

# SAEON Data Portal

## How to Make Composite Maps

Last Updated May 2012

W Hugo

G342.4.2.1 1 How to Make Composite Maps



# Select any Appropriate Folder for Content

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/playpen/test-folder`. The page header includes the National Research Foundation and South African Environmental Observation Network logos. A navigation menu contains 'Home', 'Metadata', 'Communities', and 'Tutorial'. A breadcrumb trail reads 'You are here: Home → Playpen → Test Folder'. The main content area features a toolbar with 'Contents', 'View', 'Edit', 'Linked Metadata', 'Rules', and 'Sharing'. Below this, the 'Test Folder' is listed as being created by Wim Hugo on June 02, 2012. A list of sub-folders follows: Maps, Images, Atlas, News, Events, and GeoRSS, each with its last modification time. A red callout box labeled 'Test Folders' points to the 'Test Folder' title. The right sidebar contains a 'My Portlet 1' section with a 'Bulk Uploader' and a 'Choose your files' button.

SAEON

- Maps
- Images
- Atlas
- News
- Events
- GeoRSS

Information For ...

- First-Time Users
- Data Providers
- SAEON Collaborators
- Scientists
- Systems Developers

Partners

- SAEON
- CSIR
- Marine and Coastal Management
- SANPARKS

Contents View Edit Linked Metadata Rules Sharing

Actions Display Add new... State: Private

## Test Folder

by [Wim Hugo](#) — last modified Jun 02, 2012 10:10 PM

- [Maps](#) — by [Wim Hugo](#) — last modified Jun 02, 2012 10:10 PM
- [Images](#) — by [Wim Hugo](#) — last modified Jun 02, 2012 10:14 PM
- [Atlas](#) — by [Wim Hugo](#) — last modified Jun 02, 2012 10:14 PM
- [News](#) — by [Wim Hugo](#) — last modified Jun 02, 2012 10:15 PM
- [Events](#) — by [Wim Hugo](#) — last modified Jun 02, 2012 10:16 PM
- [GeoRSS](#) — by [Wim Hugo](#) — last modified Jun 02, 2012 10:16 PM

Send this — Print this —

My Portlet 1  
Text for Portlet 1

Click here to learn more about search capabilities, options, and automation.

Bulk Uploader

Choose your files :

Browse

[Manage portlets](#)

# Adding a Map

http://saeon.dirisa.org/fold x Saeon — Dirisa Portal x Maps — Dirisa Portal

saeon.dirisa.org/playpen/test-folder/maps

Site Map Wim Hugo Preferences Log Out Search Site Search

Home Metadata Communities Tutorial

You are here: Home → Playpen → Test Folder → Maps

Contents View Edit Linked Metadata Rules Sharing

Maps  
by Wim Hugo — last modified Jun 02, 2012 10:10 PM  
There are currently no items in this folder.

Actions Display Add new... State: Private

- Collection
- Communities
- Configurable Map Content**
- Custodian
- Event
- File
- Folder
- Image
- Issue Tracker
- Link
- News Item
- Page
- Terms
- Window
- Restrictions...

Select 'Configurable Map'

Add a new configurable map

Information For ...

- First-Time Users
- Data Providers
- SAEON Collaborators
- Scientists
- Systems Developers

Partners

- SAEON
- CSIR
- Marine and Coastal Management
- SANPARKS
- SANBI
- SAIAB

Search the Portal

Click here to learn more about search capabilities, options, and automation.

Bulk Uploader

Choose your files :

Browse

saeon.dirisa.org/playpen/test-folder/maps/++add++cogis.mapviewer.saeonmap

# Provide a Title

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/fold` and a sub-page `saeon.dirisa.org/playpen/test-folder/maps/+++add+++cogis.mapviewer.saeonmap`. The page header includes navigation links for 'Site Map', 'Wim Hugo', 'Preferences', and 'Log Out', along with a search bar. A banner image shows a coastal landscape with the NRF (National Research Foundation) and SAEON (South African Environmental Observation Network) logos. Below the banner are navigation tabs for 'Home', 'Metadata', 'Communities', and 'Tutorial'. A breadcrumb trail indicates the current location: 'You are here: Home → Playpen → Test Folder → Maps'. The main content area is titled 'Add Configurable Map Content' and contains a form to 'Add a new configurable map'. The form has a 'Title' label and an empty text input field, which is highlighted by a red callout box containing the text 'Type a Title and Save'. Below the input field are 'Save' and 'Cancel' buttons. The left sidebar contains 'Information For ...' with links for 'First-Time Users', 'Data Providers', 'SAEON Collaborators', 'Scientists', and 'Systems Developers', and a 'Partners' section listing SAEON, CSIR, Marine and Coastal Management, SANPARKS, SANBI, SAIAB, and EKZNW. The right sidebar features a 'Search the Portal' button with a search icon and a link to learn more about search capabilities, and a 'Bulk Uploader' section with a 'Choose your files' label and a 'Browse' button.

