



**Western Cape
Government**

Environmental Affairs and
Development Planning

BETTER TOGETHER.

WESTERN CAPE WASTE STATUS

Eddie Hanekom

Evolution of South African Waste Legislation

SA waste legislation

- **1989 – 2001 - Age of Landfilling**
- **2002 – 2011 - Emergence of Recycling**
- **2012 – Currently - Drive for Extended Producer Responsibility**

Evolution of South African Waste Legislation



Age of landfilling



Evolution of South African Waste Legislation



Emergence of recycling



2002

Plastic Regs & MOU

2003

ECA amend def. of waste
Plastic bags regs

2004

Nat Air Quality Act
Implement NWMS

2005

Est Green Scorpions
Glass MOA
Radioactive waste management policy

2006

Permitting
function transfer

2007

SAWIS est

2008

NEMWA
Asbestos Regs

2009

2nd Goods Act
NEMWA came into effect
Waste tyre Regs
Listed waste management activities
Thermal waste management policy

2010

Policy on economic instruments

2011

Amendment to plastic levy
Model waste by-law
Refuse removal services at indigent households
Domestic waste collection standards

Evolution of South African Waste Legislation



Drive for EPR



2012

2nd NWMS
Municipal solid waste strategy
REDISA Tyre IndWMP
Waste Information Regs
Municipal Waste Sector Plan

2013

NEMLA Act 14
Nat N&S landfill gas; scrapping motor vehicles; storage of waste; assessment for landfill disposal & landfill & Waste Classification Regs
Amendment of plastic bag levy
Amendment of listed waste activities

2014

NEMLA
Part 8 of NEMWA come into effect (contaminated land)
Nat N&S remediation of contaminated land
NEMWA amendment
Fee structure for WMLs

2015

Amendment of listed waste activities
Admission of guilt fines
Residue stockpiles and deposits Regs

2016

Amendment of WIS Regs
Waste Pricing Strategy
Waste Bureau
Amendment Waste Tyre Regs
Notice intention to register waste transporters on SAWIS
Dangerous Goods Act
Notice intention to call for P&P, WEEE & Lighting IndWMP

2017

Amendment of listed waste activities
Nat N&S sorting, shredding, grinding, crushing or bailing of general waste
Tyre industry to prepare IndWMP
Consultation on withdrawal REDISA Tyre IndWMP

*'Waste is just a
resource that's
in the wrong
place.'*

BACKGROUND REGIONALISATION

WC 2nd generation Integrated Waste Management Plan developed 2017

■ Guide waste management in the WC

■ Vision

- Building a resource-efficient society that ensures a clean environment.

