
IGAD Geoportal Documentation

Release 1.0

GeoSolutions s.a.s.

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Contents:

1	Introduction	1
1.1	GeoNode	1
1.2	IGAD Geoportal	2
2	IGAD Spatial Web Portal Overview	3
2.1	Welcome Page	3
2.2	Main Functionalities	3
2.2.1	Data	3
2.2.2	Maps	5
2.2.3	About	5
2.2.4	Thematic Areas	5
2.2.4.1	Sidebar Menu	8
2.2.4.2	Thematic Categories	8
2.2.4.3	Sidebar Filters	10
2.2.5	Resources	12
2.2.6	Knowledge Management Tools	12
3	Users Tutorial	15
3.1	Managing Account	15
3.1.1	Registration	15
3.1.2	Manage Own Account	16
3.1.3	Exploring People and Groups	16
3.2	Managing Data	19
3.2.1	Uploading layers	19
3.2.2	Edit Layer Metadata	21
3.2.3	Layer Styling	25
3.2.3.1	Creating New Style	26
3.2.3.2	Managing Styles	26
3.2.4	Managing Temporal Data	26
3.2.4.1	Uploading Data	30
3.2.5	Managing Remote Services	35
3.2.5.1	Adding Remote Service	35
3.2.5.2	Exploring Remote Services	42
3.3	Managing Maps	42
3.3.1	Creating Map	42
3.3.2	Sharing Map	47

4	Administrators Tutorial	49
4.1	Django Administration Functionalities	49
4.2	Managing Users, Groups and Data	49
4.2.1	Managing Users	51
4.2.1.1	Adding User	51
4.2.1.2	Modifying User	52
4.2.2	Managing Groups	52
4.2.3	Managing Data	52
4.2.4	Managing Maps	53
4.3	Portal Customization	53
4.3.1	Creating Menus and Menu items	53
4.3.1.1	Creating Menu in the Topbar	54
4.3.1.2	Creating Menu in the Sidebar	54
4.3.2	Creating New Thematic Areas and Keywords	57

1.1 GeoNode



GeoNode is a geospatial content management system, a platform for the management and publication of geospatial data. It brings together mature and stable open-source software projects under a consistent and easy-to-use interface allowing non-specialized users to share data and create interactive maps.

Data management tools built into GeoNode allow for integrated creation of data, metadata, and map visualizations. Each dataset in the system can be shared publicly or restricted to allow access to only specific users. Social features like user profiles and commenting and rating systems allow for the development of communities around each platform to facilitate the use, management, and quality control of the data the GeoNode instance contains.

It is also designed to be a flexible platform that software developers can extend, modify or integrate against to meet requirements in their own applications.

GeoNode allows users to:

- Browse and search for geospatial data.
- Upload and share geospatial data, securely.
- Create and share interactive web maps.

Visit the [GeoNode Official Website](#) and [GeoNode Documentation](#) to learn more.

1.2 IGAD Geoportal



IGAD Spatial Web Portal is an extension of GeoNode. This portal is intended to provide spatial services to larger audience with no or little GIS experience. Layers are given for further use in GIS environment by experts. Finished and ready to use map products are listed at the “Documents and Maps” category. Users can also compose their maps interactively making use of the base maps and layers provided in the portal.

A Geospatial Portal is a browser-based that enables users to find, view, query, analyze, and consume geospatial data and web services published by their servers and those of third parties. It offers advanced client-side discovery, connection, and interaction through a simple client browser that provides an intuitive and attractive user experience. Well, **GeoNode is more than that!!**

Geonode This section will introduce you briefly to GeoNode.

IGAD Geoportal This section will introduce you to IGAD Spatial Web Portal based on GeoNode.

IGAD Spatial Web Portal Overview

2.1 Welcome Page

IGAD Spatial Web Portal welcome page presents several functionalities, one can view and modify existing spatial layers and maps, as well as find information on other users and groups.

At the top of the page you can find the top menu bar showing menus to view data, maps, people, thematic areas, links and a search field. Below there is a listing of dataset categories and of recently featured datasets.

2.2 Main Functionalities

Without being logged in, you are limited to read-only access of public layers. Let us explore the top menu bar.

The first three menus of the menu bar (i.e. Data, Maps and About) are identical to the menus of GeoNode. Further details can be found at the website of [GeoNode](#) and its [documentation](#).

2.2.1 Data

This menu list allows the user to explore, or to manage (if logged in), local or remote layers (vector or raster) and the associated metadata documents (such as Pdf, images, tabular data etc.).

1. **Drop down** the *Data* menu then **Click** on *Layers* button.
2. **Choose** a layer and **Click** on its name.

Here you can view the layer on a basemap, informations about the layer and other available options.

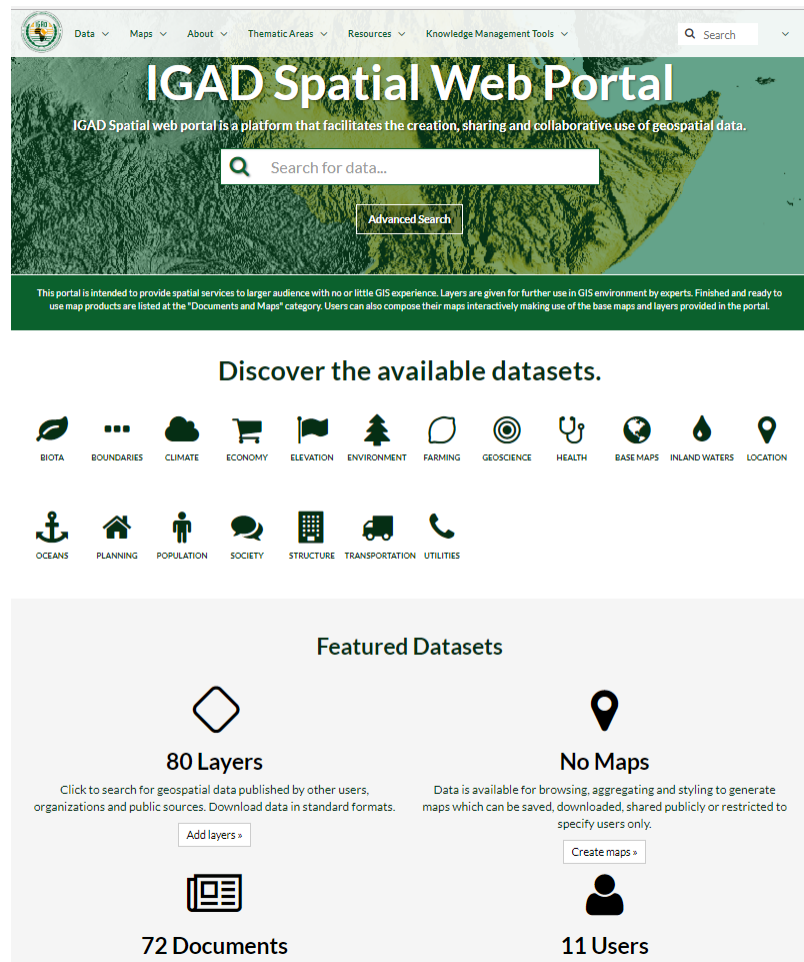


Fig. 1: *Welcome page*

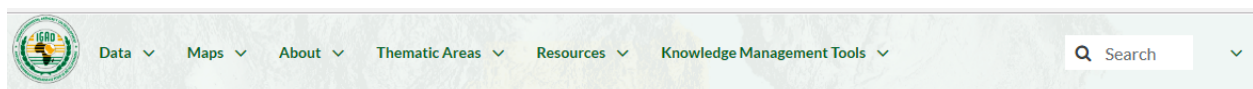


Fig. 2: *Menu bar*

The screenshot shows the IGAD Geoportal interface. At the top is a green navigation bar with the IGAD logo and menu items: Data, Maps, About, Thematic Areas, Resources, and Knowledge Management Tools. A search bar and 'Register'/'Sign in' links are on the right. Below the navigation bar, the 'Explore Layers' section is active. On the left, there's a sidebar with 'Selected Layers' (containing instructions to add layers via checkboxes and a 'Create a Map' button) and a 'Filters' section with expandable categories: TEXT, KEYWORDS, TYPE, CATEGORIES, OWNERS, DATE, and REGIONS. The main content area displays '80 Layers found'. Two layer cards are visible: 1. 'ne_10m_rivers_europe' by GEOSCIENTIFIC INFORMATION, SUDAN, dated 11 May 2018. 2. 'amboseli all species distribution' by BIOTA, KENYA, dated 30 Apr 2018. Each card features a thumbnail map, a title, a description, and metadata including author, date, view count, and a 'Create a Map' link.