# Blank Map Window

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/fold` and a specific page `saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The interface includes a top navigation bar with 'View', 'Edit', 'Rules', and 'Sharing' tabs. A left sidebar contains sections for 'SAEON' (with 'Test Map 3' selected), 'Information For ...' (listing user roles like First-Time Users, Data Providers, etc.), and 'Partners' (listing organizations like SAEON, CSIR, etc.). The main content area features a 'Test Map 3' title, a status bar indicating 'Item created', and a map of Southern Africa. The map includes a control panel on the left with navigation arrows and a backdrop selector on the right. Two red callout boxes are overlaid on the map, labeled 'Control Panel' and 'Backdrop Selector'. The right sidebar contains a 'My Portlet 1' section with text and a 'Search the Portal' button.

# Open Control Panel and Find Data

The screenshot shows the SAEON Dirisa Portal interface. The browser address bar displays `http://saeon.dirisa.org/fold` and `saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The page title is "Test Map 3".

On the left sidebar, there are sections for "SAEON" (with "Test Map 3" selected), "Information For ..." (listing user roles like First-Time Users, Data Providers, etc.), and "Partners" (listing organizations like SAEON, CSIR, etc.).

The main content area features a map of Southern Africa (Namibia, Botswana, Zimbabwe, South Africa) with a "Control" panel open. The "Control" panel shows a "Contents" list with "Search" selected. A red arrow points from the "Search" button in the control panel to a red button labeled "Click 'Search'".

Another red arrow points from the "Control" panel area to a red button labeled "Open Panel".

On the right sidebar, there is a "My Portlet 1" section and a "Search the Portal" button with the text "Click here to learn more about search capabilities, options, and automation." Below it is a "Manage portlets" link.

At the bottom of the page, the URL is `app01.saeon.ac.za/saeon/index.htm?MODE=SAVE_WM&SHOW_CONTROL=hide&URL=7859c8ca-acf1-11e1-8d30-001e6731ed14.xml&TOKEN=wim#`.

# Search for Data

The screenshot shows the SAEON Dirisa Portal search interface. The browser address bar displays `http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The page title is "Test Map 3" and it shows a notification "Item created" and "last modified Jun 02, 2012 10:28 PM". The search interface includes a "Simple Search" section with a text input field containing "WMS" and a "Search" button. Below this is an "Advanced Search" section with tabs for "Where", "What", "When", and "Map". The "Where" tab is active, showing a "Spatial Extent" table and a "Map" view of Southern Africa.

Spatial Extent:	
Min X:	-36.831468683357
Min Y:	18.087890625
Max X:	-19.710060776160
Max Y:	30.48046875

The "Operation:" section includes a "Spatial Type:" dropdown menu set to "Contained In" and a "Preselect:" dropdown menu set to "South Africa". The map view shows Botswana, Swaziland, Lesotho, and South Africa with major cities like Pretoria, Johannesburg, Maputo, Bloemfontein, and Durban marked.

Annotations include a red callout pointing to the "Search" button with the text "Click 'Search' after providing a term" and another red callout pointing to the left sidebar with the text "Close panel to save space".

Close panel to save space

Click 'Search' after providing a term

# Select a Data Source

The screenshot shows the Saeon Dirisa Portal search results page. The browser address bar displays <http://saeon.dirisa.org/fold> and the page URL is [saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view](http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view). The search results are displayed in a table with columns for a map thumbnail, title, and description. The first result is 'African Fire Information System (AFIS), hosted by Meraka Institute'. The second result is 'SAEON Spatial Data Repository', which is highlighted by a red arrow pointing to a red callout box. The third result is 'CIESIN Amphibians'. Below the search results, there is a 'Metadata' section for the 'SAEON Spatial Data Repository' and a 'Bounding Box' section with a map of Africa. The 'Metadata' section includes fields for Title, Identifier, Abstract, Source(s), and Keyword(s). The 'Bounding Box' section shows a map of Africa with a red bounding box around the country of South Africa. Three red callout boxes are overlaid on the right side of the page, pointing to specific elements: 'Select an Appropriate Data Source' points to the 'SAEON Spatial Data Repository' result; 'Data Source Details' points to the 'Metadata' section; and 'Link to Online Data' points to the 'Source(s)' field in the metadata section.

