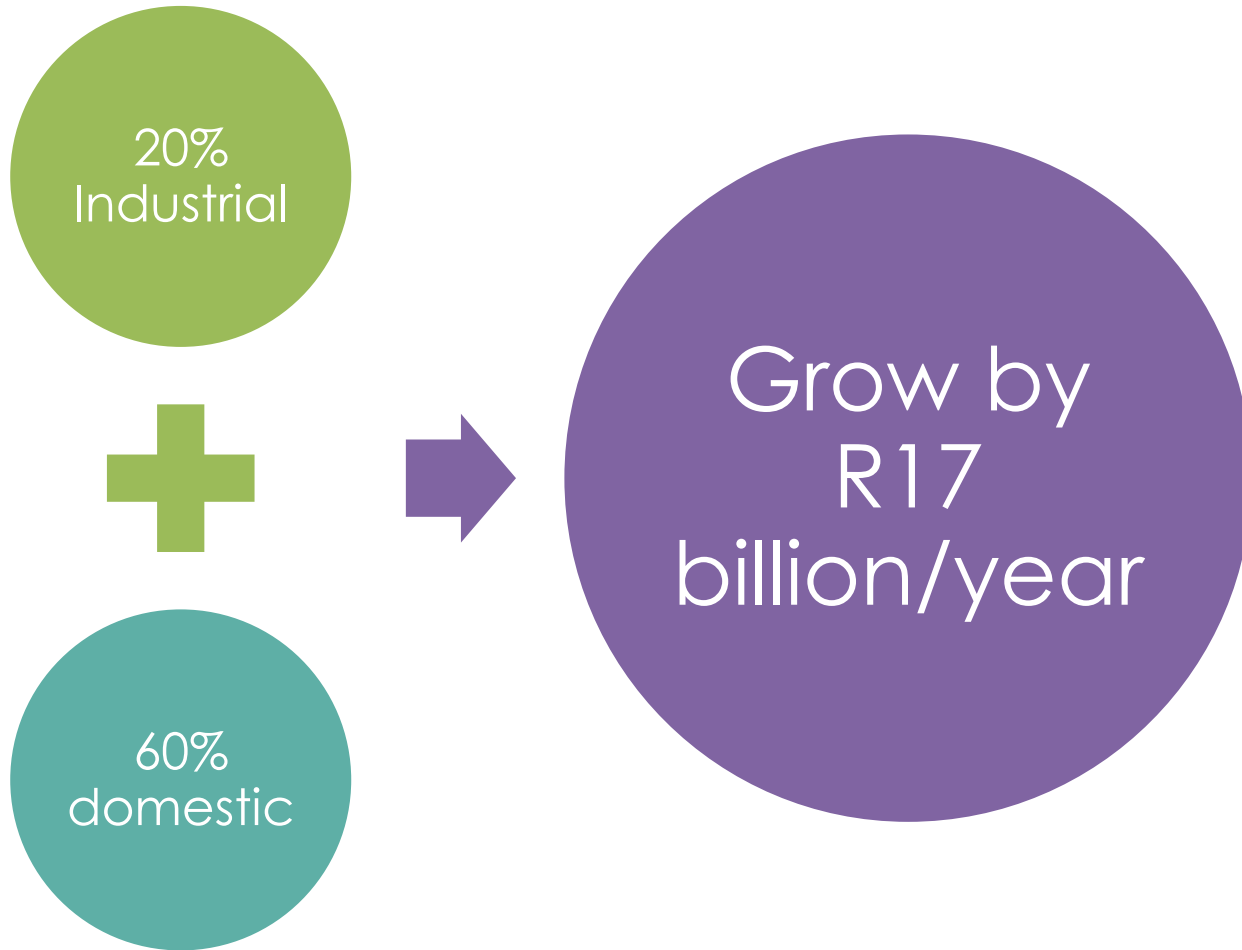
- National Context
- Sector Opportunities
- Food Waste
- Life Cycle Opportunities
- Drivers for Change
- Obstacles
- How do we fix this?
- Sh^t Mountain – A case study