2.2.2 Maps

Maps consist in overlaying various layers and their styles. This toolbar allows you to create a map based on the uploaded layers combining them with some existing layers and a remote web service layer, and then (If logged in) share the resulting map for public viewing.

1. **Click** on *Maps* menu. Already existing maps will be shown.
2. **Choose** a map and **Click** on its name.


Here you can view the map, active layers of the map and other available options.

2.2.3 About

This menu allows you to explore people, groups and their activities within the portal and will be explained in detail in the tutorials.

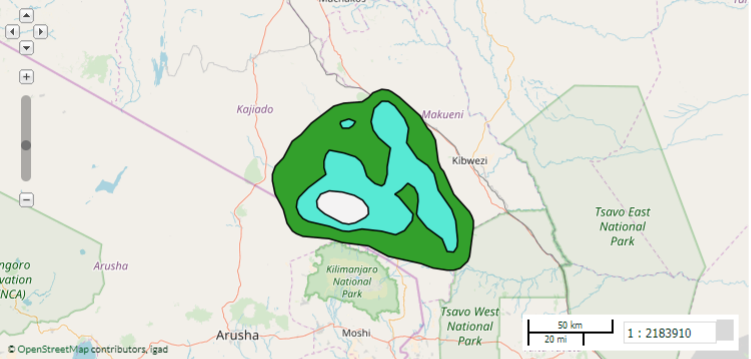
2.2.4 Thematic Areas

This platform has been created and powered by GeoNode with the aim to support mainly the Biodiversity Programme. Specifically, the **Thematic Areas menu** is customized and includes several options that contain finished and ready Geospatial data.


[Data](#)
[Maps](#)
[About](#)
[Thematic Areas](#)
[Resources](#)
[Knowledge Management Tools](#)

[Register](#)
[Sign in](#)

amboseli all species distribution



[Info](#)
[Attributes](#)
[Share](#)
[Ratings](#)
[Comments](#)

Title	amboseli all species distribution
License	Not Specified
Abstract	No abstract provided
Publication Date	April 30, 2018, 1:57 a.m.
Type	Data
Keywords	actualevap, Biodiversity, Tourism and Biodiversity, PIA1: Natural Resources
Category	Biota
Regions	Global, Africa, Central Africa, East Africa, Kenya, United Republic of Tanzania, Asia, East Asia, South Asia, Pacific, Kiribati
Owner	igad
Group	Kenya

[More info](#)

[Layer WMS GetCapabilities document](#)

Metadata Detail


Download Metadata


Maps using this layer
 This layer is not currently used in any maps.

Create a map using this layer
 Click the button below to generate a new map bas

Create a Map

External service layer
 Source:
 Type:

About
 Owner, Point of Contact, Metadata Author
 igad
 No Group


[Data](#)
[Maps](#)
[About](#)
[Thematic Areas](#)
[Resources](#)
[Knowledge Management Tools](#)

Explore Maps

Create a New Map

Selected Maps

Add maps through the "checkboxes".

Set permissions

Filters

TEXT

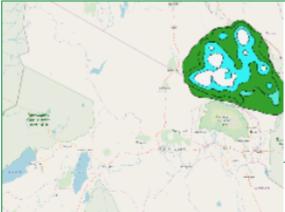
Search by text

KEYWORDS

CATEGORIES

Clear

1 Maps found

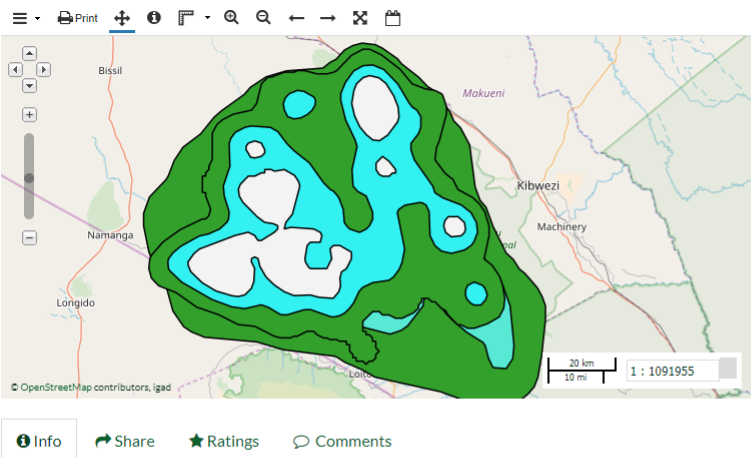


Test map

jemal 11 May 2018 0 0 0

View Map

page 1 of 1



Map Layers

This map uses the following layers:

- geonode:amboseli_all_species_distribution_1
- geonode:amboseli_wildebeest_distribution_1

Copy this map

Duplicate this map and modify it for your own pur

Create a New Map

Map WMS

WMS layer group for local map layers:
(on local OWS)

About

Owner, Point of Contact, Metadata Author

admin
No Group

Info **Share** **Ratings** **Comments**

Title Test map
License Not Specified **Info**
Publication Date May 11, 2018, 10:35 a.m.
Regions Global
Owner admin

More info -

Map layers WMS GetCapabilities document

About **Thematic Areas** **Resources** **Knowledge Management Tools** **Search** **Register** **Sign in**

People
Groups
Group Categories
Invite Users

irapp
No Organization Info
14 0 16

IGAD SEC
IGAD Secretariat
21 0 19

icpald
No Organization Info
10 0 20

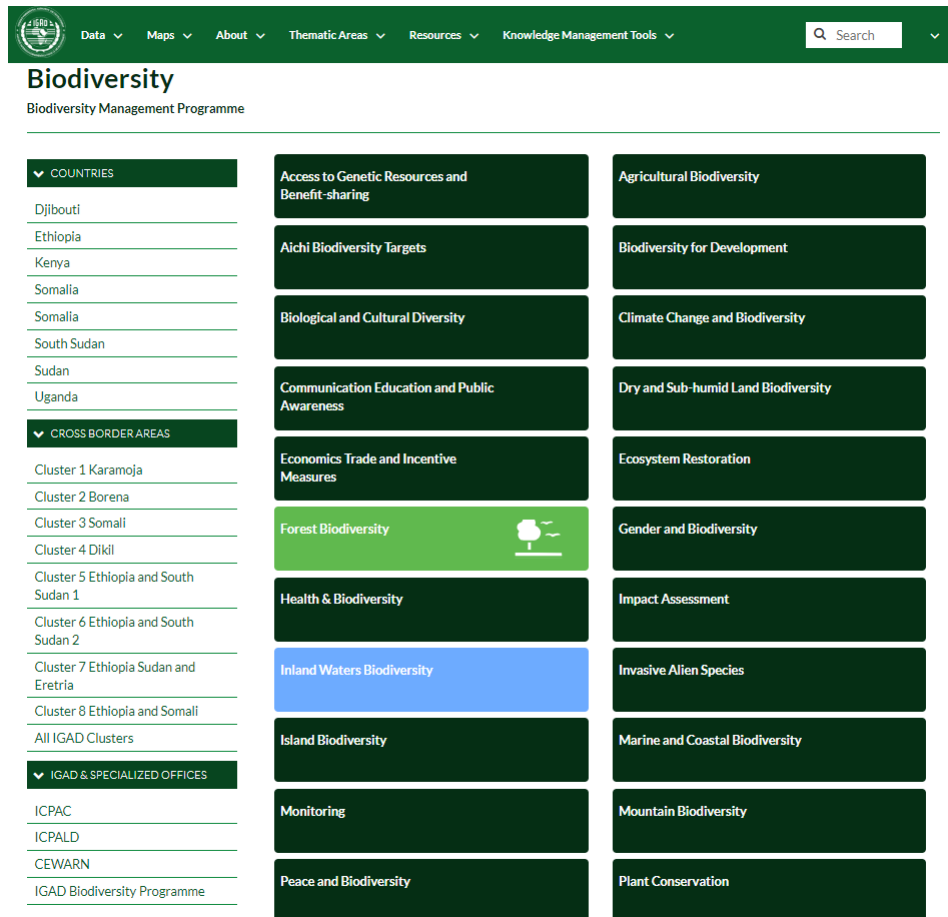
ICPAC
No Organization Info
8 0 8

Thematic Areas **Resources** **Knowledge Management Tools**

AU 2063
Biodiversity
IDDRSI PIA
SDG

Fig. 3: Thematic Area menu

Let us explore the contents of the options in the **Thematic Areas menu**. For example, Click the **Biodiversity** option. You will be redirected to a new page containing a **Sidebar menu** and a list of Thematic categories.