Search the Portal  
Click here to learn more about search capabilities, options, and automation.  
[Manage portlets](#)

Map Search  
Search Results Advanced Filters Analysis Map  
Find: Type: - All - Author: - All - Custodian: - All - View xn

**African Fire Information System (AFIS), hosted by Meraka Institute**  
MODIS active fire detections off TERRA and AQUA from Direct Broadcast downlinks in Pretoria, South Africa. Point dataset representing the pixel centroids of pixels whose brightness temperature stands out from the background pixels - i.e. a hotspot. Observations taken approx every 6 hours from either Aqua or Terra. Pixel is approx 1km<sup>2</sup> in size. None

**SAEON Spatial Data Repository**  
The South African Environmental Observation Network hosts data on behalf of providers, in addition to its own research and monitoring collections. None

**CIESIN Amphibians**  
WMS layer showing the family richness for amphibian species distribution. The layer represents a count of the number of species in each grid cell (30 arc-seconds resolution). None

**Hydrological basins in Africa**  
Major hydrological basins and their sub-basins. This dataset divides the African continent according to its hydrological characteristics. The dataset consists of the following information:

**Metadata**  
Open Link  
Title: SAEON Spatial Data Repository  
Identifier: 681493EA-AABB-448B-815D-C5CA045B562B  
Abstract: The South African Environmental Observation Network hosts data on behalf of providers, in addition to its own research and monitoring collections. None  
Source(s): <http://196.213.187.52/geooserver/wms?>  
Keyword(s): SAEON Environment Biodiversity

**Bounding Box**  
Map  
Google Terms of Use

Select an Appropriate Data Source

Data Source Details

Link to Online Data



# Select an Offering (Layer) within the Service

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The page displays a WMS service interface for "SAEON Egagasini Web Map Service".

**WMS: <http://196.213.187.52/geoserver/wms?>**

**Name:** OGC:WMS  
**Title:** SAEON Egagasini Web Map Service  
**Abstract:** A compliant implementation of WMS 1.1.1 plus most of the SLD 1.0 extension (dynamic styling). Can also generate PDF, S... GeoRSS. Supplies SAEON and related projects such as SAEOS, SARVA, NCCH with WMS services.

Select active layer:

- GEOSS:agep
- CGS:Peak Horizontal Acceleration Lines wgs84
- CGS:Soil\_susceptible\_to\_water\_erosion\_wgs84
- CGS:Soil\_susceptible\_to\_wind\_erosion\_wgs84
- CGS:groundwater\_vulnerability
- CGS:peak\_horizontal\_acceleration\_wgs84
- CGS:seismic\_intensities\_lines\_wgs84
- CGS:seismic\_intensities\_wgs84
- CGS:shifting\_sands\_wgs84\_ECape
- CGS:soils\_susceptible\_to\_acidification\_modifid\_in\_arcgis\_wgs84
- CGS:soluble\_rocks\_wgs84
- CGS:swelling\_clays\_wgs84
- GEOSS:agep**
- GEOSS:drastic
- GEOSS:rech\_mm
- GEOSS:saqual\_geo\_DDWGS84
- GEOSS:sayld\_geo\_DDWGS84
- GEOSS:ugep\_dry
- GEOSS:w1\_mamsl
- GEOSS:w1\_mbg1
- Harvest\_Test:10m\_coastline

**Bounding box:** minx = -180.0, miny = -85.222, maxx = 180.0, maxy = 83.6

Keyword(s): SAEON, Environment, Biodiversity

Search the Portal  
Click here to learn more about search capabilities, options, and automation.  
[Manage portlets](#)

Partners  
SAEON  
CSIR  
Marine and Coastal Management  
SANPARKS  
SANBI  
SAIAB  
EKZNV  
[Manage portlets](#)

One or more layers on offer

# Preview and add layers to map

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The page displays a WMS layer preview for 'GEOSS:agep'. The interface includes a search bar, a 'Results' tab, and a 'Map' tab. The WMS details are as follows:

