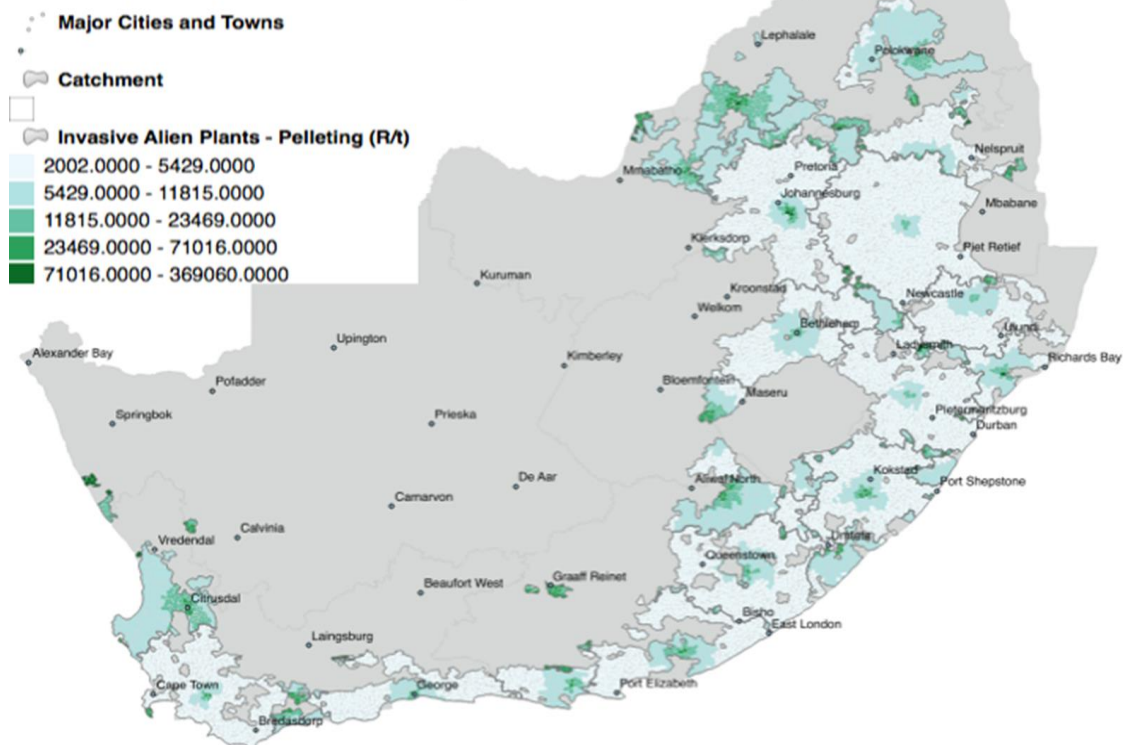


**Invasive Alien Plants - Pelleting****Invasive Alien Plants – Optimal Allocation (R/ton)**

Author(s): Hugo, W

Date: 2015

**Meta-Data**

<b>Title</b>	<i>Invasive Alien Plants - Pelleting</i>
<b>File(s)</b>	<i>WP10_07_IAP_NOT_02.shp, WP10_07_IAP_NOT_02_catch.shp</i>
<b>Author(s)</b>	<i>Hugo, W</i>
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<b>Citation</b>	<i>Hugo, W. 2014. Feasibility of BioEnergy production in South Africa, BioEnergy Atlas for South Africa, DST/SAEON 2014, Section WP10_04</i>
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<b>Abstract</b>	<p><i>* Technical Challenges - Existing expertise and infrastructure in respect of 'Working for Water' programmes exist, and pelleting equipment can easily be scaled to suit requirements.</i></p> <p><i>* Cost Challenges - The ten top projects are feasible, producing wood pellets within the range of current fuelwood and charcoal prices locally.</i></p> <p><i>* Policy Challenges - The projects are feasible and well aligned with existing expertise and infrastructure in respect of 'Working for Water' programmes. Integration with DEA 'Working for Energy' required.</i></p> <p><i>* Environmental Challenges - The net impact on greenhouse gas emissions is at best neutral, given that sequestered carbon will be removed in the short term and may not be replaced by indigenous biomass entirely. If pellets are used mostly for fuelwood replacement, net effects are limited to production emissions.</i></p>
<b>Keywords</b>	<i>feasibility, invasive alien plants, model outputs, pelleting</i>
<b>Caveats</b>	<a href="http://bea.dirisa.org/resources/metadata-sheets/WP10_07_META_IAP.pdf">http://bea.dirisa.org/resources/metadata-sheets/WP10_07_META_IAP.pdf</a>
<b>Web Meta-Data</b>	
<b>Web Resource</b>	<a href="http://app01.saeon.ac.za:8086/geoserver/BEA/wms?service=WMS&amp;version=1.1.0&amp;request=GetMap&amp;layers=BEA:WP10_07_IAP_NOT_02&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/ope">http://app01.saeon.ac.za:8086/geoserver/BEA/wms?service=WMS&amp;version=1.1.0&amp;request=GetMap&amp;layers=BEA:WP10_07_IAP_NOT_02&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/ope</a>

#### **Methodology/ Protocol**

Processing/ Provenance	<i>As described above</i>
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#### **Important Attributes**

MESO_ID	Meso-zone ID
PRICOST	Optimal Allocation of Invasive Alien Plants, R/ton
ALLOC	Catchment ID

#### **References and Sources**

[1]	Croezen, H and van Valkengoed, M. GHG Emissions due to deforestation, Delft, 2009 - <a href="http%3A%2F%2Fwww.ce.nl%2F%3Fgo%3Dhome.downloadPub%26id%3D932%26file%3Dghg-emissions-due-to-deforesta.pdf">http%3A%2F%2Fwww.ce.nl%2F%3Fgo%3Dhome.downloadPub%26id%3D932%26file%3Dghg-emissions-due-to-deforesta.pdf</a>
[2]	Von Maltitz, G. Estimates of Land Use Effects of Major Products and Feedstocks, Work Package 9, in BioEnergy Atlas for South Africa, W Hugo (ed), DST 2013
[3]	Witi, J and Stevens, L- Greenhouse Gas Inventory for South Africa, 2000-2010, Department of Environmental Affairs, 2013 - <a href="https://www.environment.gov.za/sites/default/files/docs/greenhousegas_invetorysouthafrica.pdf">https://www.environment.gov.za/sites/default/files/docs/greenhousegas_invetorysouthafrica.pdf</a>
[4]	Invasive Alien Plants - Pelleting - Catchments: <a href="http://app01.saeon.ac.za:8085/geoserver/WP10/wms?service=WMS&amp;version=1.1.0&amp;request=GetMap&amp;layers=WP10:WP10_07_IAP_NOT_02_catch&amp;styles=&amp;bbox=17.46207884684932,-34.82092890158508,32.44577285817367,-22.738459142010466&amp;width=512&amp;height=412&amp;srs=EPSG:4326&amp;format=application/openlayers">http://app01.saeon.ac.za:8085/geoserver/WP10/wms?service=WMS&amp;version=1.1.0&amp;request=GetMap&amp;layers=WP10:WP10_07_IAP_NOT_02_catch&amp;styles=&amp;bbox=17.46207884684932,-34.82092890158508,32.44577285817367,-22.738459142010466&amp;width=512&amp;height=412&amp;srs=EPSG:4326&amp;format=application/openlayers</a>