2.2.4.1 Sidebar Menu

The **Sidebar** is divided in three groups:

- **COUNTRIES:** a list of IGAD countries that allows the user to explore the layers in a specific country.
- **CROSS BORDER AREAS:** contains the layers that fall between the borders of the countries.
- **IGAD & SPECIALIZED OFFICES:** external links about IGAD Programmes.


2.2.4.2 Thematic Categories

The **Thematic categories** tabs contain layers related to a specific created classes.

Note: The color of the tab is significant. Dark green tabs are empty and does not contain any layer.

Click the *Forest Biodiversity* tab. You will be addressed to a new page that shows the layers related to the current tab.

Moreover, a new sidebar menu will appear based on several filters.



- Data
- Maps
- About
- Thematic Areas
- Resources
- Knowledge Management Tools

Forest Biodiversity

Selected Objects

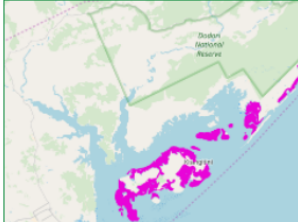
Add objects through the "checkboxes".

Set permissions

Filters Clear

- TEXT
- KEYWORDS
- TYPE
- CATEGORIES
- OWNERS
- DATE
- REGIONS
- EXTENT
- COUNTRIES
- CROSS BORDER AREAS
- IGAD & SPECIALIZED OFFICES

6 found

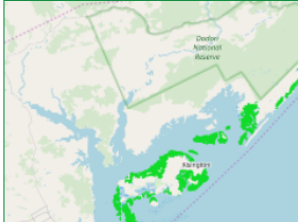


BIOTA

Pate-kiunga Mangrove extent 2000

This layer shows the extent of mangrove cover of Pate Kiunga seascape in 2000. The cover map was developed by CORDIO EA through Landsat Image classification under the International Centre for Research in Agroforestry (ICRAF)-led project funded by the Inter-Governmental Authority on Development (IGAD...

igad 27 Apr 2018 0 0 0 Create a Map




BIOTA

Pate-kiunga Mangrove extent 2005

This layer shows the extent of mangrove cover of Pate Kiunga seascape in 2005. The cover map was developed by CORDIO EA through Landsat Image classification under the International Centre for Research in Agroforestry (ICRAF)-led project funded by the Inter-Governmental Authority on Development (IGAD...

igad 27 Apr 2018 0 0 0 Create a Map



BIOTA

Pate-kiunga Mangrove extent 2010

This layer shows the extent of mangrove cover of Pate Kiunga seascape in 2010. The cover map was developed by CORDIO EA through Landsat Image classification under the International Centre for Research in Agroforestry (ICRAF)-led project funded by the Inter-Governmental Authority on Development (IGAD...

Fig. 4: Layers in the Forest Biodiversity tab

2.2.4.3 Sidebar Filters

There are two ways to apply filters:

1. OR type filter:

- **Navigate** to the **Data** menu and **click** on the layers option to explore all the existing layers in the portal (see *Fig. 1*).

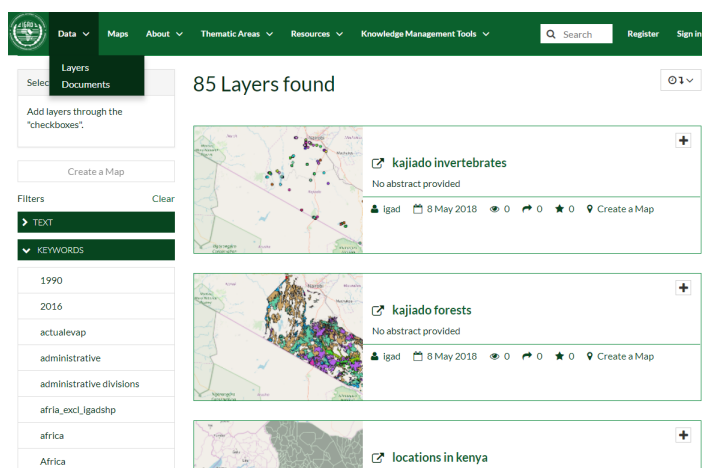


Fig. 5: *Fig. 1*

- **Expand** the **KEYWORDS** Filter. **Select**, for example, *actual evap* item (will be highlighted in blue), all the layers related to the selected option will be found (see *Fig. 2*).

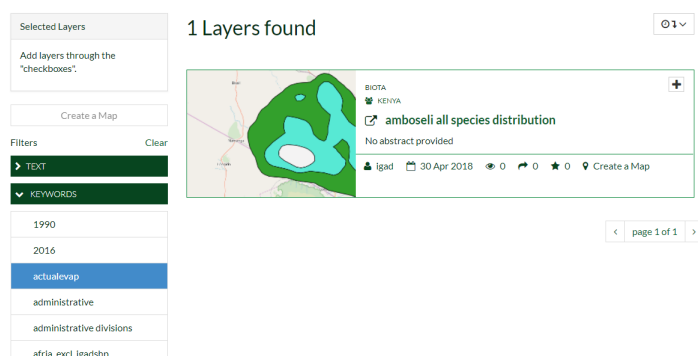


Fig. 6: *Fig. 2*

- Next **Select** the keyword *administrative*, further layers related to the selected keys will be added to the selection (see *Fig. 3*).

Note: Note that filtering the data using many keywords will apply an **OR** filter.

2. AND type filter:

- **Click** on *Clear* to reset the filters. You will be redirected to the main layers page as in *Fig. 1*.
- **Expand** the **OWNER** Filter. **Select**, for example, *igad* item, all the layers related to the selected item will be found (see *Fig. 4*).

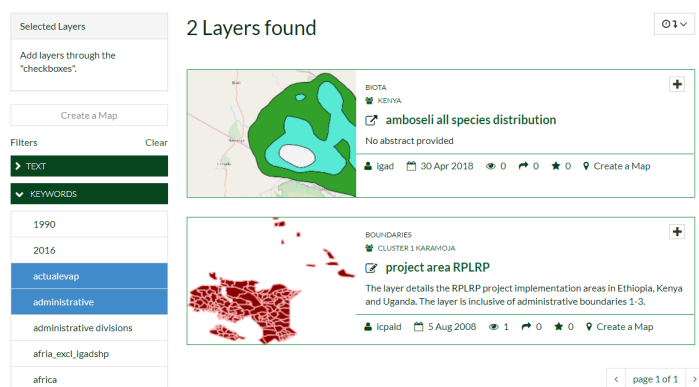


Fig. 7: Fig. 3

Explore Layers

Upload Layers

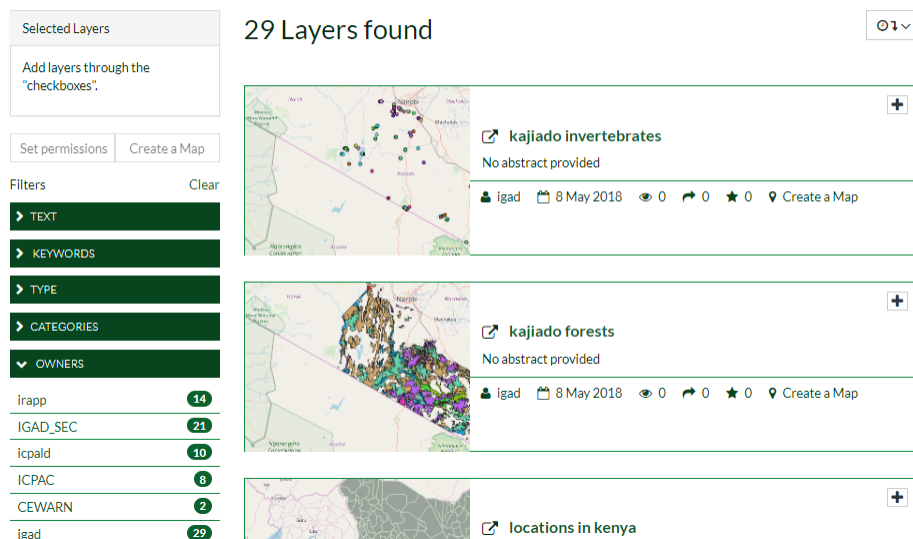


Fig. 8: Fig. 4

- Next **Expand** the *TYPE Filter* and **Select** *Vector Layers* item. Layers that are owned by *igad* **AND** are vectors will be selected only (see *Fig. 5*).