- Name:** OGC:WMS
- Title:** SAEON Egagasini Web Map Service
- Abstract:** A compliant implementation of WMS 1.1.1 plus most of the SLD 1.0 extension (dynamic styling). Can also generate PDF, GeoRSS. Supplies SAEON and related projects such as SAEOS, SARVA, NCCH with WMS services.
- Select active layer:** GEOSS:agep
- Select style:** geoss\_sarva\_agep
- Download layer as:** [image/png](#), [application/atom+xml](#), [application/atom+xml](#), [application/openlayers](#), [application/pdf](#), [application/rss+xml](#), [application/rss+xml](#), [application/vnd.google-earth.kml](#), [application/vnd.google-earth.kml+xml](#), [application/vnd.google-earth.kml+xml](#), [application/vnd.google-earth.kmz](#), [application/vnd.google-earth.kmz+xml](#), [application/vnd.google-earth.kmz+xml](#), [atom](#), [image/geotiff](#), [image/geotiff8](#), [image/gif](#), [image/jpeg](#), [image/png8](#), [image/svg](#), [image/svg+xml](#), [image/svg+xml](#), [image/tiff](#)
- Layer name:** GEOSS:agep
- Layer title:** GRA2: Average Groundwater Exploitation Potential
- Layer abstract:** Groundwater Resource Assessment Phase 2, 2005. Average Groundwater Exploitation Potential for wet and dry conditions. 3m/km<sup>2</sup>/a - grid with 1kmX1km cells
- Style name:** geoss\_sarva\_agep
- Style title:**
- Bounding box:** minx = 16.074, miny = -34.887, maxx = 22.501, maxy = -29.501

Red callout boxes highlight the following features:

- Click to add to layer list:** Points to the 'Add to list' button.
- Possibly extra themes:** Points to the 'Select style' dropdown menu.
- Layer preview:** Points to the map showing the layer's data.
- Additional Meta-Data:** Points to the 'Layer abstract' field.
- Download Options:** Points to the 'Download layer as' section.

At the bottom of the browser window, the URL `app01.saeon.ac.za/saeon/search_portal.htm?bounds=14.671608,-40.488668,34.666726,-14.91285#` is visible.

# Customisation

The screenshot shows a web browser window with the URL `saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The page title is "Test Map 3" and it indicates it was last modified on Jun 02, 2012 at 10:28 PM. The main content is a map of South Africa with various colored regions. A red line highlights a specific area in the eastern part of the country. The map interface includes a search bar, a "Map" tab, and a vertical zoom control on the left side. On the right side, there is a "Search the Portal" button and a "Manage portlets" link. On the left side, there is a list of organizations: SAEON, CSIR, Marine and Coastal Management, SANPARKS, SANBI, SAIAB, and EKZNW, with a "Manage portlets" link below it.

Back to Map Tab

Zoom

Test Map 3  
— last modified Jun 02, 2012 10:28 PM

Map Search

SAEON  
CSIR  
Marine and Coastal Management  
SANPARKS  
SANBI  
SAIAB  
EKZNW

Manage portlets

Search the Portal  
Click here to learn more about search capabilities, options, and automation.

Manage portlets

# Set Transparency

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The page title is "Test Map 3" and it was last modified on Jun 02, 2012 10:28 PM. The interface includes a left sidebar with "Information For ..." and "First-Time Users" sections, and a "Management" section listing "SANPARKS", "SANBI", "SAIAB", and "EKZNW". A "Control" panel is open, showing a list of layers: "Google Streets", "Google Physical", "Google Hybrid", "Google Satellite", and "GRA2: Average Groundwater Expl..." (WMS). The "Properties" panel for the selected layer shows "Transparency" set to 0%. A "Legend" panel is also visible, showing a color scale from -21440.0 to 50000.0. A map on the right shows a geographical area with a red line and blue/purple shaded regions. A search box and "Search the Portal" button are on the right side.

