



**By 2030 eThekweni will be Africa's
most caring and liveable city**



Innovative Opportunities in Waste Management

by
Zama Khuzwayo



Buffelsdraai Landfill Footprint and Buffer Zone Project'

Reed Beds

**Awarded a Gold
Certificate for 'Best
Public Service
Implemented
Programme of the
Year', 2015**



Green Economy

Growth of local
Green Economy



Social upliftment

Improved livelihoods:

- Job creation
- Food security
- Education



Climate Change Adaptation

Improved resilience
of communities and
ecosystems to
climate change
(e.g. water supply)

CO₂ offset project offering
climate change mitigation
delivered on climate change
adaptation



Climate Change Mitigation

e.g. Reforestation



Ecosystem restoration

Wetland and forest
rehabilitation; Invasive
Alien Species control

- Conservancy status obtained in 2016 (Reg.C2016/006)
 - Ensures a high standard of management activities within landfill footprint and buffer zone



New signage for the site

AFRICA'S FIRST LANDFILL GAS CDM PROJECT



**MARIANNHILL &
BISASAR
LANDFILL SITES**



>2,7 Million Tons CO₂ equivalent
Sequestered to date

Electricity Supply to 3 750 small
households

>\$13.8 Million worth of electricity
generated to date



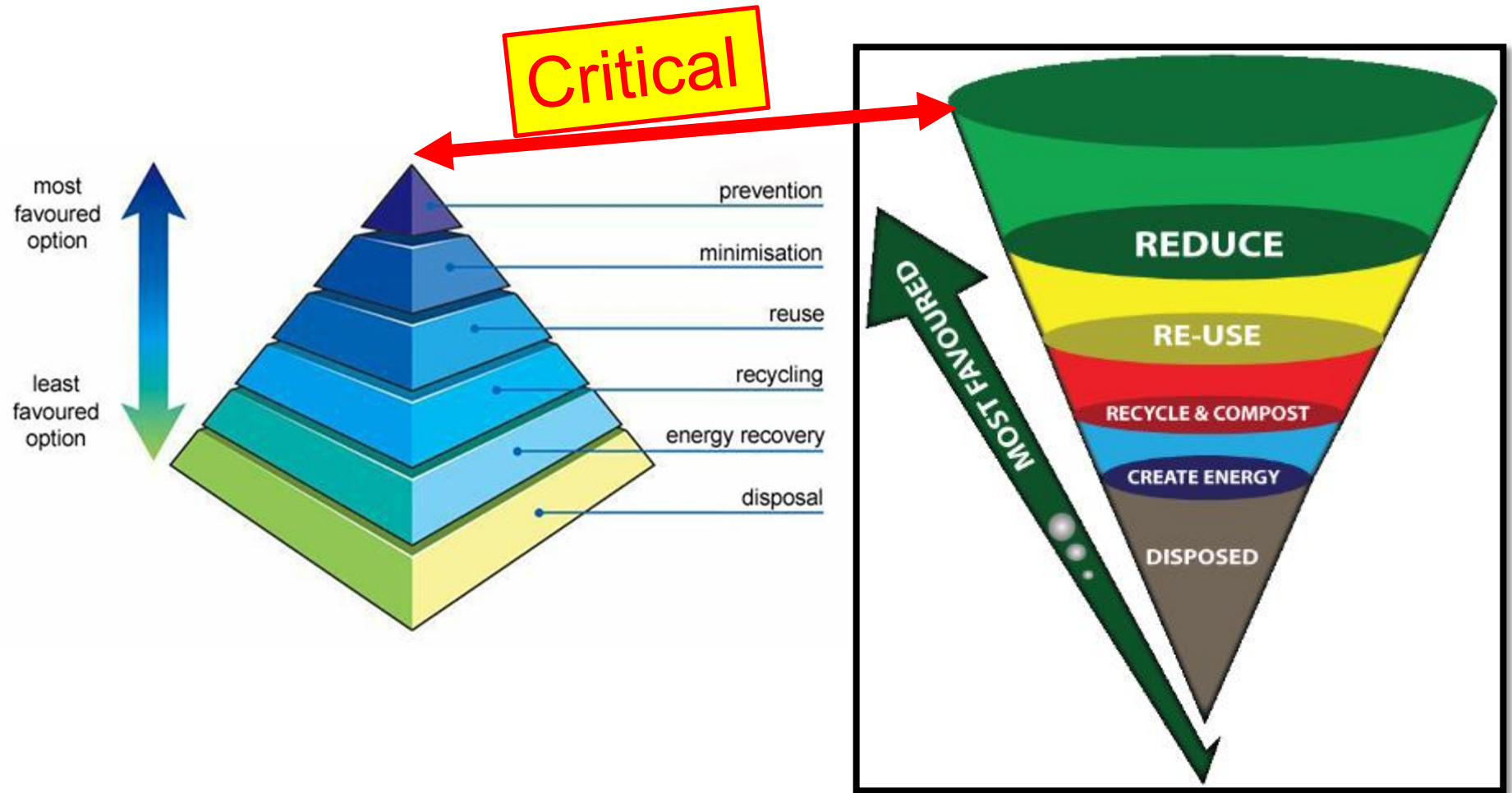
Training African Cities

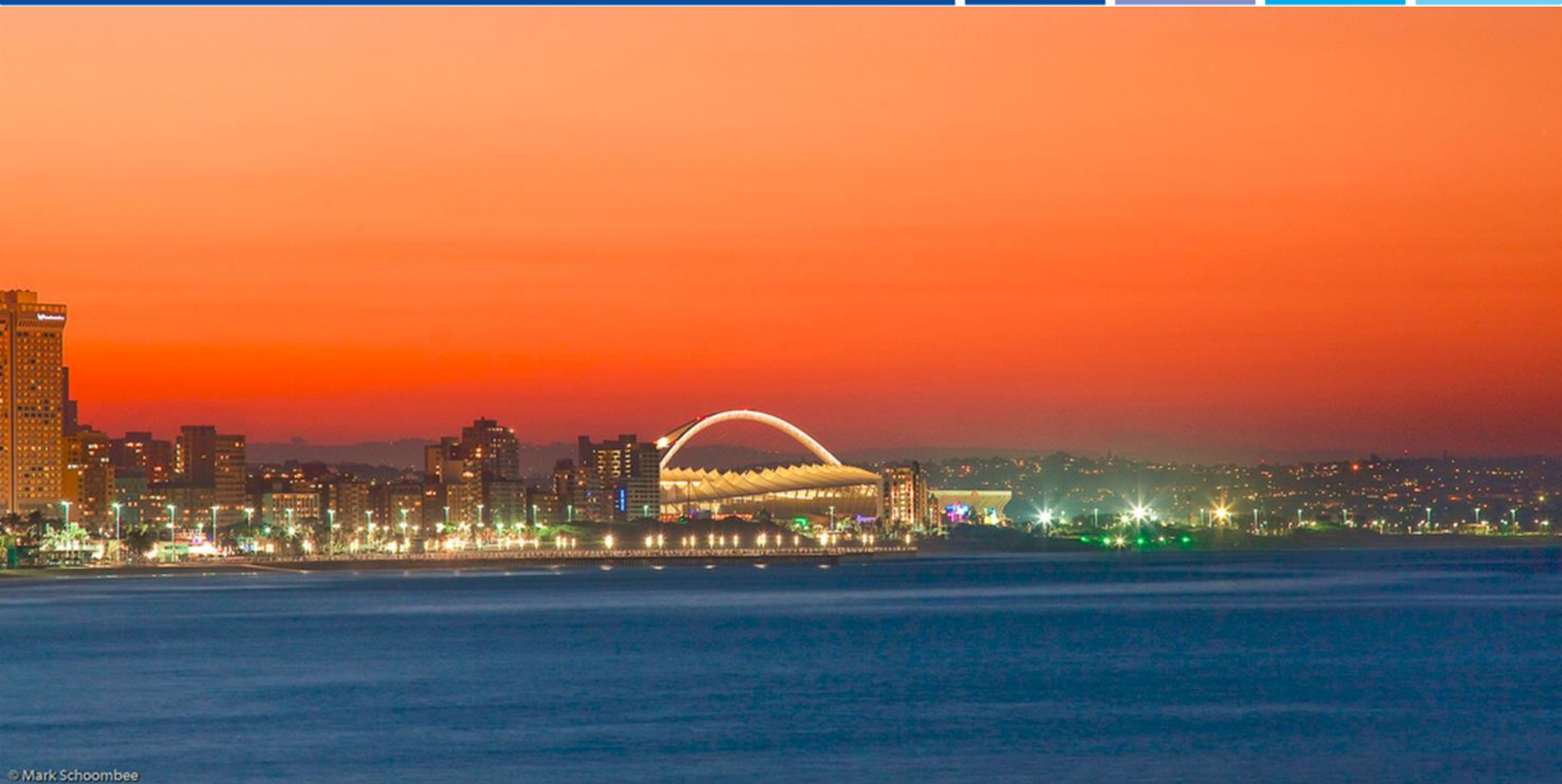


2017 Award



Desirable Waste Hierarchy Adoption





Thank you