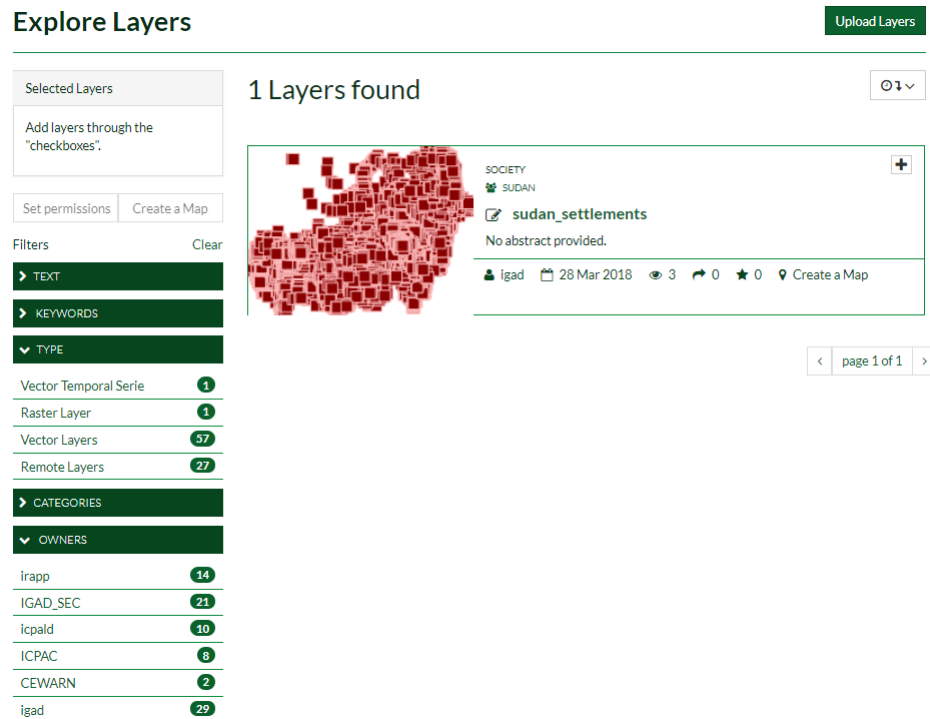
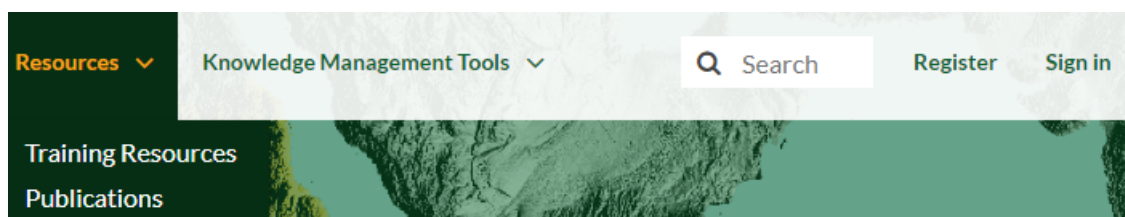


Fig. 9: Fig. 5

Note: Note that filtering the data using items from different filters lists will apply an **AND** filter.

2.2.5 Resources

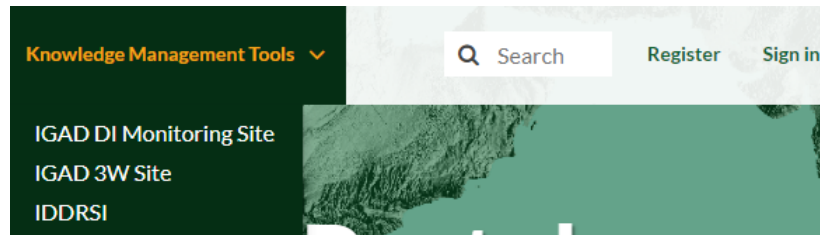
This menu contains documentations, training materials and publications.



2.2.6 Knowledge Management Tools

This menu contains links that are related to IGAD programmes.

In order to get started, let us look at the portal interface and get an idea of how to navigate around it.



Welcome Page An overview on the welcome page.

Main Functionalities This section introduces the *Top Menu Bar* which is the core of the portal. You will be also able to understand some basic concepts of the portal infrastructure.

CHAPTER 3

Users Tutorial

This tutorial is addressed to basic users and will teach the user how to use the portal.

You will learn how to:

1. Manage the user account and how to modify it.
2. Use the searching tools.
3. Manage Data and Maps, update the styles and publish them.
4. Load datasets into the portal.

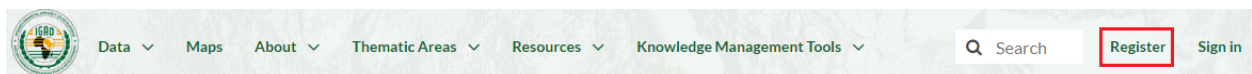
3.1 Managing Account

This section will guide you through the account registration, updating your account information, and viewing other user accounts.

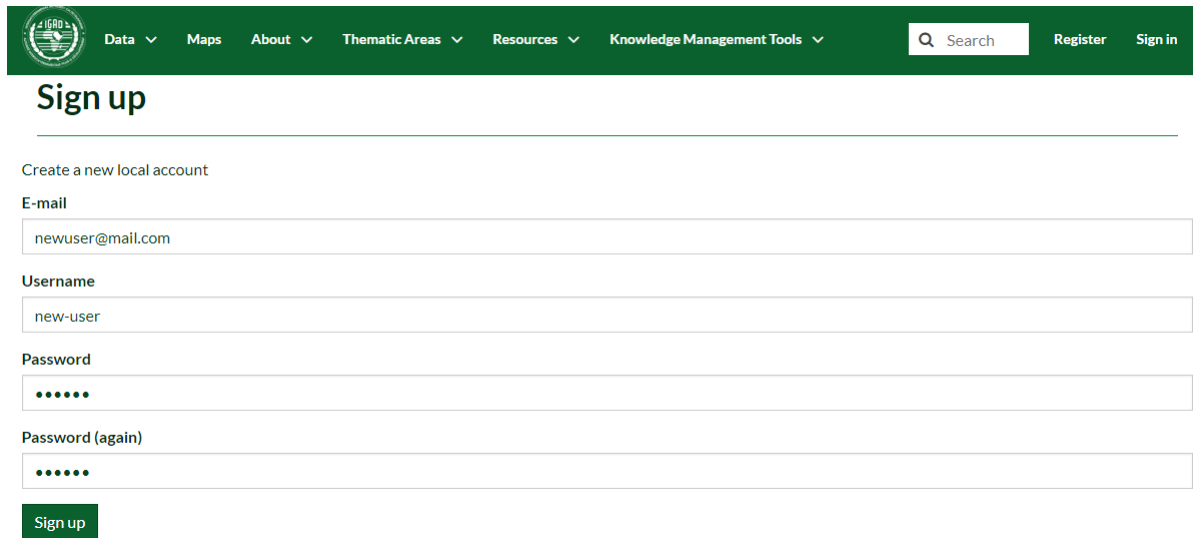
3.1.1 Registration

In order to upload, save and edit your layers, to create your maps, to join groups and interact with other users, you need to create an account.

1. **Click** on *Register* from the top bar.



2. **Fill out** the sign up form by providing your e-mail, a username and a password.



Sign up

Create a new local account

E-mail

newuser@mail.com

Username

new-user

Password

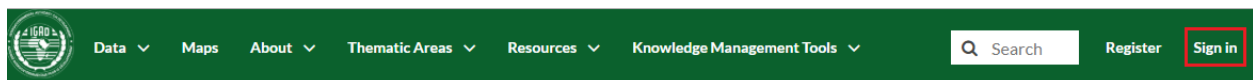
.....

Password (again)

.....

Sign up

Once the administrators approved your account, you will receive a confirmation and you can sign in the portal.



Account Pending Approval

We have sent the administrators a notice to approve your account associated with **newuser@mail.com**. If the account is approved, you will receive a confirmation notice.