**Open Control Panel**

**Select Layer**

**Set Transparency**

**Legend**

Information For ...  
First-Time Users  
Management  
SANPARKS  
SANBI  
SAIAB  
EKZNW  
[Manage portlets](#)

**Test Map 3**  
— last modified Jun 02, 2012 10:28 PM

Control  
Contents Remove  
Name Type  
Google Streets Google  
Google Physical Google  
Google Hybrid Google  
Google Satellite Google  
GRA2: Average Groundwater Expl... WMS

Properties  
Name Value  
Name GRA2: Average Groundwater Exp...  
Title GRA2: Average Groundwater Exp...  
Abstract  
Link  
Base Layer   
Visible   
Transparency 0%  
0%  
10%  
20%  
30%  
40%  
50%  
60%  
70%

Legend  
-21440.0  
0.0 = x  
50000.0 =

Map Search  
Search the Portal  
Click here to learn more about search capabilities, options, and automation.  
[Manage portlets](#)

MODE=SAVE\_WMCSHOW\_CONTROL=hide&URL=7859c8ca-acf1-11e1-8d30-001e6731ed14.xml&TOKEN=wim#

# Change Backdrop

The screenshot shows a web browser window with the URL <http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view>. The page title is "Test Map 3" and it was last modified on Jun 02, 2012 10:28 PM. The main content is a map of South Africa with various geographical features and data overlays. A red arrow points to a button labeled "Open Layer Panel" on the left side of the map. A blue panel on the right side of the map shows the following layers and overlays:

- Base Layer
  - Google Streets
  - Google Physical
  - Google Hybrid
  - Google Satellite
- Overlays
  - GRA2: Average Groundwater Exploitation Potential

Other elements on the page include a search bar, a "Search the Portal" button, and a "Manage portlets" link. The map shows major cities like Cape Town, Johannesburg, and Durban, as well as geographical features like the Orange River and the Drakensberg mountains.

# Save ...

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/fold` and several tabs. The main content area displays a map titled "Test Map 3" with a control panel on the left and a legend at the bottom. A red callout box with the text "SAVE THE MAP!" points to the "Save Web Map Context" button in the control panel. The control panel also includes options for "Load Web Map Context", "Favourites", and "Search". The map shows a geographical area with various cities and a legend for "GRA2: Average Groundwater Exploitation Potential". The legend includes a color scale from -21440.0 to 50000.0. The browser's address bar shows the URL `saeon.dirisa.org/playpen/test-folder/maps/test-map-3/view`. The browser's status bar at the bottom displays the URL `app01.saeon.ac.za/saeon/index.htm?MODE=SAVE_WM&SHOW_CONTROL=hide&URL=7859c8ca-acf1-11e1-8d30-001e6731ed14.xml&TOKEN=wim#`.

Information For ...  
First-Time Users

**SAVE THE MAP!**

Partners  
SAEON  
CSIR  
Marine and Coastal Management  
SANPARKS  
SANBI  
SAIAB  
EKZNW  
[Manage portlets](#)

### Test Map 3

— last modified Jun 02, 2012 10:28 PM

Control

Contents

Load Web Map Context	Type
Save Web Map Context	Google
Favourites	Google
Search	Google

GRA2: Average Groundwater Expl... WMS

Map Search

Base Layer

- Google Streets
- Google Physical
- Google Hybrid
- Google Satellite

Overlays

- GRA2: Average Groundwater Exploitation Potential

Properties

Name	Value
Name	GRA2: Average Groundwater Exp...
Title	GRA2: Average Groundwater Exp...
Abstract	
Link	
Base Layer	<input checked="" type="checkbox"/>
Visible	<input checked="" type="checkbox"/>
Transparency	50%

Legend

-21440.0 > x

0.0 = x

50000.0 = x

Search the Portal  
Click here to learn more about search capabilities, options, and automation.  
[Manage portlets](#)

app01.saeon.ac.za/saeon/index.htm?MODE=SAVE\_WM&SHOW\_CONTROL=hide&URL=7859c8ca-acf1-11e1-8d30-001e6731ed14.xml&TOKEN=wim#

# Confirmation Message

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/fold` and several tabs. The main content area displays a map titled "Test Map 3" with a "Control" panel on the left and a "Properties" panel at the bottom. A confirmation dialog box is overlaid on the map, displaying the message: "WMC 'WMC/wim/7859c8ca-acf1-11e1-8d30-001e6731ed14.xml' written successfully." with an "OK" button. On the right side, there is a "Search the Portal" button and a "Manage portlets" link. A red arrow points from the "Manage portlets" link to a red box containing the text "Note 'Manage Portlets'".

Information For ...