■ Mission

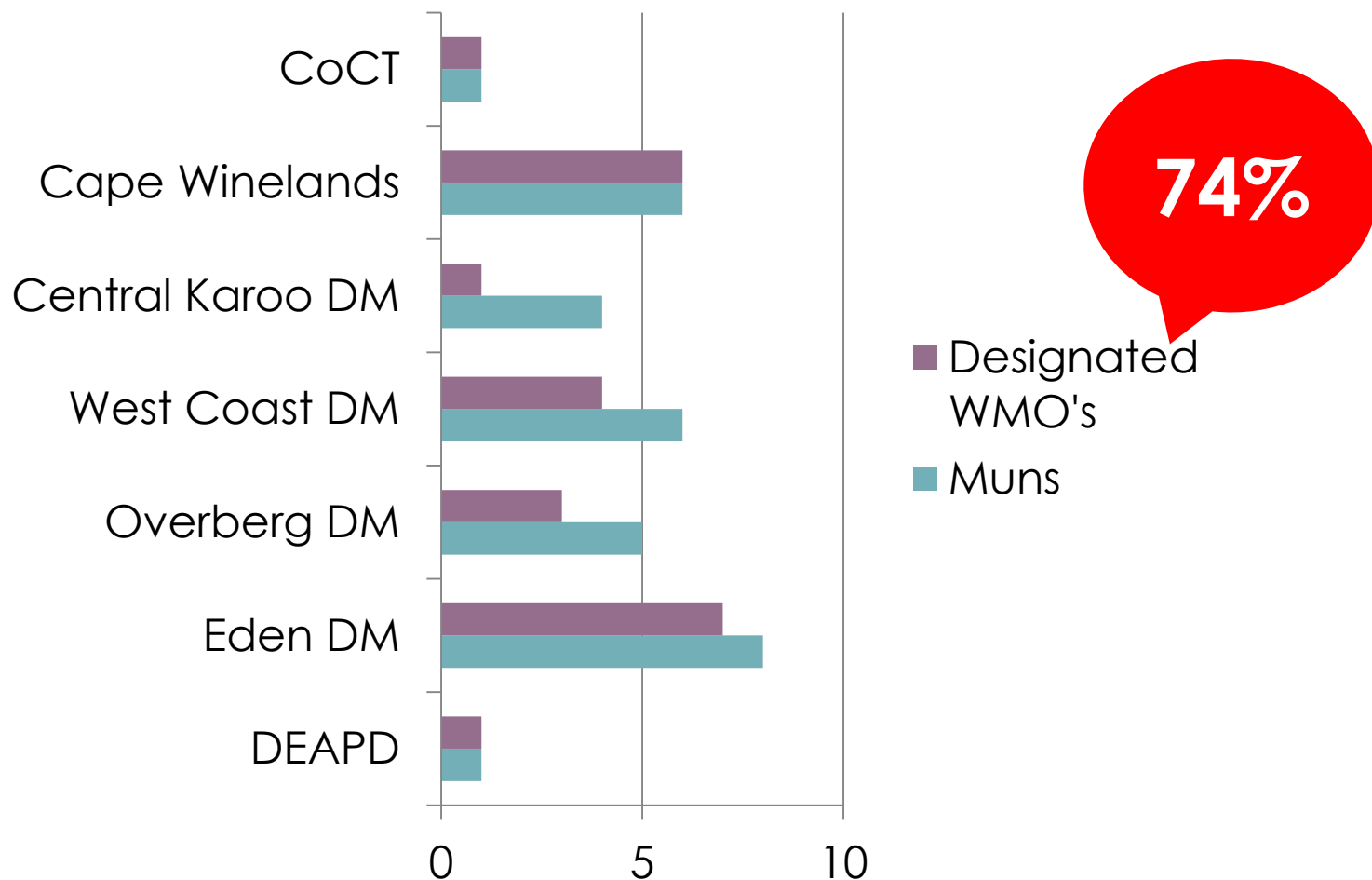
- Building a resource-efficient society that recognises the value of waste, supported by affordable, appropriate services, technologies, and infrastructure through partnerships that will benefit communities, the economy and the environment.

■ Goals

- 4 new goals, each with a number of objectives, were developed in response to the prioritised needs and have been captured in an implementation plan. The implementation plan provides a number of actions for implementation.
 - Strengthened education, capacity and advocacy towards Integrated Waste Management;
 - Improved integrated waste management planning and implementation for efficient waste services and infrastructure;
 - Effective and efficient utilisation of resources; and
 - Improved compliance with environmental regulatory framework.