# National Context



# Sector Opportunities – Landfill Diversion



# Food Waste

Impact on  
poor

Impact on  
soil

Impact on  
Water

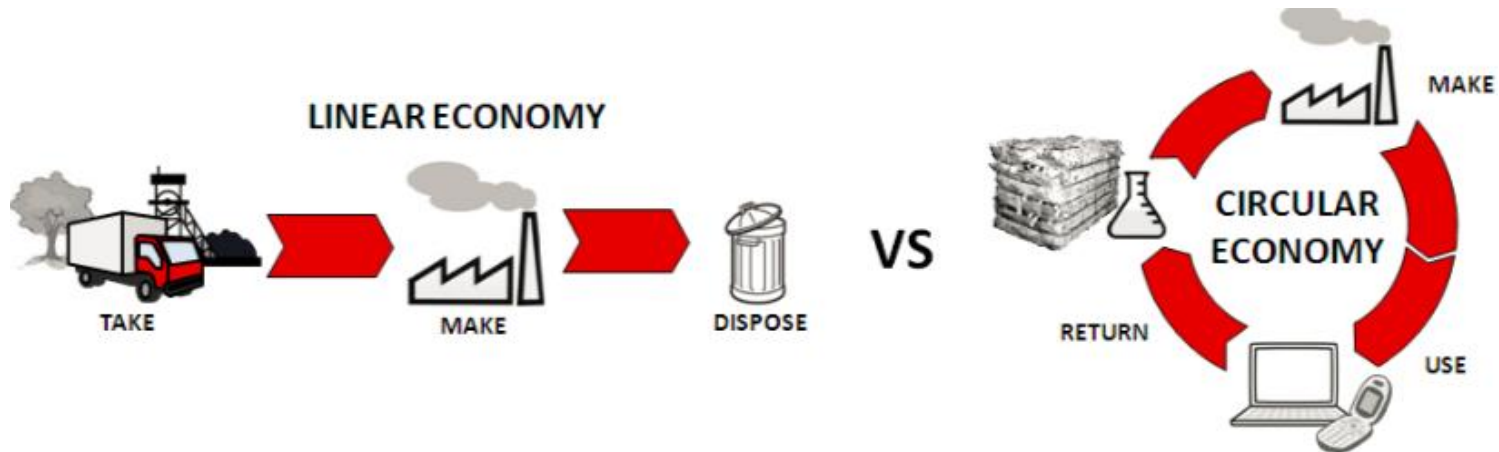
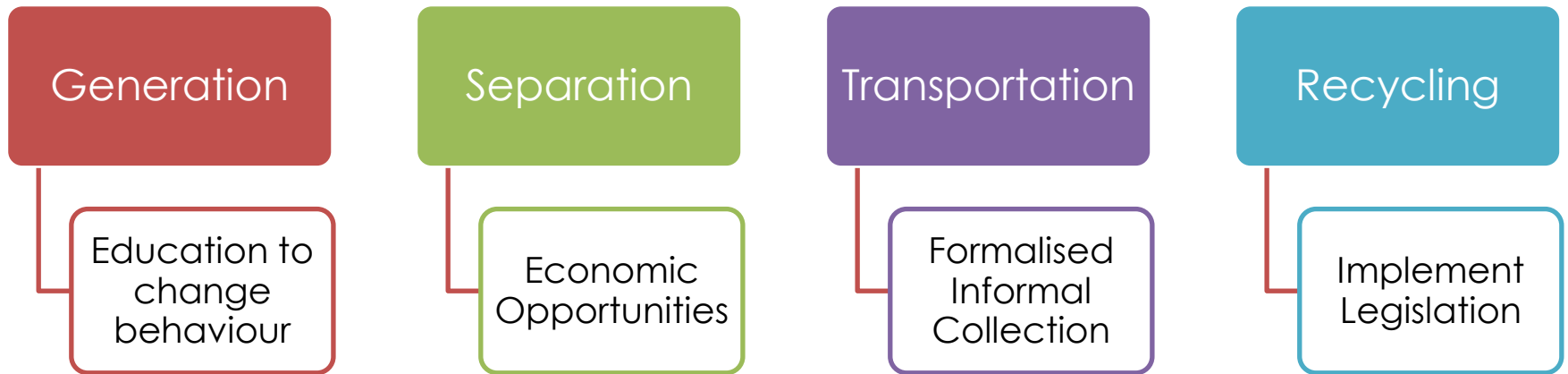
Main Contributors:  
Storage, Manufacturing  
& Distribution.