3.1.2 Manage Own Account

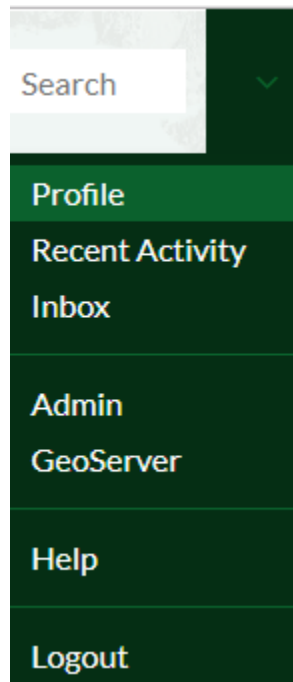
After signing in:


1. **Click** on *Profile* from the account menu.
2. On the new page, you can edit your personal information, show your activities or to set when to get notified and many other options.

3.1.3 Exploring People and Groups

Now that your account is created, you can view other users accounts and join groups on the system.


1. From the *About* menu, **Click** on *People*. **Choose** a user and **Click** on it. You will be redirected to a new page showing the informations about the user, his layers and his activities.
2. From the *About* menu, **Click** on *Groups*. There are three groups categories:
 - Public: Any registered user can view and join a public group.





new-user

Position	Not provided.
Organization	Not provided.
Location	Not provided.
Voice	Not provided.
Fax	Not provided.
Description	Not provided.
Keywords	Not provided

 User layers WMS GetCapabilities document

Message User

Edit profile

Connected social accounts

Associated e-mails

Set/Change password

Upload new layers

Create a new map

My Activities

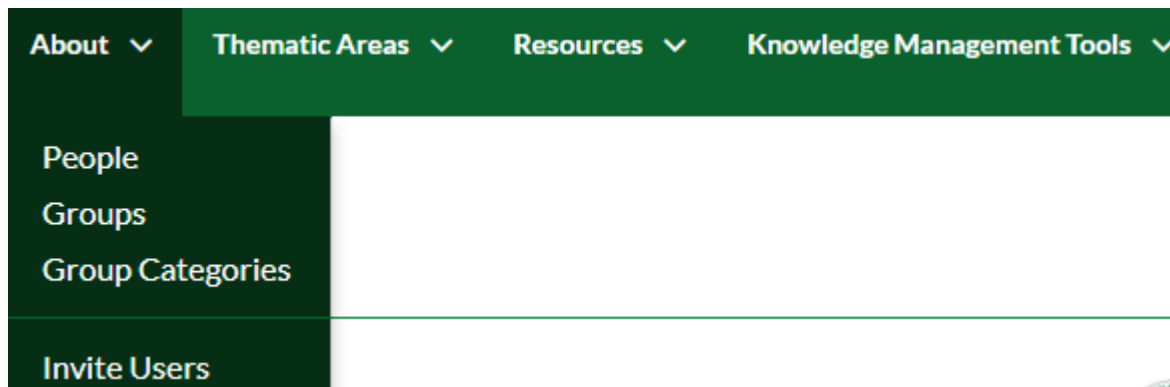
Notifications

Invite Users

Resources

[All contents](#)
[Layers](#)
[Maps](#)
[Documents](#)

No content created yet.



IGAD_SEC



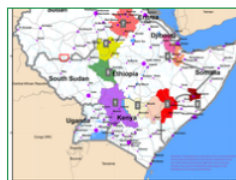
Position	Not provided.
Organization	IGAD Secretariat
Location	DJI DJI
Voice	Not provided.
Fax	Not provided.
Description	Not provided.
Keywords	Not provided

- [Message User](#)
- [User Activities](#)

User layers WMS GetCapabilities document

Resources

[All contents](#) [Layers](#) [Maps](#) [Documents](#)

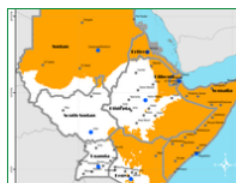


BOUNDARIES

IGAD Cross Border Clusters (proposed and existing)

The map shows the 4 existing IGAD cross border clusters and 4 proposed new clusters. These geographical entities are suggestive working areas in a cross border cooperation that IGAD is championing

IGAD_SEC 12 Jul 2016 1 0 0



CLIMATOLOGY METEOROLOGY ATMOSPHERE

IGAD ASAL

This map shows areas that have annual average rainfall of less than 600 mm.

IGAD_SEC 4 Apr 2016 1 0 0



INLAND WATERS

igad_watersheds


No abstract provided.

IGAD_SEC 24 Jan 2016 1 0 0
[Create a Map](#)

- Public (invite-only): Any registered user can view the group. Only invited users can join.
 - Private: Registered users cannot see any details about the group, including membership. Only invited users can join.
3. **Choose** a group and **Click** on it. On the new page, you will see its members, their role and the group permissions.


IGAD Secretariat

Last Modified: May 14, 2018, 10:52 a.m.




IGAD Secretariat

Members



igad
No Organization Info

30 0 1



IGAD_SEC
IGAD Secretariat

21 0 19


Group Activities

Permissions


This group is **Public**. Anyone may join this group.

Join Group

Managers



IGAD_SEC
IGAD Secretariat



igad
No Group

< page 1 of 1 >

4. **Click** on *Join Group*. In case the group is public, you will be added automatically.

3.2 Managing Data

A layer is a slice or stratum of the geographic reality. Layers are a published resource representing a raster or vector spatial data source. Layers also can be associated with metadata, ratings, and comments. This section will introduce you how to upload, download, change the style or share a layer.

3.2.1 Uploading layers

The following steps will explain how to upload your own layer. For example you can download a shapefile from the net. A shapefile format (.shp) can spatially describe vector features: points, lines, and polygons, representing, for example, point of interests, roads, and buildings. After downloading the shapefile:

1. From the top menu, **Scroll down** the *Data* menu then **Click** on *Upload Layer*. This will open the upload form.

Note: Note that, since you are logged in, now the **Data menu** contains two blocks of options. The first block

IGAD Secretariat

Last Modified: May 14, 2018, 10:52 a.m.



IGAD Secretariat

Group Activities

Permissions

This group is **Public**. Anyone may join this group.

Managers

- IGAD_SEC
IGAD Secretariat
- igad
No Group

Members

igad
 No Organization Info

◇ 30
📍 0
📄 1

IGAD SEC
 IGAD Secretariat

◇ 21
📍 0
📄 19

new-user
 No Organization Info

◇ 0
📍 0
📄 0

< page 1 of 1 >

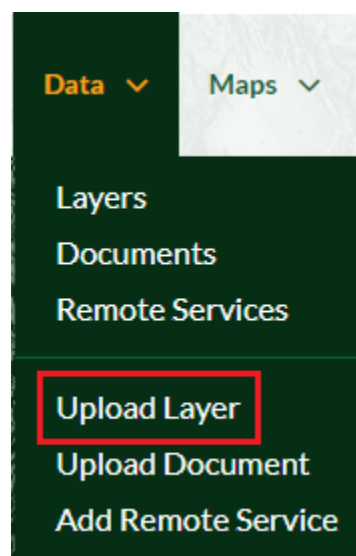


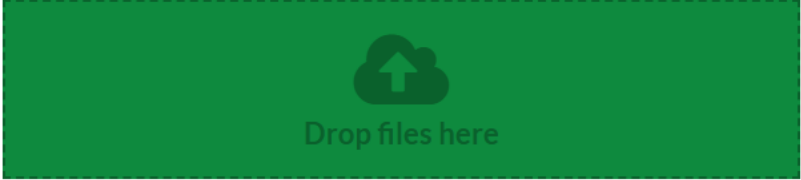
Fig. 1: *Data menu*

includes options to view, and optionally to examine, already existing Layers, Documents and Remote Services in the portal. The second block allows the user to upload his own Layers, Documents or to add a Remote Service into the portal.

2. **Click** on the *Choose Files* button. Navigate to your data folder and select all of the four files composing the shapefile (.shp, .dbf, .shx, .prj). Alternatively you could drag and drop the four files in the *Drop files here* area. You can also upload a zipped folder containing the files above.

Upload Layers

[Explore Layers](#)



Drop files here

or select them one by one:

[Choose Files](#)

Files to be uploaded

example

ESRI Shapefile

- example.prj Remove
- example.shp Remove
- example.shx Remove
- example.dbf Remove

Select the charset or leave default

UTF-8/Unicode

[Clear](#) [Upload files](#)

Permissions

Who can view it?