Status of designated Waste Management Officers: WC



Municipal IWMP assessment analysis

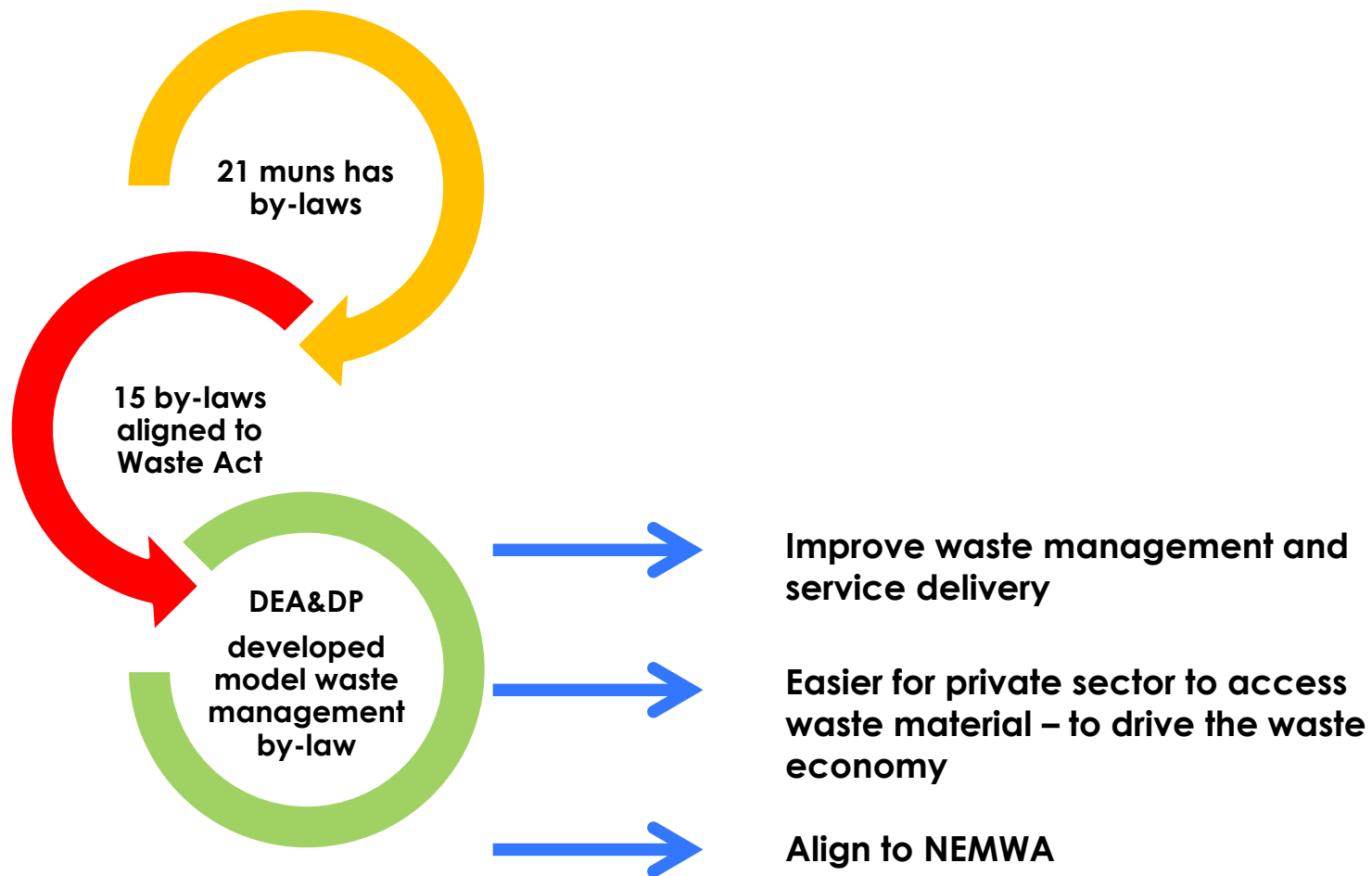
All 30 muns have 2nd generation plans

Ave assessment