Ends up in  
landfills -  
Methane

9 million tons of food  
wasted annually.

# Life Cycle & Opportunities

## Potential - 17 Billion Rand Industry



# Drivers for Change – Is there Life after Landfill?

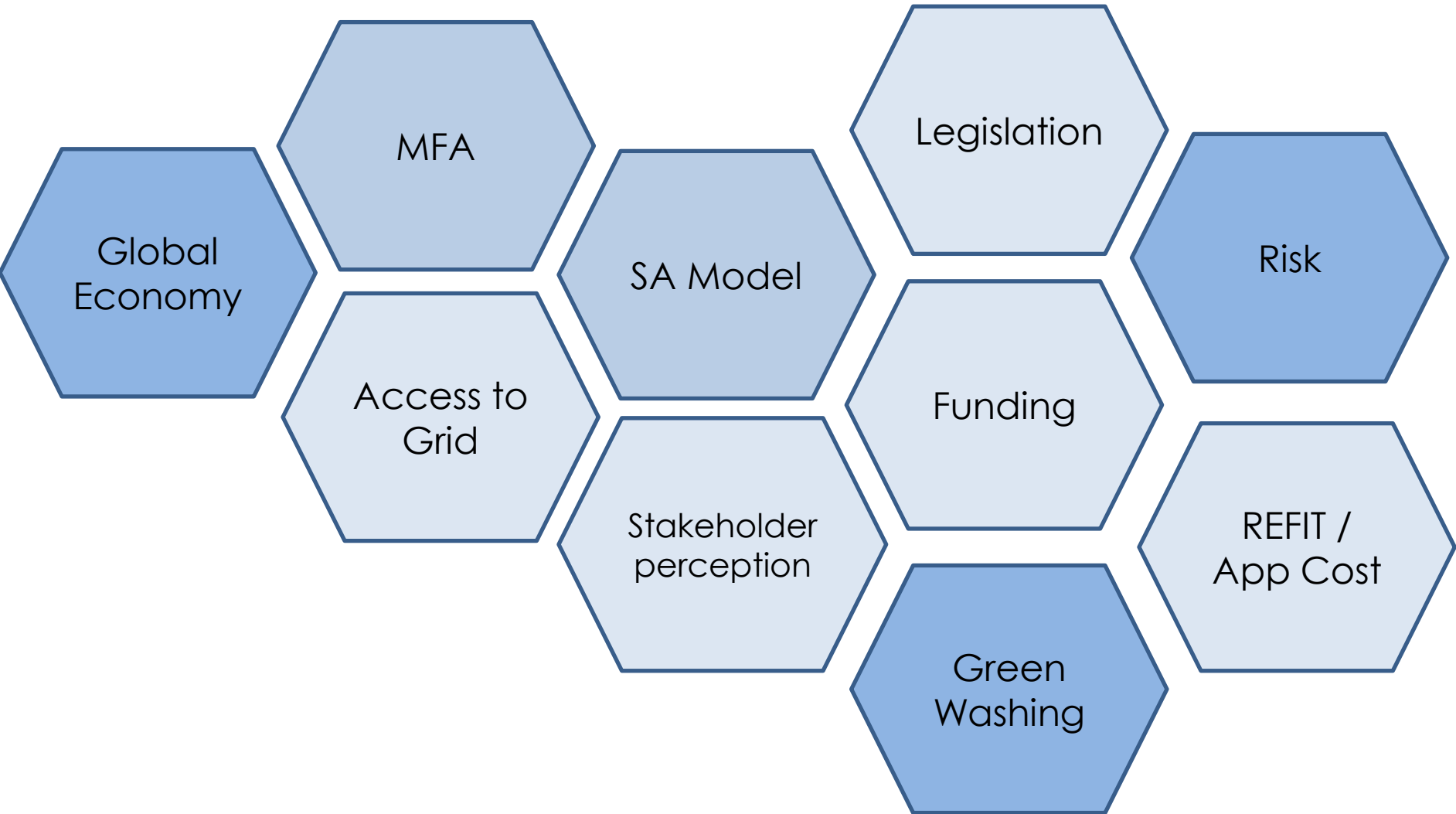
- Cost and Landfill space
- Corporate compliance & targets
- Job creation
- Government Incentives (REFIT)
- Energy cost
- Impact on Climate Change



