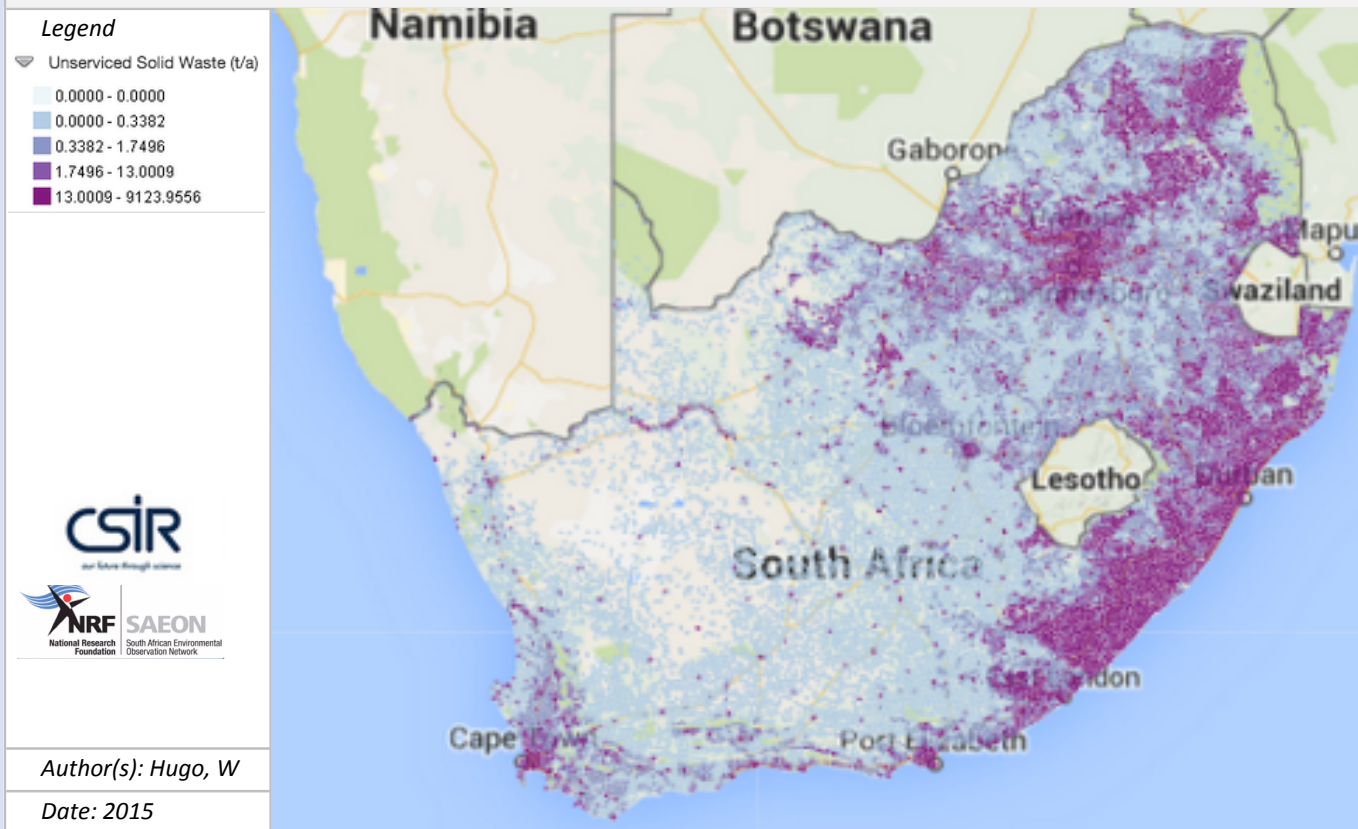


### Unserviced Solid Waste - Organic Component



#### Meta-Data

<b>Title</b>	Unserviced Solid Waste - Organic Component
<b>File Name</b>	T_MESO_S
<b>Author(s)</b>	Hugo, W
<b>Publication Date</b>	2015
<b>Citation</b>	Hugo, W, 2014. Unserviced Solid Waste - Organic Component. In: Hugo W. (Ed). 2015. South African BioEnergy Atlas. DST, Pretoria, RSA, Section WP04_04.
<b>License</b>	<a href="#">Creative Commons 4.0 BY SA (No restrictions on re-use, proper citation and attribution required)</a>
<b>Abstract</b>	<p>Data was derived from the following sources:</p> <ul style="list-style-type: none"> <li>* CSIR was commissioned by the BioEnergy Atlas to assemble known data on solid waste production from household and commercial sources in South Africa. This data was only available at provincial aggregate level, and derives from statistics published by the Department of Environmental Affairs, or recent studies funded by them.</li> <li>* Data from StatsSA (Census 2011) enabled the calculation of number of households within each planning zone that were serviced at the time, with the balance unserved.</li> <li>* SAEON developed a model from national and international statistics linking solid waste production and composition to household income. This model was used, based on StatsSA Census Data, to estimate the organic component produced by each household per planning zone (mesozone) annually.</li> <li>* These factors were used to disaggregate provincial production data, resulting in a value for unserved and serviced organic solid waste from household sources to be calculated for each mesozone.</li> </ul>

<b>Keywords</b>	<i>biomass, potential, solid waste, organic waste</i>