☒ Anyone

The following users:

[Choose users...](#)

The following groups:

[Choose groups...](#)

Who can download it?

Who can change metadata for it?

Who can edit data for this layer?

Who can edit styles for this layer?

Who can manage it? (update, delete, change permissions, publish/unpublish it)


3. On the right side of the form, you can set the permissions on who can view, download, edit and manage the layer.
4. **Click** on *Upload Files*. Your file will be uploaded in the portal. Once approved by the administrators, you will get notified and will be viewable by other users.

3.2.2 Edit Layer Metadata

In order to change the metadata of the layer, from the tabs shown in *Step 4*:


1. **Click** on *Edit Metadata*. You will be addressed to the following wizard. The first two pages are mandatory while the last two are optional.
2. On the first page, **Fill** the form by adding an *Abstract*. **Assign** the appropriate *Keywords*, a *Category* and a *Group* related to the layer. You can also edit the *Thumbnail*.
3. On the second page, you can set the language, the license, Data quality and the restrictions. **Fill** the required fields.


Permissions

Who can view it? 

☒ Anyone
The following users:


The following groups:


Who can download it? 


Who can change metadata for it? 

The following users:

The following groups:

Who can edit data for this layer? 

Who can edit styles for this layer? 

Who can manage it? (update, delete, change permissions, publish/unpublish it) 

- example.prj Remove
- example.shp Remove
- example.shx Remove
- example.dbf Remove

Your layer was successfully updated

[Layer Info](#)[Edit Metadata](#)[Upload Metadata](#)[Upload SLD](#)[Manage Styles](#)

Metadata for example


Completeness
 ✖ Check Schema mandatory fields
 58%

Edit
Preview
Settings

1
2

Basic Metadata
Location and Licenses

Thumbnail



Edit

Title ⓘ

Abstract ⓘ

No abstract provided

3
4

Optional Metadata
Dataset Attributes

Date type ⓘ

Publication

Category

Group

Date

2018-05-15 04:


Return to Layer
Update
Next >>

Edit
Preview
Settings

1

Basic Metadata

Thumbnail



Edit

Title ⓘ

Abstract ⓘ

Countries borders

2

Location and Licenses

3

Optional Metadata

Date type ⓘ

Publication

Category

... Boundaries

Group

IGAD Secretariat

Date

2018-05-15 04:

4

Dataset Attributes

World ✕ **Crossborder** ✕

Keywords

Date type ⓘ

Publication

Category

... Boundaries

Group

IGAD Secretariat

Return to Layer
Update
Next >>

Metadata for example

Completeness
 ✓ Metadata Schema mandatory fields completed

100 %

Edit
Preview
Settings
Done!

Mandatory
Mandatory
Optional

1

Basic Metadata

2

Location and Licenses

3

Optional Metadata

4

Dataset Attributes

Language ⓘ

English

License ⓘ

Public Domain

Regions

× Global

Data quality statement ⓘ

Data Precision
Data Accuracy
Data Consistency
Following the directives of

Restrictions ⓘ

exclusive right to the publication, production

Restrictions other ⓘ

other restrictions and legal prerequisites for accessing and using the resource or metadata

4. On the third page which is optional, you can add further metadata such as the purpose, temporal extent and the spatial representation of the layer.

Completeness
 ✓ Metadata Schema mandatory fields completed

100 %

Edit
Preview
Settings
Done!

Mandatory
Mandatory
Optional

1

Basic Metadata

2

Location and Licenses

3

Optional Metadata

4

Dataset Attributes

Other, Optional, Metadata

Edition ⓘ

version of the cited resource

Purpose ⓘ

summary of the intentions with which the resource(s) was developed

Supplemental information ⓘ

No information provided

temporal extent start

📅

Maintenance frequency ⓘ

Spatial representation type ⓘ

temporal extent end

📅

Responsible Parties

Point of Contact

× new-user

Owner and Permissions

Owner

× new-user

Metadata Author

× new-user

5. The fourth page named *Dataset Attributes* is optional but important since it allows you to compute some edits on the attribute table such as the labels and the order of the features. Adding a label to the attribute will speed up the process of the *GetFeatureInfo* operation. **Click** on *Update* after finishing your edits.

6. After updating the metadata you will be redirected to the preview page. **Click** on the *Attributes* tab to see your modified table. **Click** on *GetFeatureInfo* icon highlighted in the figure below and point it to a modified element.

Edit
Preview
Settings

Mandatory
Mandatory
Optional

1
2
3
4

Basic Metadata
Location and Licenses
Optional Metadata
Dataset Attributes

Attribute	Label	Description	Display Order
the_geom			1
adm0_usa	USA Border	Border	2
featurecla			3

Note that the *GetFeatureInfo* will show you now the label added before.

Print
+
i

Feature Info
example.298
Name Value
USA Border 1

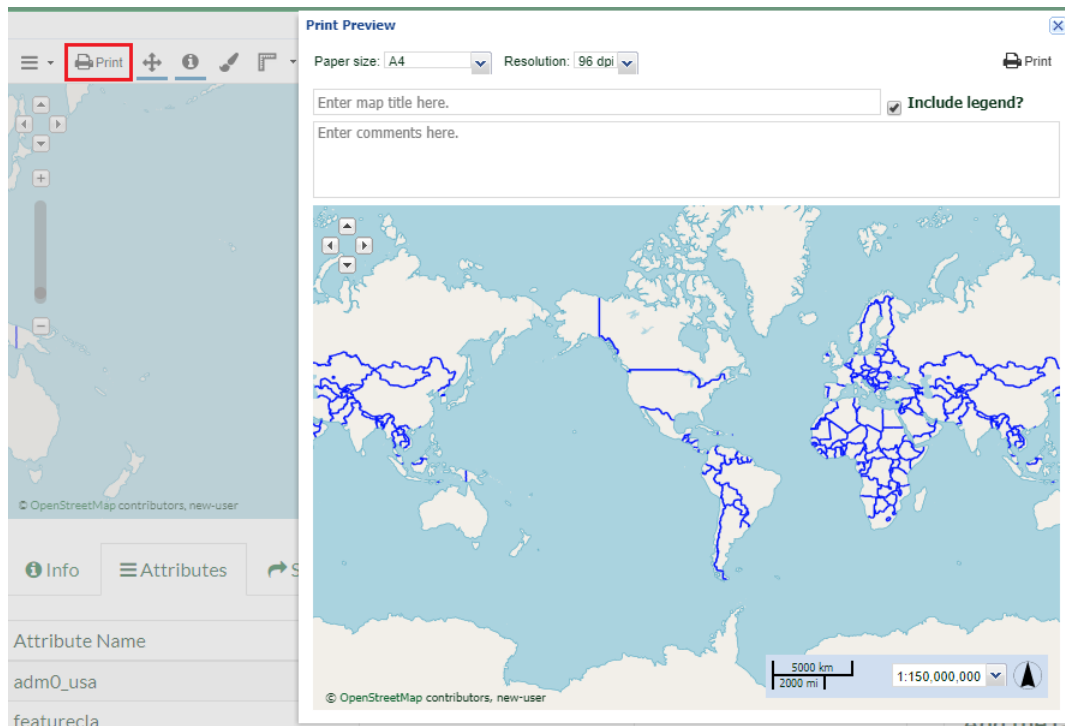
Info
Attributes
Share
Ratings
Comments

Attribute Name	Label	Description
adm0_usa	USA Border	Border
featurecla		
name		
comment		
adm0_left		

7. Finally, you can also print your map layer by clicking on the *Print* icon.

3.2.3 Layer Styling

First let us create a new style and assign it to the layer, next we will see how to manage existing styles.



3.2.3.1 Creating New Style

1. From the preview page, **Click** on *Edit Layer*. A pop window will open, in *Styles* you can edit the style, upload your own style (as an SLD) or manage the existing styles.
2. **Click** on *Edit*. A pop up window will open. Under the *Styles* part **Click** on *Add* to create a new line style. **Assign** a title and optionally an abstract then **Save** it.
3. Under the *Rules* part **Select** the *Untitled 1* rule then **Click** on *Edit*. On the new window under the *Basic* tab you can change the name, style, colors, width and other properties.
4. **Change** the properties of the style then **Click** on *Save*. The style of the layer will be updated.

