Metadata Management
Within SANBI BGIS
Gert Conradie

> compassinformatics.com
What's New
This is where you'll find information on the latest datasets and innovative tools added to the BGIS website.

New design
The new design of the website will closely resemble that of SANBI's Biodiversity Advisor website, and SANBI website. The purpose of this update is to strengthen the SANBI brand and to promote a uniformed look and feel between SANBI's websites.

Improved search functionality

Dataset Of The Month
VEGMAP 2012 beta

The latest online version of the National Vegetation Map of South Africa, Lesotho and Swaziland was recently released on bgis.sanbi.org. VEGMap2012 incorporates all edits since VEGMAP2009 (additional vegetation types, deleted vegetation types, and altered boundaries to existing vegetation types).
A mobile version of the 2012 VEGMAP was also released this year using CarryMap Observer as a platform. This platform allows users to access and manage VEGMAP data in the field.

Feedback
The BGIS team is continually striving to improve the BGIS website by adding innovative tools and relevant datasets. If you feel that we are missing crucial datasets or that our website can be improved in any way, please drop us a line.

> compassinformatics.com
Metadata Management in BGIS

- **Status after BGIS redevelopment**
  - Theory - SDI ACT
  - BGIS Metadata & SASDI
  - Near & Long Term Future
2012 Vegetation Map of South Africa, Lesotho and Swaziland

This version i.e. NVM2012_ddwgs84beta2 replaces NVM2012_ddwgs84beta. In this version an error in the names of two vegetation types (AZa8 should have been AZa5 and AZd5 should have been AZc3) erroneously included in NVM2012_ddwgs84beta were corrected and were reclassified appropriately.

Download
- Download ZIP file (265 KB)

Metadata
- Download PDF (265 KB)
- View on Metadata SANBI.org

Citation

For the name of the data creator for a specific dataset, please refer to the associated metadata. The metadata for the dataset can be found under the “metadata” section above.
**FILE NAME:** N:\VNM\2013\beta\vbnm_2013_beta_gao.shp

**Description (Detailed):** Update of vbgm2000.shp based on decisions made by the National Vegetation map Committee and contributions by various partners.

**Copyright Holder:** South African National Biodiversity Institute

**Data Orbits:** South African National Biodiversity Institute

**Capture Source:** South African National Biodiversity Institute

**Scale Simplified at:** A working scale of 1:250 000

**Data Captured:** 2013-2015

**Data Copyright:** South African National Biodiversity Institute

**To be distributed:**

This data may not be reproduced by any means, nor redistributed via web site or ftp site, without prior permission. Whilst every effort has been made to ensure the accuracy of data, users are advised to use the data and calculations drawn from it with caution. Users noting errors or omissions are requested to notify the office of the VEGMAP project (Vegmap@sanbi.org.za) to improve data accuracy. These data are not for resale or replicating. This digital version is in the public domain requiring only the conventional acknowledgement of source in publications and reports.

---

**DATA INFORMATION AND METADATA INFORMATION**

**Owner:** South African National Biodiversity Institute

**Organisation:** South African National Biodiversity Institute

**Contact Person:** Leslie W. Powrie or Anisha Dayaram

**Contact Address:** Private Bag X7, Claremont, 7735

**Contact Number:** +27 21 708 8702

**Contact Email:** Vegmap@sanbi.org.za

---

**PROJECTION**

**Projection Name:** GCS_WGS_1984

**DATUM**

**Name:** D_WGS_1984

---

**DETAILED NOTES**

**Version:** This version i.e., N:\VNM\2013\beta\vbnm_2013_beta_gao.shp replaces N:\VNM\2013\dibgmbeta\vbnm_2013_a2dibgmbeta.shp. In this version, an error in the names of two vegetation types (A2d and A2q) has been fixed and A2d should have been A2e and A2q should have been A2c. In N:\VNM\2013\dibgmbeta\vbnm_2013_a2dibgmbeta.shp, the A2d and A2q were correctly named. The boundary definition in this file is based on the 1:50 000 line and was described as A2d in the 1:250 000 data set.
BGIS Search Ability

