THEME: AGRICULTURAL RESIDUES	Prepared by: Wim Hugo, SAEON

Commercial Forest Residue in South Africa

Legend

Plantation Residue (t/a)
0.1257 - 28.0461
28.0461 - 163.8074
163.8074 - 1046.3697
1046.3697 - 6837.7406
6837.7406 - 155550.8945

Hugo, W

Date: 2014

Meta-Data

Title	*Commercial Forest Residue in South Africa*
File Name	*WP06_Commercial.shp*
Author(s)	*Hugo, W*
Publication Date	*2014*
Citation	*Hugo, W (2014) Distribution of Commercial Forest Residue in South Africa, In: Hugo W. (Ed). 2015. South African BioEnergy Atlas. DST, Pretoria, RSA,*
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Abstract	*A South African, Lesotho and Swaziland forestry genera map was received from the Institute for Commercial Forestry Research at the University of KwaZulu-Natal. The forests in the Northern Cape and North-West provinces of South Africa were removed from the map. In South Africa there are no commercial plantations in the Northern Cape and North-West provinces thus these were excluded. Only the Acacia, Pine and Eucalyptus map locations in South Africa were analysed as these were the species that were cultivated for afforestation in the country. The other species, specified as other/mixed were also removed from the map and a South African Commercial Plantations Genera map was drawn. Residues were estimated from factors determined by CSIR as part of a BioEnergy Atlas work package, and total production was assigned to planning zones using yield potentials for different commercial species from Schulze et.al.*
Keywords	*biomass, potential, forestry residue, pulp and paper mills, sawmills*
Caveats	http://bea.dirisa.org/resources/metadata-sheets/WP06_01_META_Comm
Web Meta-Data	

Web Resource	http://app01.saeon.ac.za:8085/geoserver/WP06/wms?service=WMS&version=1.1.0&request=GetMap&layers=WP06:WP06_MESO_Commercial&styles=&bbox=16.451920000028533,-34.83416989569374,32.892531746697685,-22.125030000001036&width=512&height=395&srs=EPSG:4326&format=application/openlayers

Methodology/ Protocol

Processing/ Provenance	*As described above*

Important Attributes

MESO_ID	Planning Zone ID
SumResidue	Residue (t/a) dry mass

References and Sources

[1]	*De Lange, B (2013). Eskom Internal Report RES/RR/12/35052, prepared by CRSES for Eskom, March 2013.*
[2]	*Forestry Economics Services CC. (2011). Report on commercial timber resources and primary roundwood processing in South Africa (Vol. 00). Pretoria*
[3]	*Schulze, R.E. 2007. Production of Eucalypts, Pines and Wattle in South Africa. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 18.2.*
[4]	*Naidoo, S (2013) - Estimates of Potentials, Yields, and Current Utilisation of Commercial Forest Biomass By-Product, Prepared for BioEnergy Atlas by CSIR NRE, Work Package 4.*