score - 48%

Lowest
assessment
score - 14.5%

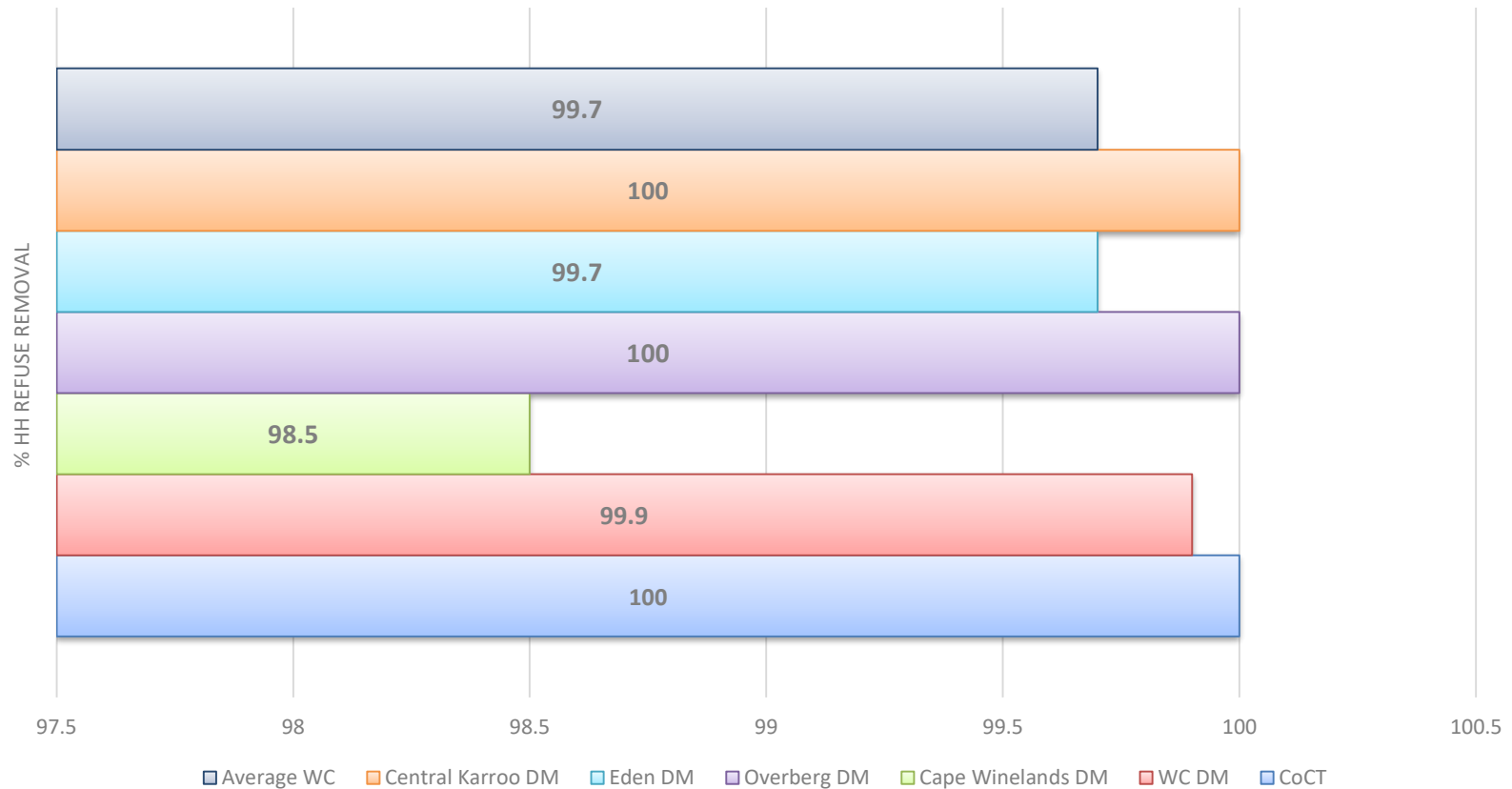
Highest
assessment
score - 90%

Status municipal by-laws



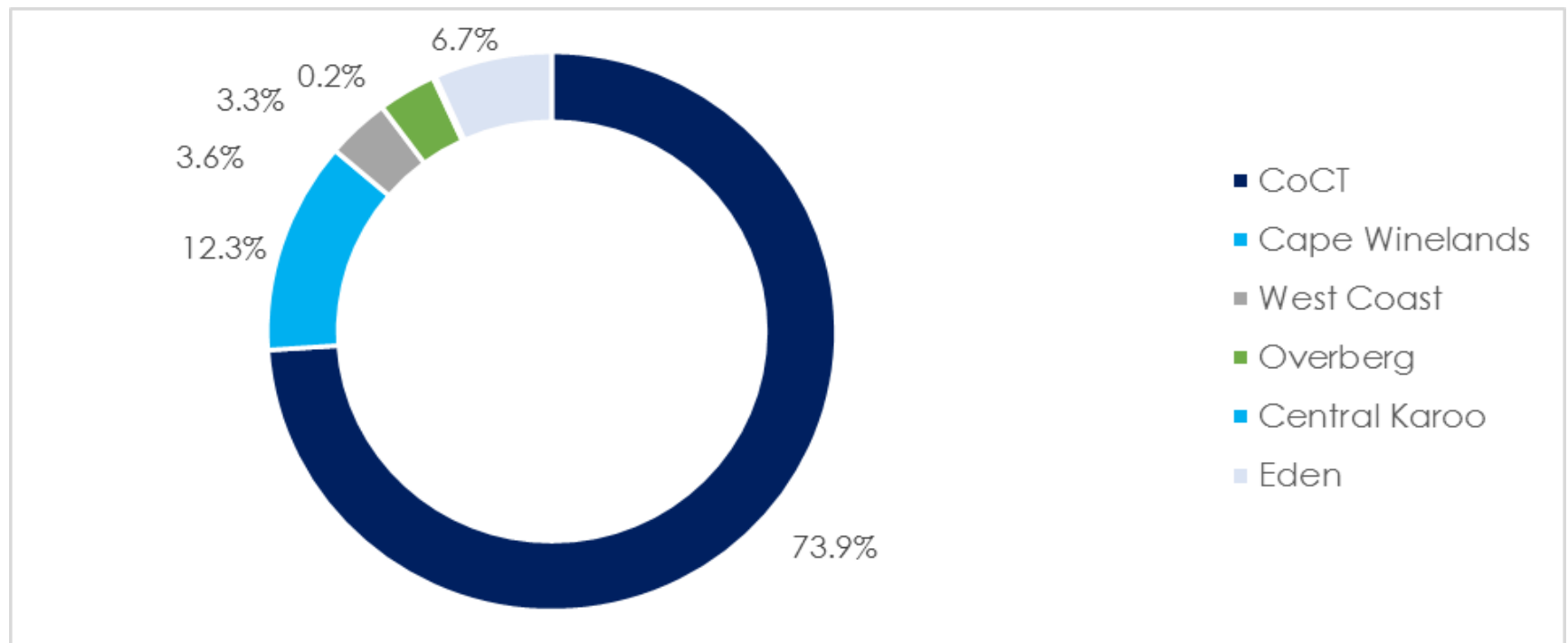