3.2.3.2 Managing Styles

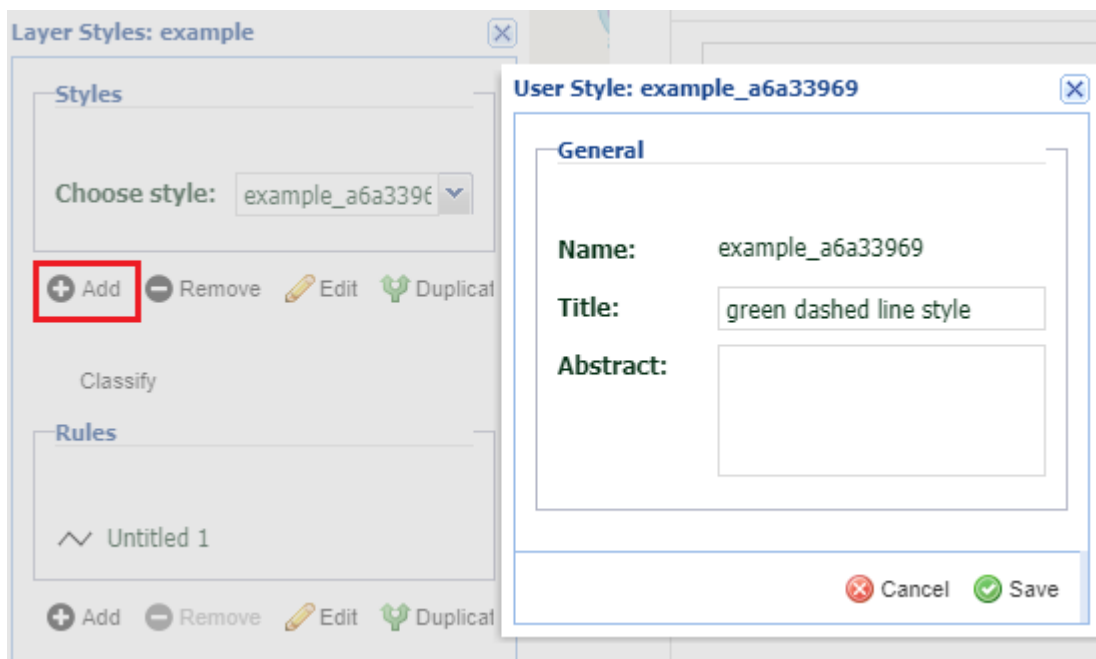
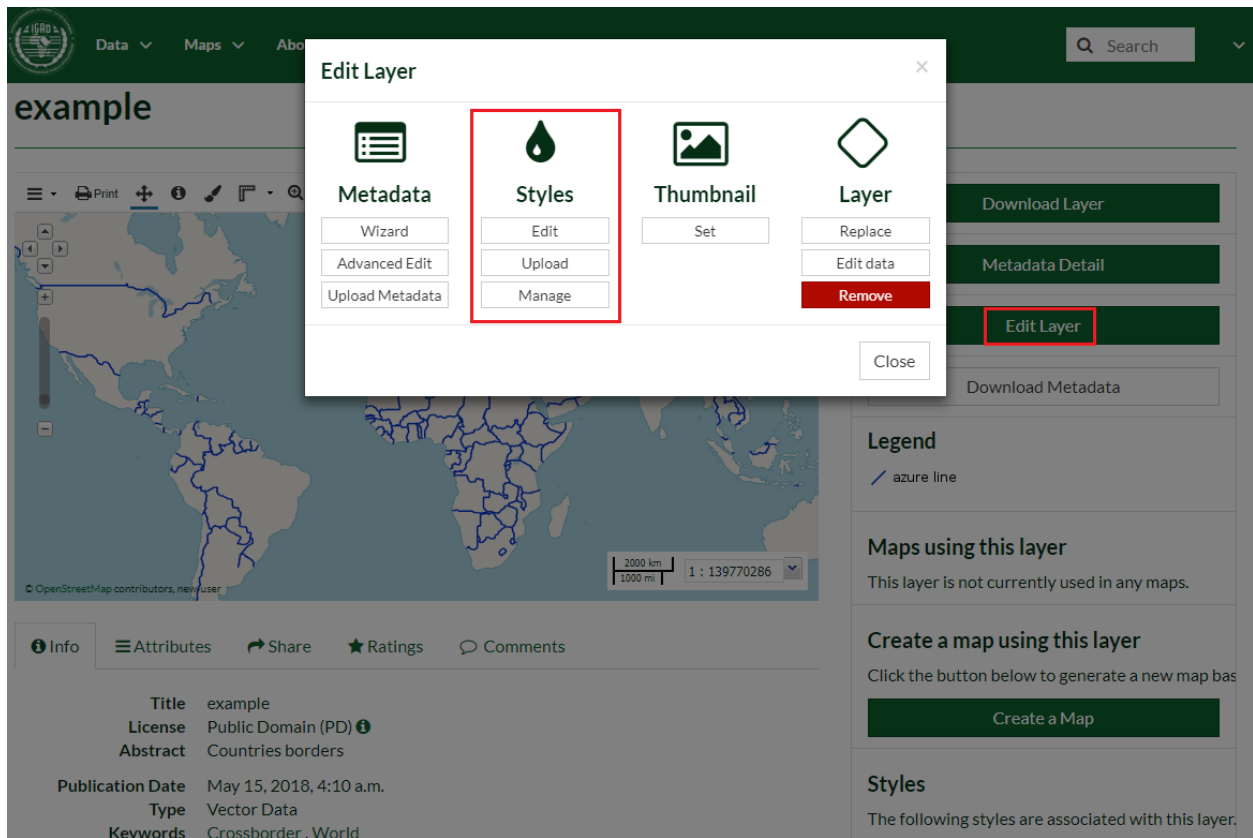
1. As in *Steps 1 - 2* in *Creating New Style*, now **Click** on *Manage* button instead. **Choose** an available style then **Click** on it. It will be automatically added to right list. **Set** it as *Layer Default Style* then **Click** on *Update Available Styles*.

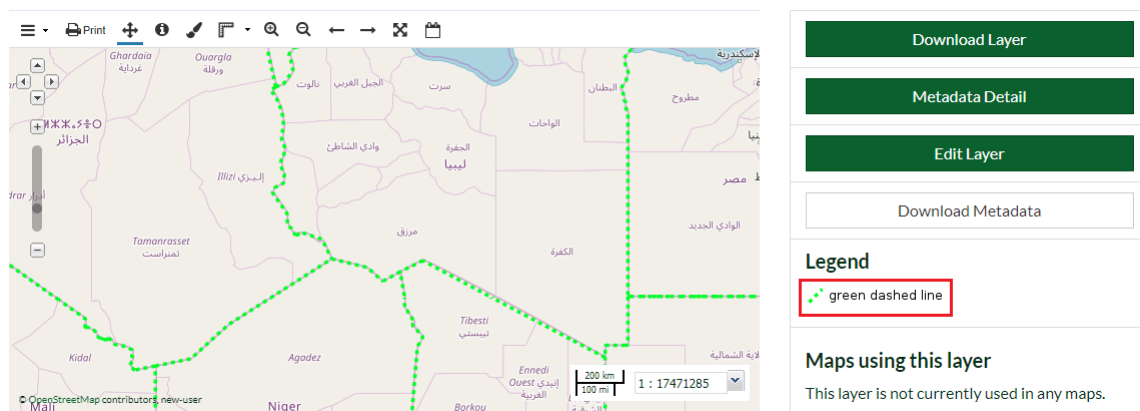
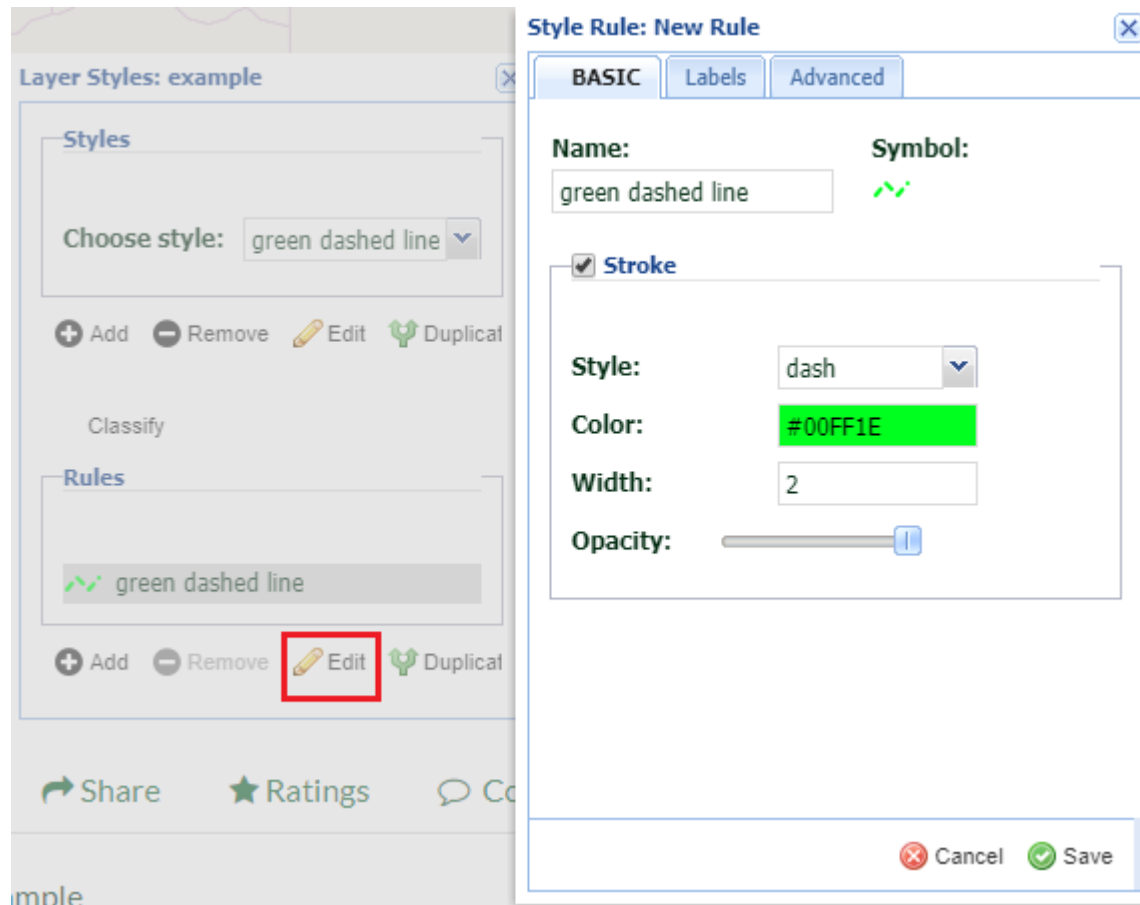
Once you have finished all your edits on the layer. **Return** to the welcome page and **Explore** your layer, only you will be able to visualize it since it still in a *Pending Approval* state.