<b>Caveats</b>	<a href="http://bea.dirisa.org/resources/metadata-sheets/WP04_04_META_T_MESO_C.pdf">http://bea.dirisa.org/resources/metadata-sheets/WP04_04_META_T_MESO_C.pdf</a>
<b>Web Meta-Data</b>	
<b>Web Resource</b>	<a href="http://app01.saeon.ac.za:8085/geoserver/WP04/wms?service=WMS&amp;version=1.1.0&amp;request=GetMap&amp;layers=WP04:T_MESO_S&amp;styles=&amp;bbox=16.451920000028533,-34.83416989569374,32.892531746697685,-22.125030000001036&amp;width=512&amp;height=395&amp;srs=EPSG:4326&amp;format=application/openlayers">http://app01.saeon.ac.za:8085/geoserver/WP04/wms?service=WMS&amp;version=1.1.0&amp;request=GetMap&amp;layers=WP04:T_MESO_S&amp;styles=&amp;bbox=16.451920000028533,-34.83416989569374,32.892531746697685,-22.125030000001036&amp;width=512&amp;height=395&amp;srs=EPSG:4326&amp;format=application/openlayers</a>

#### **Methodology/ Protocol**

Processing/ Provenance	<i>As described above</i>
------------------------	---------------------------

#### **Important Attributes**

MESO_ID	Meso-zone ID
PRD	Production of Solid Waste, t/a
ORG	Organic Component, t/a
PNT	Point Sources (Serviced), t/a
DST	Distributed Sources (Unserviced) t/a
OTHER	Other Sources, t/a
PMIT	Permitted facility In Mesozone

#### **References and Sources**

[1]	Stafford, William (2013), "Domestic Solid Waste: Organic Component as 'Risings'", Work Package WP04_01 Commissioned by BioEnergy Atlas.
[2]	Stafford, William (2013), "Domestic Solid Waste: Recovery of Organic Component", Work Package WP04_01 Commissioned by BioEnergy Atlas.
[3]	StatsSA (2011), "Census 2011 Community Profiles", <a href="http://www.statssa.gov.za/Census2011/Products/Census_2011_Metadata.pdf">http://www.statssa.gov.za/Census2011/Products/Census_2011_Metadata.pdf</a>
[4]	Hugo, W (2013), "MODELLED DOMESTIC SOLID WASTE COMPOSITION AND VOLUME", South African BioEnergy Atlas, DST, Pretoria, South Africa, 2015. Section WP04_04_Risings