Status households refuse removal

% **Households** receiving refuse removal services Aug 2018



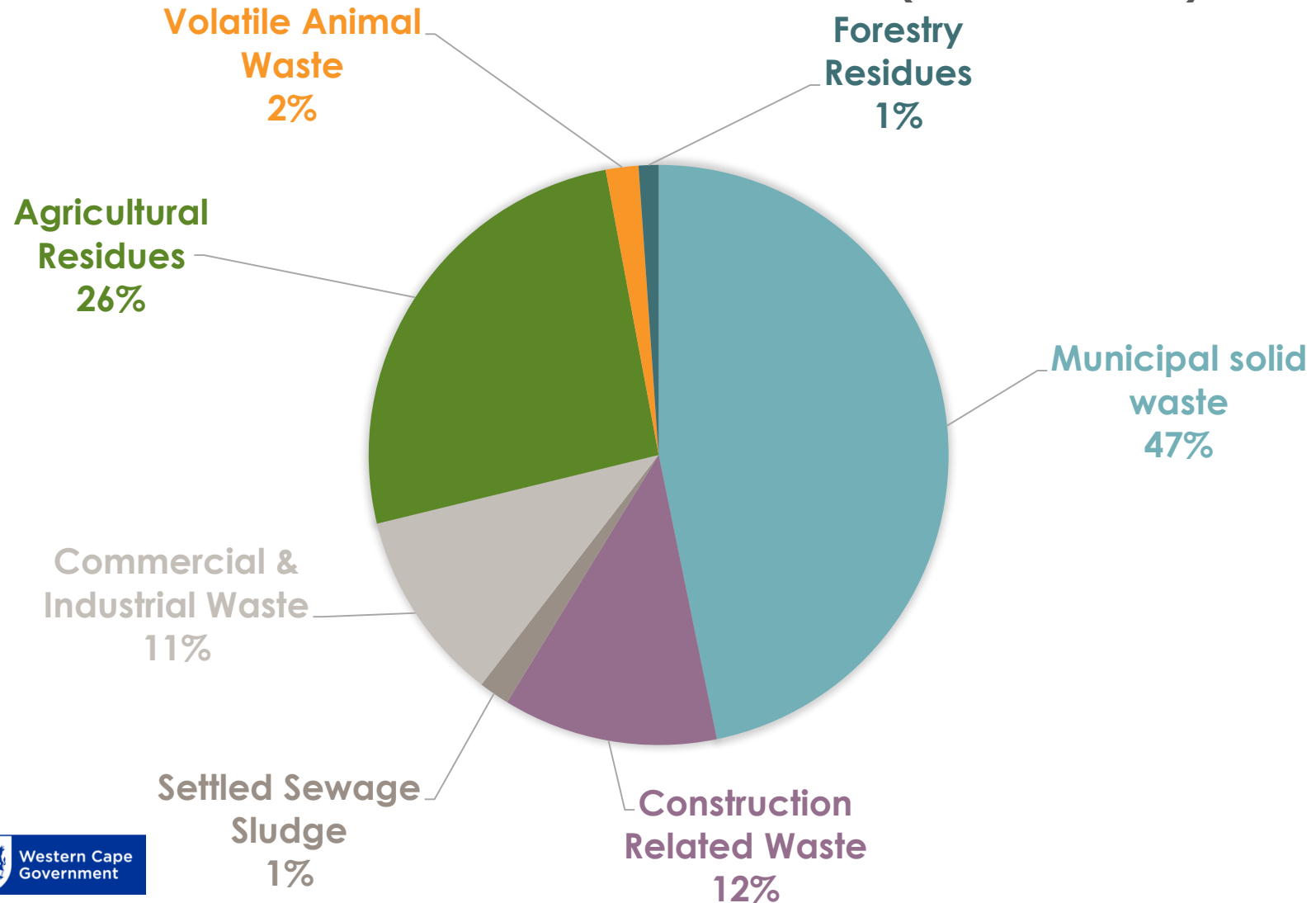
Waste generation distribution per district

