CARBON SINKS ATLAS FOR SOUTH AFRICA
LADA Loss of Cover

Metadata Date Stamp:

28 February 2017

<table>
<tr><td>DATASET DESCRIPTION</td></tr>
</table>

File Names:

Data:

LADA_South_Africa_Loss_of_cover_DAFF_Apr2016

Metadata:

LADA_South_Africa_Loss_of_cover_DAFF_Apr2016_METADATA

Dataset Reference Date:

April 2016

Data quality:

Good – During the Land Degradation Assessment in Drylands (LADA) project, the South African National Assessment of Land Degradation and Conservation was done between 2008 and 2011. 728 Contributing specialists throughout the country contribute their knowledge and experience on land degradation and sustainable land management during a series of 34 Participatory Expert Assessment Workshops. It is important to notice that the results of these national assessments are qualitative in nature and based on the perceptions of contributing specialists based on the assumption that they all know their respective assessment areas well enough to report on land degradation and conservation attributes. To improve data quality, the same methodology (LADA-WOCAT Mapping Questionnaire (QM)) was used during all 34 PEA Workshops and one facilitator was used to guide the process and ensure terminology and definitions are used in a constant and repeatable way between workshops. During the PEA workshops the principle of consensus mapping was used as guiding principle to ensure good data quality. Assessment results of different assessment groups within a PEA workshop was discussed and calibrated within a bigger plenary session with all the groups present. This helped in calibrating results between mapping units within an assessment area and the facilitator was then responsible to calibrate results between PEA workshops within and between provinces.

Dataset Responsible Party:

Department of Agriculture, Forestry and Fisheries (DAFF), Directorate Land Use and Soil Management, Private Bag X120, Pretoria, 0001. Attention: Scientific Manager: Mr Hein Lindemann e-mail: HeinL@daff.gov.za

Geographic Location of the Dataset: RSA

West: 16.081523

East: 33.484393

North: - 22.098501

South: - 34.709233

Keywords:

LADA, degradation types, Soil Organic Carbon Stock, vegetation cover, loss of cover

Dataset Language:

English (SOUTH AFRICA)

Dataset Character Set:

utf8 - 8 bit UCS Transfer Format

Dataset Topic Category:

007 = Environment (ISO 19115 Topic category)

Data Type:

Shapefile feature class

Format:

ArcGIS Shapefile

Geometry Type:

Polygon

Data Release classification:

Release classification	Description	Time frame	Example
OR	Official release	28 February 2017	LADA_South_Africa_Loss_of_cover_DAFF_Apr2016

Citation:

Lindeque, G.H.L., & Koegelenberg, F.A., 2015. *Perceptions on land degradation and current responses to land degradation problems in South Africa: Local Municipality Fact Sheet Series*. Department of Agriculture, Forestry and Fisheries, Pretoria.

Abstract:

One of the land degradation types considered during the LADA National Assessment was the reduction in vegetation cover and the increase in bare and unprotected soil. Since a positive correlation exist between Soil Organic Carbon Stocks (SOCS) and vegetation cover, areas where loss of cover has been identified by contributing specialists as one of the main degradation types, could have a negative impact on the available SOCS.

Purpose:

This data was made available for the online Carbon Sinks Atlas courtesy of Department of Agriculture, Forestry and Fisheries (DAFF). The purpose of including the data into the Carbon Atlas was to generate awareness on the state and severity of land degradation in South Africa as a direct driver of lowering soil carbon sink levels.

Supplemental Information:

   None

Lineage Statement:

   None

<table>
<tr><td colspan="4" align="center">ATTRIBUTE INFORMATION</td></tr>
</table>

Field name	Data type	Description	Example
ZDI	Double	This field contains values of loss of cover between 0 and 100 Class intervals: < 31.75 Very Low 31.75 – 43.75 Low 43.76 – 50.16 Moderate 50.17 – 60.75 Severe > 60.75 Very Severe	47.91

<table>
<tr><td align="center">SUPPLEMENTARY INFORMATION</td></tr>
</table>

None

<table>
<tr><td align="center">DATA MAINTENANCE</td></tr>
</table>

Dataset last updated:

   February 2017

Time Period of Content:

   2008-2011

Maintenance and update frequency:

   No updates.

<table>
<tr><td align="center">DISTRIBUTION AND CONSTRAINTS</td></tr>
</table>

On/line Resource:

   The South African Environmental Observation Network (SAEON)
   http://www.saeon.ac.za/

Distribution Format:

   ArcGIS shapefile

Copyright:

Department of Agriculture, Forestry and Fisheries (DAFF), Directorate Land Use and Soil Management, Private Bag X120, Pretoria, 0001. Attention: Scientific Manager: Mr Hein Lindemann e-mail: HeinL@daff.gov.za

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Acknowledgments:

None

METADATA INFORMATION

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Riviera
0084

Additional Extent information for the Dataset (Vertical & Temporal):

N/A

Spatial Representation Type:

Polygon - Area

Spatial Reference:

Coordinate Reference: GCS_WGS_1984

Projection - Albers_Conic_Equal_Area

Projection:

PROJCS["Albers_Equal_Area_Conic_South_Africa",
  GEOGCS["GCS_WGS_1984",
    DATUM["D_WGS_1984",
      SPHEROID["WGS_1984",6378137,298.257223563]],
    PRIMEM["Greenwich",0],
    UNIT["Degree",0.0174532925199433]],
  PROJECTION["Albers"],
  PARAMETER["False_Easting",0],
  PARAMETER["False_Northing",0],
  PARAMETER["central_meridian",24],
  PARAMETER["Standard_Parallel_1",-18],
  PARAMETER["Standard_Parallel_2",-32],
  PARAMETER["latitude_of_origin",0],

Metadata File Identifier:

LADA_South_Africa_Loss_of_cover_DAFF_Apr2016_METADATA

Metadata Standard Name:

SANS 1878

Metadata Standard Version:

SANS 1878/1:2005

Metadata Language:

English

Metadata Character Set:

US/Ascii