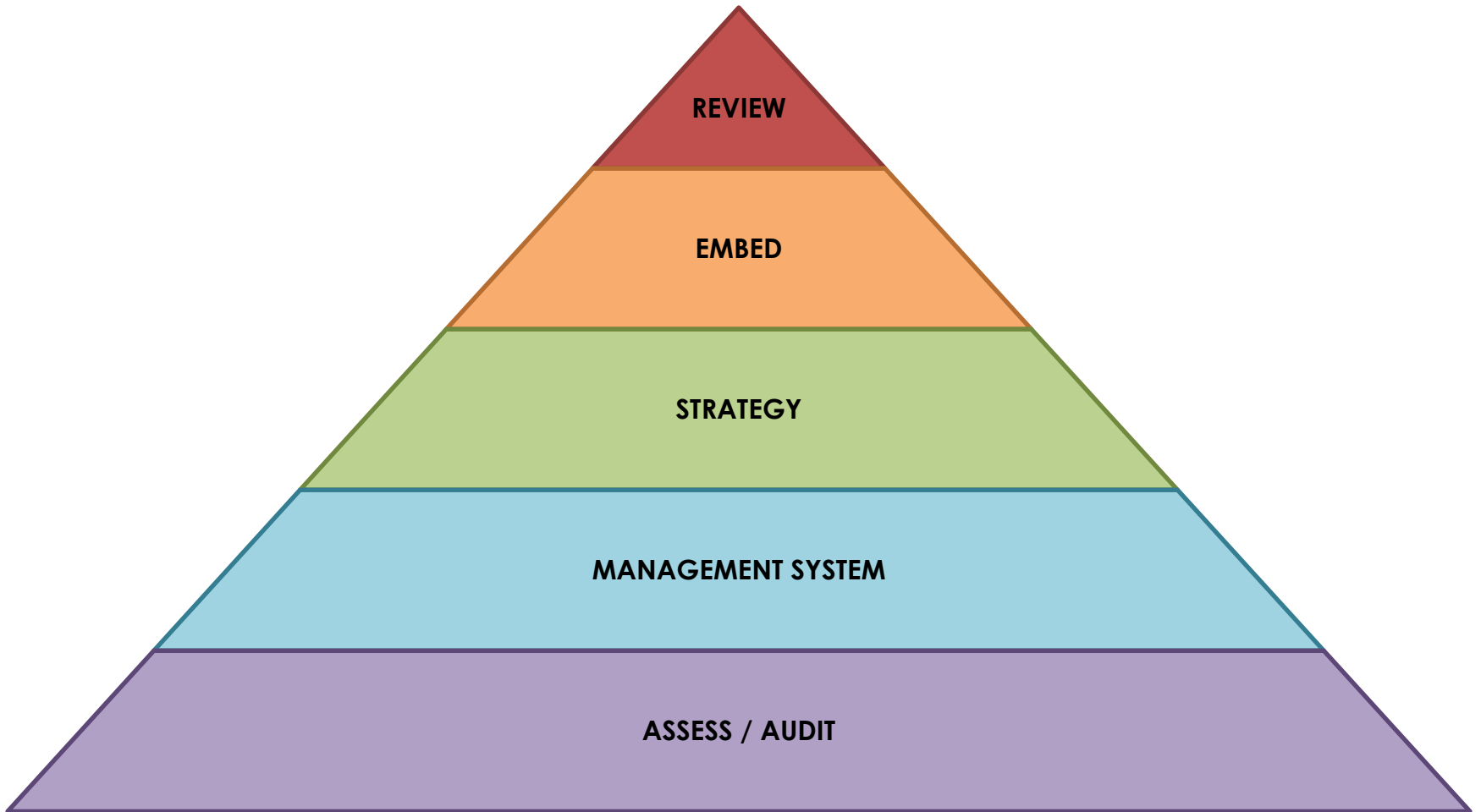
Giant ash dam next to Eskom power station. The horizon is completely obscured by smog (Photo: M Fourie)



# Obstacles



# How do we fix this?



# What's possible?



# Discover. what's possible

Energy value of general waste disposed of at landfill in South Africa has the ability to generate baseload electricity up to 6700 MW

Koeberg provides for 1600MW