- Total of 8.2 mil tons of waste generate (CSIR Baseline Study 2012)



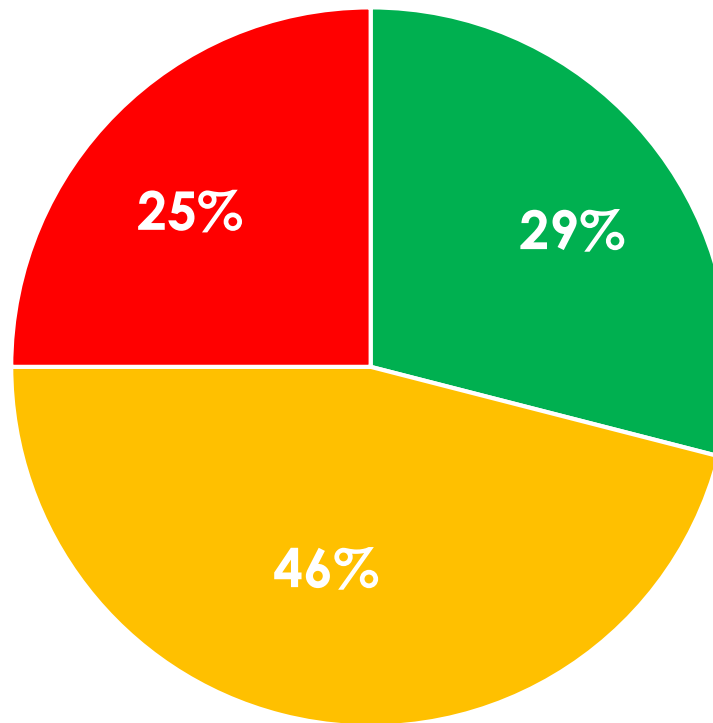
Waste Quantities WC

TOTAL WASTE WC - 8.2 MIL TONNES (BASELINE 2011)



