

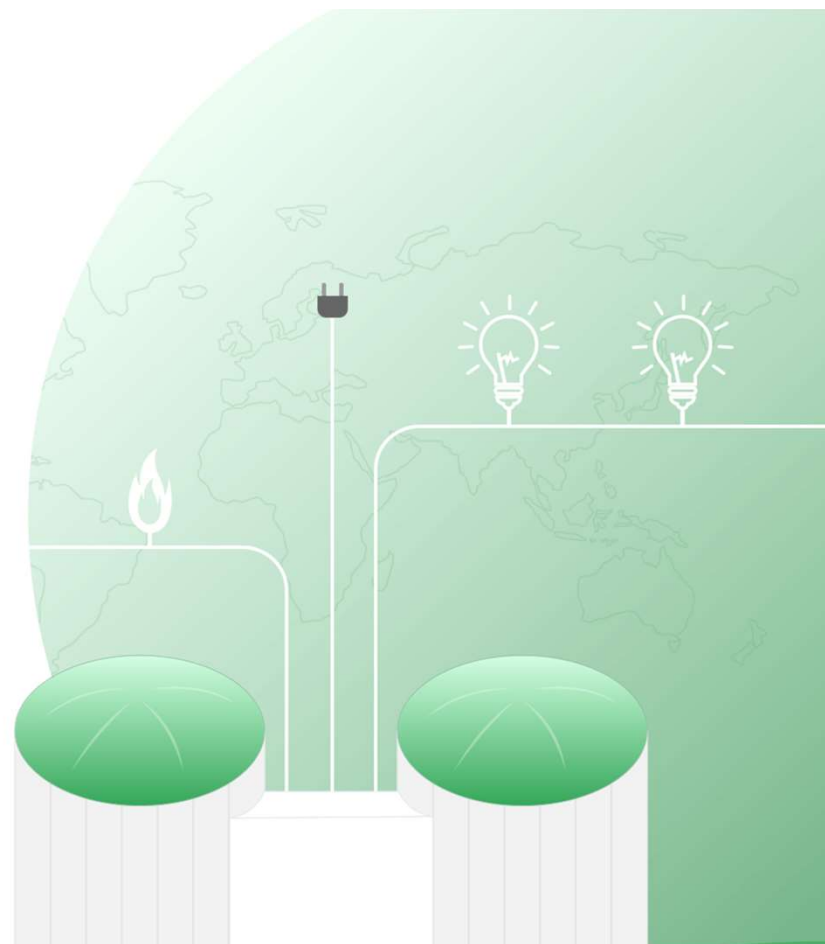
4th Web Seminar

Pretreatment of Feedstock in Anaerobic Digestion

Challenges, opportunities and
success stories in South Africa



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GreenCape & South African biogas market

GreenCape is a non-profit organisation that drives the widespread adoption of economically viable green economy solutions.

Through stakeholder engagements, we identify barriers, to be unlocked, and enablers for the development and growth of the biogas market and broader green economy within South Africa.



Pretreatment of feedstock in SA

Very important

- No separation at source (or very little)
- Feedstock is often contaminated (packaging, sand, lignocellulose, etc.)
- Accessibility of feedstock (incl. collection and restricted access to plant site)



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Case studies in SA



Zandam Cheese & Piggery

New Horizons Energy



Uilenkraal Dairy

GreenCape (2017). *The business case for biogas from solid waste in the Western Cape.*
<https://www.greencape.co.za/content/biogas-business-case/>



Case studies in SA

Case study example	Zandam Cheese & Piggery	Uilenkraal Dairy	New Horizons Energy - Athlone
Process Overview	<ul style="list-style-type: none">• Pig manure feedstock• 75 kWe base• 100 kWth average	<ul style="list-style-type: none">• Cow manure feedstock• 500 kWe capacity• 2 x 250 kW CHPs	<ul style="list-style-type: none">• MSW feedstock• 500 – 600 t/day of which 200t/day organics• MRF (organics, recyclables & other)

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**If you are interested
to join the DiBiCoo,
please contact us or
follow us online!**

**Thank You
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