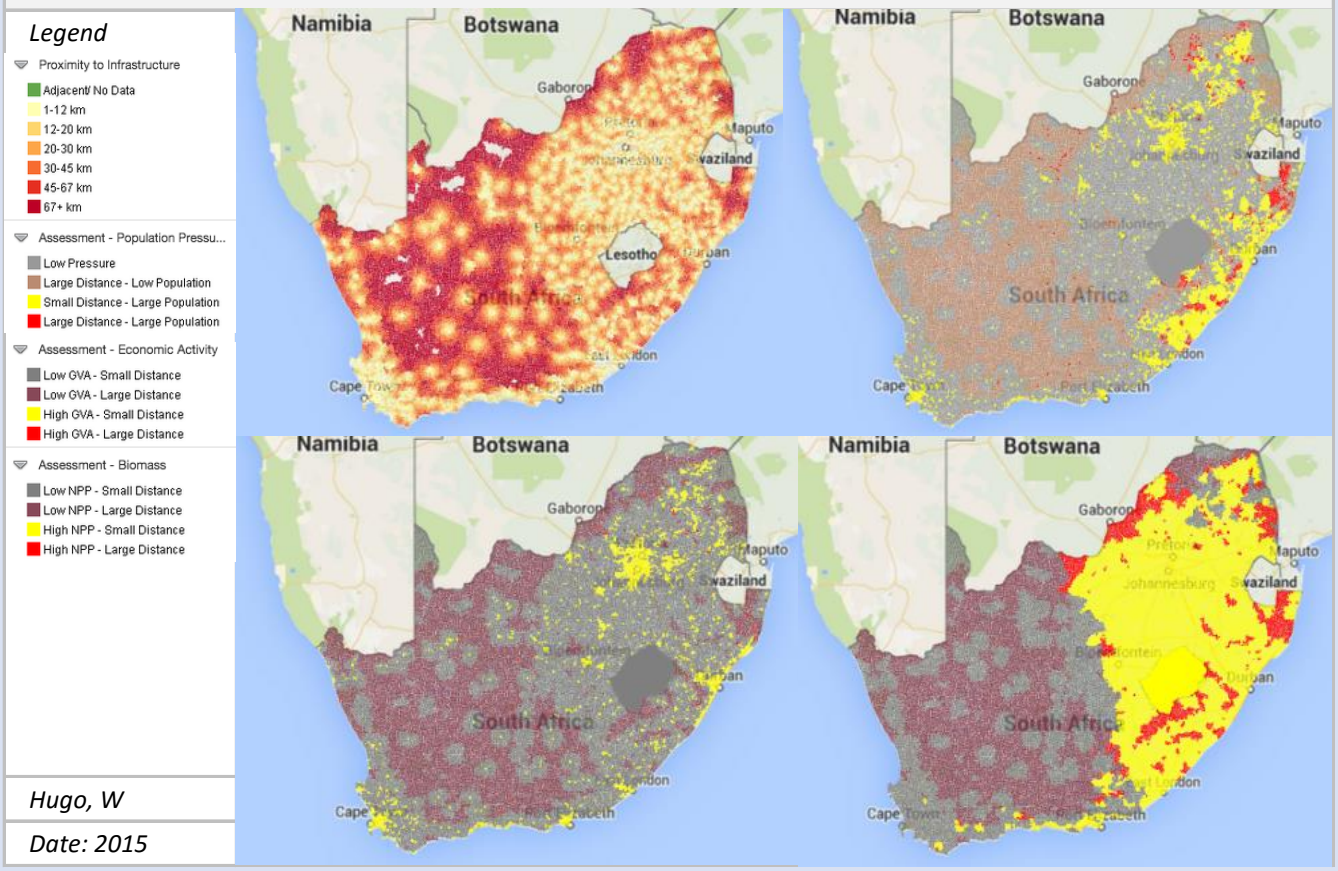
THEME: INFRASTRUCTURE	Prepared by: Wim Hugo, SAEON

Proximity to Infrastructure



Hugo, W

Date: 2015

Meta-Data

Title	*Proximity to Infrastructure*
File Name	*EXP_PP50.shp*
Author(s)	*Hugo, W*
Publication Date	*2015*
Citation	*Hugo, W. 2015 Proximity of Population, Economic Activity, and Biomass Potential to Energy Infrastructure. In: Hugo W. (Ed). 2015. South African BioEnergy Atlas. DST, Pretoria, RSA, Section*
License	Creative Commons 4.0 BY SA (No restrictions on re-use, proper citation and attribution requ

Abstract	*SAEON calculated a series of pressure maps to relate population, economic activity and biomass potential to the distribution of current and planned infrastructure. The infrastructure that was considered included:* ** Operational and decommisioned power stations;* ** Planned new energy infrastructure, based in NERSA permits;* ** Eskom planned and current transmission, distribution, and substation infrastructure;* ** Agriculture infrastructure - silos;* ** Sawmills and sugar mills;* ** Waste water treatment works and solid waste disposal sites.* *In each case, an assessment was made on the basis of four categories (below or over median):* *1. Close to infrastructure, and high density of population, economic activity, or biomass potential (possibly problematic);* *2. Not close to infrastructure, and high density of population, economic activity, or biomass potential (problematic);* *3. Close to infrastructure, and low density of population, economic activity, or biomass potential (not problematic);* *4. Not close to infrastructure, and low density of population, economic activity, or biomass potential*
Keywords	*infrastructure, pressure, population, economic acitivity, biomass potential*
Caveats	http://bea.dirisa.org/resources/metadata-sheets/WP01_META_PRESSURE.pdf
Web Meta-Data	
Web Resource	http://app01.saeon.ac.za:8086/geoserver/BEA/wms?service=WMS&version=1.1.0&request=GetMap&layers=BEA:EXP_PP50&styles=&bbox=16.451920000028533,-34.83416989569374,32.892531746697685,-22.125030000001036&width=512&height=395&srs=EPSG:4326&format=application/ope

Methodology/ Protocol

Processing/ Provenance	*As described above*

Important Attributes

MESO_ID	*As described above*
CLASS_P	*Categorisation - Population Proximity to Infrastructure (Census 2011)*
CLASS_E	*Categorisation - Economic Activity Proximity to Infrastructure (GAP 2007 GVA)*
CLASS_B	*Categorisation - Biomass Proximity to Infrastructure (Net Primary Productivity, 2007)*

References and Sources

[1]	Hugo, W (2015) "Infrastructure and Accessibility", In: Hugo W. (Ed). 2015. South African BioEnergy Atlas. DST, Pretoria, RSA, Section WP01