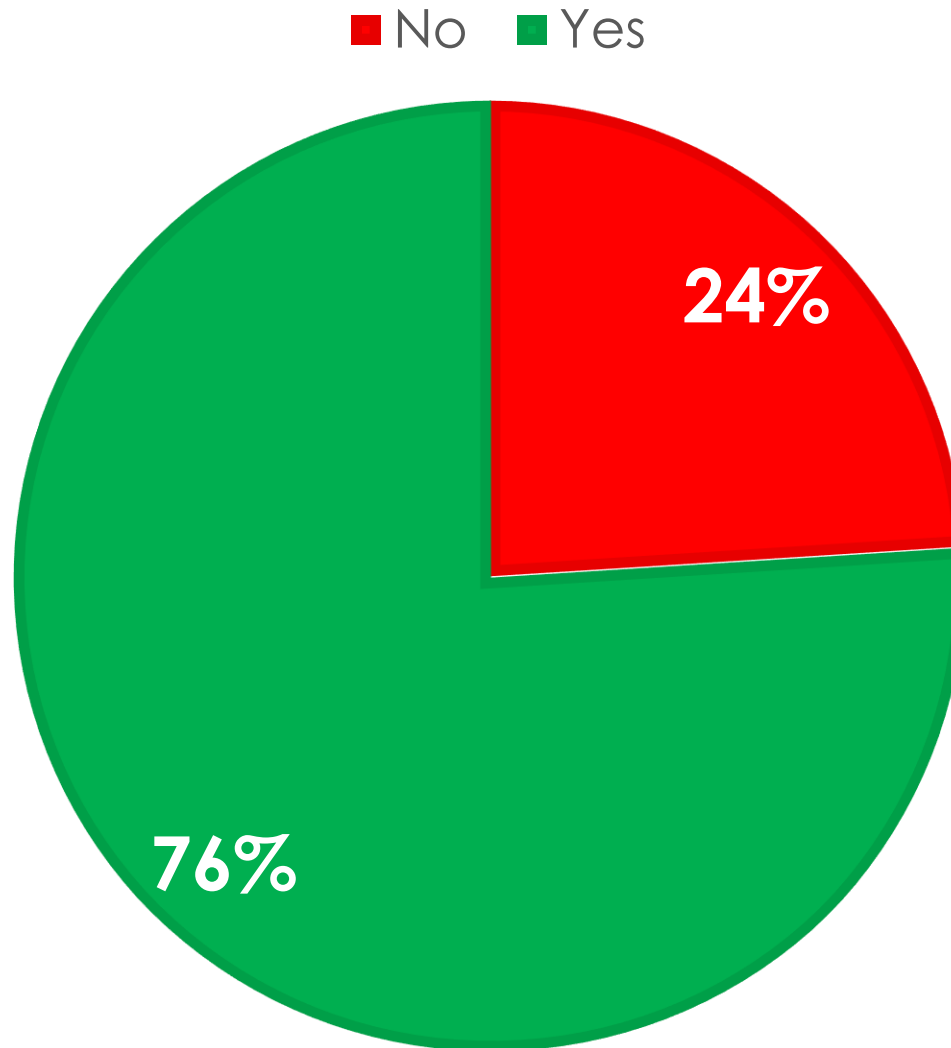
Municipal Solid Waste WC - 2018

Local Muns reporting waste quantities



■ Compliant ■ Partial compliant ■ Non-compliant

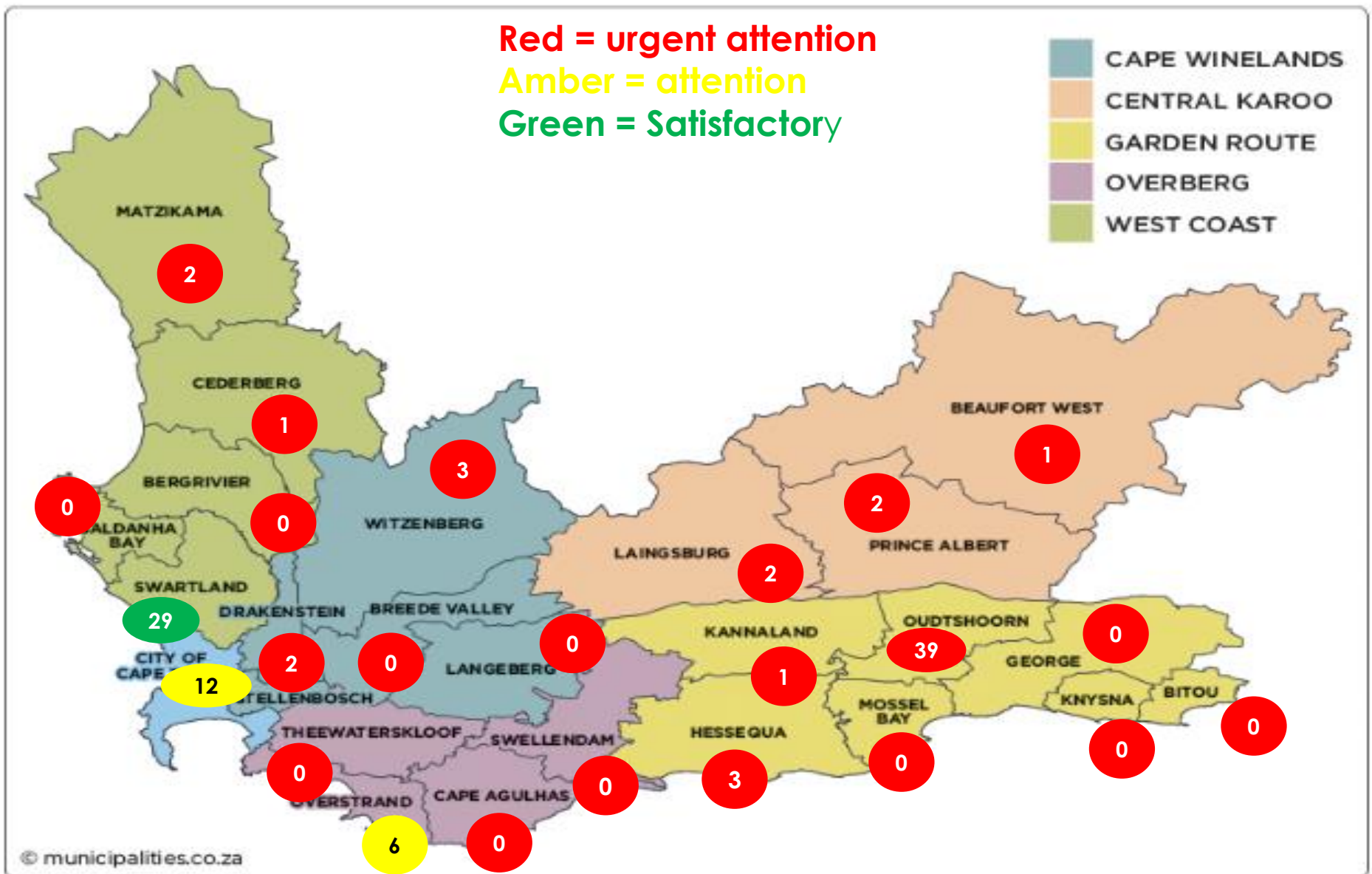
Municipalities with S@S



A photograph showing a person on a bicycle in the foreground, carrying a massive, towering load of white foam blocks and bags. The load is so large it obscures the person's upper body and extends high above the street. Another person on a bicycle is visible in the background to the left. The scene is set on a paved road with trees and buildings in the distance.

Running out of landfill airspace!!!

Availability of landfill airspace



WCG Response to landfill airspace challenges

● WCG Policy to promote regionalisation waste management services

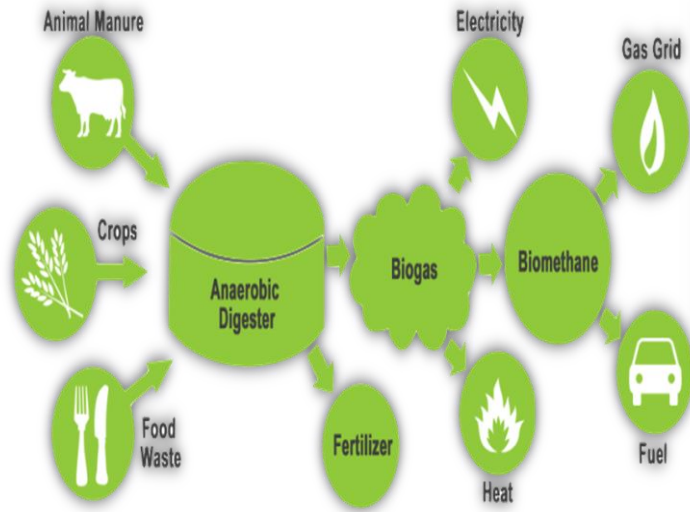
- Authorize only new regional waste disposal facilities in the future – due high operational cost and reduce environmental impacts of non-complaint smaller WDFs – inline with **National Development Plan** – post 2030.