- First-Time Users
- Data Providers
- SAEON Collaborators
- Scientists
- Systems Developers

Partners

- SAEON
- CSIR
- Marine and Coastal Management
- SANPARKS
- SANBI
- SAIAB
- EKZNW

Manage portlets

## Test Map 3

— last modified Jun 02, 2012 10:28 PM

Control

Name	Type
Google Streets	Google
Google Physical	Google
Google Hybrid	Google
Google Satellite	Google
GRA2: Average Groundwater Expl...	WMS

Map Search

Base Layer

- Google Streets
- Google Physical
- Google Hybrid
- Google Satellite

Overlays

- GRA2: Average Groundwater Exploitation Potential

Properties

Name	Value
Name	GRA2: A
Title	GRA2: A
Abstract	
Link	
Base Layer	<input checked="" type="checkbox"/>
Visible	<input checked="" type="checkbox"/>
Transparency	50%

Legend

-21440.0 > x

0.0 = x

50000.0 = x

100000.0 = x

Search the Portal

Click here to learn more about search capabilities, options, and automation.

Manage portlets

Note 'Manage Portlets'

# Hide Portlets to Create Space, if Needed

The screenshot shows a web browser window with the URL `http://saeon.dirisa.org/playpen/test-folder/maps/test-map-3/@manage-portlets`. The page title is "Manage portlets for 'Test Map 3'".

**Left sidebar:**

- Add portlet... (dropdown)
- Portlets assigned here
- Inherited portlets
  - Navigation
  - Information For ...
  - Partners
  - Navigation
  - Log in
- Block/unblock portlets
  - Parent portlets: Do not block (dropdown)
  - Group portlets: Use parent settings (dropdown)
  - Content type portlets: Use parent settings (dropdown)
  - Save Settings (button)

**Center content:**

**Manage portlets for "Test Map 3"**  
Return

The portlet columns will now display only those portlets explicitly assigned in this context. Use the buttons on each portlet to move them up or down, delete or edit them. To add a new portlet, use the drop-down list at the top of the column.

If you wish to block or unblock certain categories of portlets, you can do so using the drop-down boxes.

**Right sidebar:**

- Add portlet... (dropdown)
- Portlets assigned here
- Inherited portlets
  - My Portlet 1
  - Log in
  - Search
  - Review list
  - News
  - Events
  - Bulk Uploader
- Block/unblock portlets
  - Parent portlets: Block (dropdown menu open, showing Block, Do not block, Use parent settings)
  - Content type portlets: Use parent settings (dropdown)
  - Save Settings (button)

**Red Callout Boxes:**

- Block Parent Portlets:** Points to the "Block" option in the "Parent portlets" dropdown on the right sidebar.
- Save Settings:** Points to the "Save Settings" button at the bottom of the right sidebar.

**Page Footer:** CoGIS is Copyright © 2000-2011 by Qsens.is, CSIR and other partners et al. CoGIS is Open Source and is licensed under the LGPL license.



# Large Map Window

http://saeon.dirisa.org/fold x Saeon — Dirisa Portal x Test Map 3 — Dirisa Portal x

saeon.dirisa.org/playpen/test-folder/maps/test-map-3/

You are here: Home → Playpen → Test Folder → Maps → Test Map 3

SAEON

Test Map 3

View Edit Rules Sharing

Actions State: Private

## Test Map 3

— last modified Jun 02, 2012 10:28 PM

Map

Transfontier Park, Kalahari CBDC, Vryburg, Schweizer-Reneke, Klerksdorp, Orkney, Viljoenskroon, Heilbron, Frankfort, Volks, Bloemhof, Christiana, Welkom, Virginia, Senekal, Bethlehem, Harrismit, Phuthaditjhaba, Lad, Ficksburg, Maseru, Mafeteng, Lesotho, Bloemfontein, Ladybrand, Botshabelo, Kimberley, Delpoortshoop, Boshof, Winburg, Hopetown, Prieska, Phillipolis, Bethulie, Venterstad, Aliwal North, Barkly East, Douglas, Upington, Kenhardt, Prieska, Hopetown, Phillipolis, Bethulie, Venterstad, Aliwal North, Barkly East, South

Information For ...

- First-Time Users
- Data Providers
- SAEON Collaborators
- Scientists
- Systems Developers

Partners

- SAEON
- CSIR
- Marine and Coastal Management
- SANPARKS
- SANBI
- SAIAB
- EKZNW

[Manage portlets](#)