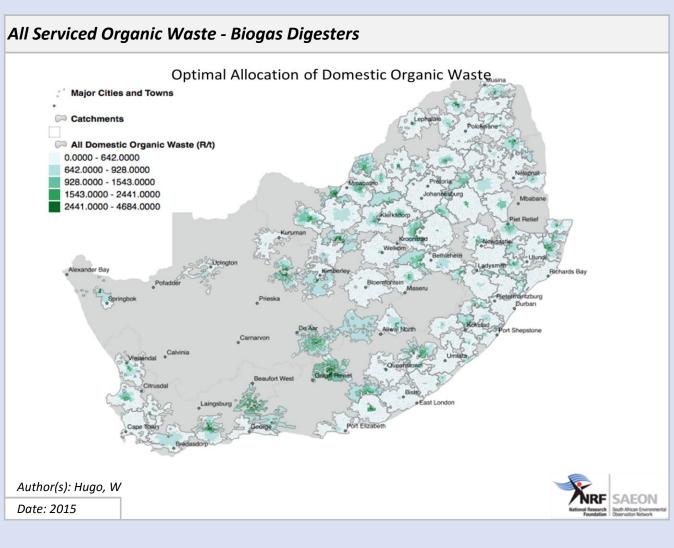
THEME: FEASIBILITY

Prepared by: Wim Hugo, SAEON



Meta-Data

Title	All Serviced Organic Waste - Biogas Digesters	
File(s)	WP10_07_AOW_NOT_02.shp, WP10_07_AOW_NOT_02_catch.shp	
Author(s)	Hugo, W	
Publication Date	2015	
CitationHugo, W. 2014. Feasibility of BioEnergy production in South Africa, BioEnergy Atlas for South DST/ SAEON 2014, Section WP10_04		
License	Creative Commons 4.0 BY SA (No restrictions on re-use, proper citation and attribution requ	

	currently unserviced households, as these come on stream expansion can be undertaken. * Cost Challenges - There may be as many as 100 viable projects, with significant capital investment required. Costs are
	comparable to new coal-based electricity.
	* Policy Challenges - The projects are feasible, require little or no subsidy, and can be implemented incrementally both at
	individual sites and across the country. Enabling policy, permitting, and regulation will be required to ensure safe handling of waste products, and IPP contributions to the grid allowed.
Keywords	
Keywords Caveats	to ensure safe handling of waste products, and IPP contributions to the grid allowed.
	to ensure safe handling of waste products, and IPP contributions to the grid allowed. biogas, digesters, domestic waste, feasibility, model outputs, organic waste, serviced waste http://bea.dirisa.org/resources/metadata-sheets/WP10_07_META_AOW.pdf

Methodology/ Protocol

Processing/ Provenance	As described above
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Important Attributes

MESO_ID	Meso-zone ID	
PRICOST	Optimal allocation of serviced domestic organic waste to biogas digesters, R/ton	
ALLOC	Catchment ID	

References and Sources

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[3]	Witi, J and Stevens, L- Greenhouse Gas Inventory for South Africa, 2000-2010, Department of Environmental Affairs, 2013 - https://www.environment.gov.za/sites/default/files/docs/greenhousegas_invetorysouthafrica.pdf
[4]	Nahman, A. and Godfrey, L. Economic value of South Africa's Waste (Preliminary), CSIR CSIR/NRE/GES/ER/ 2014/0015/A for DST, 2014, http://www.wasteroadmap.co.za/download/economic_value_sa_waste.pdf and http://www.wasteroadmap.co.za/download/trends_in_waste_management.pdf
[5]	US Environmental Protection Agency, Emission Factors for Greenhouse Gas Inventories, EPA, 2014 - http://www.epa.gov/climateleadership/documents/emission-factors.pdf
[6]	From Waste to Jobs: What 75% Recycling means for California, NRDC, 2014 - http://www.nrdc.org/recycling/files/green-jobs-ca-recycling-report.pdf

	All Serviced Organic Waste - Biogas Digesters - Catchments:
	http://app01.saeon.ac.za:8085/geoserver/WP10/wms?service=WMS&version=1.1.0&request=GetM
[7]	ap&layers=WP10:WP10_07_AOW_NOT_02_catch&styles=&bbox=16.846860047164206,-
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