- Regionalisation for waste management services should not solely focus on regional WDFs but preferably on the whole waste service.

● Aggressive waste diversion, recovery and beneficiation of waste material:

- Focus initially on interventions on waste streams such as organic waste and construction & demolition waste :
 - Set diversion targets for organic waste - 50% diversion of organic waste from landfill by 2022; and
 - Landfill ban of organic waste to landfill by 2027.
- Focus on waste separation at source.
- Promote waste economy & job creation.
- Alternative waste treatment.

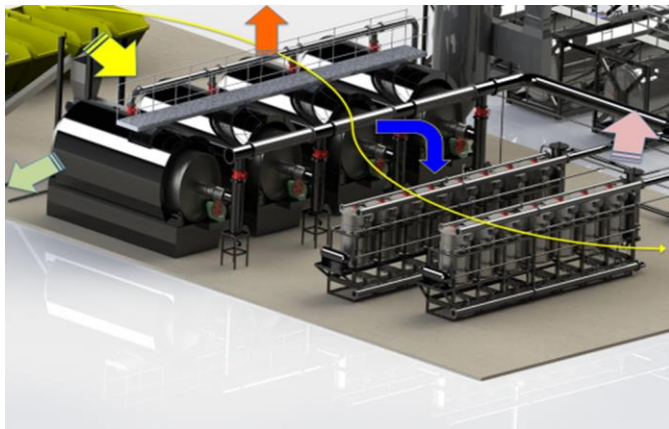


Alternative waste treatment



INSECO
Feeding the Future

AgriProtein
technologies



NATIONAL GEOGRAPHIC

PLANET OR PLASTIC?

10 billion pounds
of plastic ends up
in the ocean each
year. And that's
just the tip of
the iceberg.



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Thank you

Contact Us



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BETTER TOGETHER.

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