BGIS
Biodiversity GIS

Projects
Spatial Datasets
Map Viewers
LUDS

Home / Search

BGIS Search

Search

Notes:
- Multiple search terms can be supplied. (They don't have to be in the right order to form a sentence.)
- Search results are ranked - the more supplied words found in the result, the better ranking of the result.
- Include the BGIS entity types (i.e. projects, spatial dataset, map viewers, LUDS or document) as search terms to improve the ranking for those entity types.
- By default each search term are postfixed with the wildcard *.
- A search term can be prefixed with the leading wildcard *.
- The * wildcard can be placed in the middle of a search term to represent any number of characters.
- The ? wildcard can be placed in the middle of a search term to represent a single character. (Any number of ?'s can be used)
Metadata Management in BGIS

• Status after BGIS redevelopment
• **Theory - SDI ACT**
• BGIS Metadata & SASDI
• Near & Long Term Future
Spatial Data Infrastructure Act

- Section 12 of the Spatial Data Infrastructure Act  
  - (Act No 54 of 2003)
- Section 14 of the Promotion of Access to Information Act  
  - (Act 2 of 2000)

“a data custodian must capture and maintain metadata for any spatial information held by it”

“custodians should ensure that their metadata is available to the public by establishing a node at the Department’s Electronic Metadata Catalogue, or by making their records available to the Department for inclusion in the Catalogue”
“GeoNetwork is a catalog application to manage spatially referenced resources. It provides powerful metadata editing and search functions as well as an interactive web map viewer.”

metadata.sanbi.org
Metadata Harvesting

SASDI Metadata Node

Metadata Node

BGIS Metadata Node
Spatial Data Infrastructure Act

ISO 19139

SANS 1878

BGIS Template(s)
Metadata Management in BGIS

- Status after BGIS redevelopment
- Theory - SDI ACT
- **BGIS Metadata & SASDI**
- Near & Long Term Future
metadata.sanbi.org

Get started
Search over 2 data sets, services and maps, ...

Search ...

SANBI Data Portal
Here you will find data, services and maps and more.

Browse by topics
Environment

Browse resources
Dataset

Latest news
Most popular

2012 Vegetation Map of South Africa, Lesotho and Swaziland

SANBI test metadata record
2012 Vegetation Map of South Africa, Lesotho and Swaziland

Download and links:
- [Data catalog services](#)
- [GS-SSC Global Earth](#)

About this resource:
- **Title:** 2012 Vegetation Map of South Africa, Lesotho and Swaziland
- **Publisher:** South African National Biodiversity Institute (SANBI)
- **Language:** English
- **Keywords:** Vegetation, South Africa, Lesotho, Swaziland

Metadata Information:
- **Organization:** South African National Biodiversity Institute
- **Contact:** Leslie Weekes or Anna de Beer
- **Data format:** GIS metadata
- **Projection:** GCS_WGS_1984

Detailed Notes:
- This version of the data has been updated for the 2012 Vegetation Map of South Africa, Lesotho and Swaziland.
2012 Vegetation Map of South Africa, Lesotho and Swaziland

This version i.e NVM2012_ddwgs84beta2 replaces NVM2012_ddwgs84beta. In this version an error in the names of vegetation types (AZa8 should have been AZa6 and AZd5 should have been AZz3) erroneously included in NVM2012_ddwgs84beta were corrected and were reclassified appropriately.

Download
- Download ZIP file (265 KB)

Metadata
- Download PDF (265 KB)
- View on Metadata SANBI.org

Citation

For the name of the data creator for a specific dataset, please refer to the associated metadata. The metadata for the dataset can be found under the metadata section above.
Schemas & Template(s)

- ISO 19139 Metadata Implementation Specification
- SANS 1878
Identification info

Title: ARC Template for Vector data SANS 1876

Date: Publication 4/1/2016

Edition: 1.0

Abstract: TODO: Required, please replace this with an overview of the dataset.

Purpose: TODO: optional, dataset specific

Status: On going

Point of contact

Individual name

Organisation name: The Agricultural Research Council (ARC)

Position name: The GIS Officer

Voice: +27 (0)12 427 9700

Facsimile: +27 (0)12 430 5814

Online resources

A list of services published are available at this URL.

A list of spatial data-sets are available at this URL.

Validation

Suggestions

Need help

> compassinformatics.com
Metadata Management in BGIS

- Status after BGIS redevelopment
- Theory - SDI ACT
- BGIS Metadata & SASDI
- Near & Long Term Future
Near Term Future

- SASDI integration (Already tested / Ready)
- Populate metadata records
Long Term Future

• SANS 1878 profile & schematron
• Standardise metadata documentation in BGIS

BGIS.sanbi.org  Metadata.sanbi.org
Thanks