In the figure above, The icon highlighted in blue means that the layer was uploaded from a local machine.

3.2.4 Managing Temporal Data

Temporal data is stored in fields in the attribute table of a shapefile. Each feature can have a date/time value that represents the temporal event or a beginning and end time stored in two different fields. Temporal data combined with spatial data is essential to analyze the evolution of a specific phenomena.





Manage Styles

Manage Available Styles for geonode:example0

Layer Default Style


A violet line style ▾

Available styles

Click on an available style in the upper box to assign it to this layer. Selected styles appear in the lower box.

transport_corridors	↔	A violet line style
uganda		
generic		
A azure line style		
A cyan line style		
Default Line		
Default Point		

Update Available Styles








BOUNDARIES


IGAD SECRETARIAT

 **example**

PENDING APPROVAL

Countries Borders

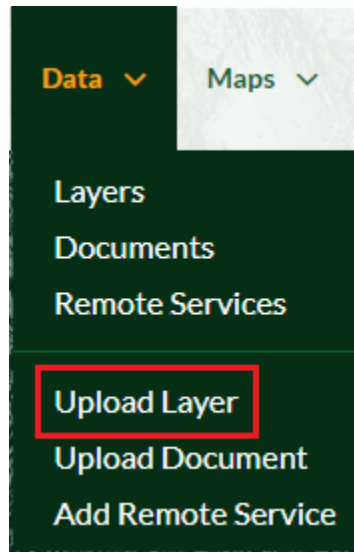
 new-user
  16 May 2018
  0
  0
  0

 Create a Map

3.2.4.1 Uploading Data

Since IGAD portal leverages on GeoNode, it allows the user to upload vector data storing temporal fields. As seen before, the upload procedure of a layer is the same.

1. From the top menu, **Scroll down** the *Data* menu then **Click** on *Upload Layer*. This will open the upload form.



On the new page, you can upload multiple layers concurrently and then configuring them separately.

1. **Drag/Drop** your multiple files in the *Drop files here* area. The files will be grouped separately and temporal dimension will be detected automatically.
2. **Click** on *Upload files* button.

By clicking on continue you can setup the first shapefile on a new popup page and the second on an another one.

1. **Click** on *Continue* button of the second shapefile. You will be addressed to a popup page to setup the temporal field(s).
2. **Switch on** the selector to configure the file as a time series. **Check** the Date field.
3. Since the layer has a beginning and an end temporal fields, you can set the End-time attribute in the advanced options. **Expand** the *Optional End-Time attribute* menu. **Check** the box then **Select** from the list the enddate attribute.

Note: Step 3 is not necessary in case the shapefile has a unique temporal field.

4. On *Time attribute Presentation* menu, **Choose** the appropriate field. In this case is a list of dates. **Read** the additional help menu to understand better date/time formats.
5. **Click** on *Next*. The shapefile will be uploaded. You will be redirected to the preview page and a time sidebar will be automatically enabled.

boxes_with_date_iso_date

ESRI Shapefile

- [boxes_with_date_iso_date.shp Remove](#)
- [boxes_with_date_iso_date.shx Remove](#)
- [boxes_with_date_iso_date.dbf Remove](#)
- [boxes_with_date_iso_date.prj Remove](#)

boxes_with_end_date

ESRI Shapefile

-
- [boxes_with_end_date.dbf Remove](#)
 - [boxes_with_end_date.prj Remove](#)
 - [boxes_with_end_date.shp Remove](#)
 - [boxes_with_end_date.shx Remove](#)

Select the charset or leave default

UTF-8/Unicode ▼

Clear

Upload files

boxes_with_date_iso_date

ESRI Shapefile

- boxes_with_date_iso_date.shp Remove
- boxes_with_date_iso_date.shx Remove
- boxes_with_date_iso_date.dbf Remove
- boxes_with_date_iso_date.prj Remove

Files are ready to be ingested! A temporal dimension may be added to this Layer.

Continue

boxes_with_end_date

ESRI Shapefile

- boxes_with_end_date.dbf Remove
- boxes_with_end_date.prj Remove
- boxes_with_end_date.shp Remove
- boxes_with_end_date.shx Remove

Files are ready to be ingested! A temporal dimension may be added to this Layer.

Continue

Select the charset or leave default

UTF-8/Unicode ▼

Clear

Upload files

Inspect data for "boxes_with_end_date"

Configure as Time-Series ☐ Off ?



Date	Enddate	Id
2000/03/01	2001/03/01	0
2000/03/02	2001/03/01	1
2000/03/03	2001/03/01	2
2000/03/04	2001/03/01	3
2000/03/05	2001/03/01	4
2000/03/06	2001/03/01	5
2000/03/07	2001/03/01	6
2000/03/08	2001/03/01	7
2000/03/09	2001/03/01	8
2000/03/10	2001/03/01	9

Showing 1 to 10 of 100 rows rows per page

◀ 1 2 3 4 5 ... 10 ▶

Advanced Options

- Optional End-Time attribute ▼
- Time attribute Presentation ▼
- Additional Help ▼

Inspect data for "boxes_with_end_date"

Configure as Time-Series

On



Date

Enddate

Search



Date	Enddate	Id
2000/03/01	2001/03/01	0
2000/03/02	2001/03/01	1
2000/03/03	2001/03/01	2
2000/03/04	2001/03/01	3
2000/03/05	2001/03/01	4
2000/03/06	2001/03/01	5
2000/03/07	2001/03/01	6
2000/03/08	2001/03/01	7
2000/03/09	2001/03/01	8
2000/03/10	2001/03/01	9

Showing 1 to 10 of 100 rows

10

rows per page

1 2 3 4 5 ... 10

Cancel

Next

Advanced Options

Optional End-Time attribute

Time attribute Presentation

Additional Help

Advanced Options

Optional End-Time attribute

Existing Time Attribute:

<None>

<None>

date

enddate

Time attribute Presentation

Additional Help

Time attribute Presentation

- List of all the distinct time values
- Intervals defined by the resolution
- Continuous Intervals for data that is frequently updated, resolution describes the frequency of updates

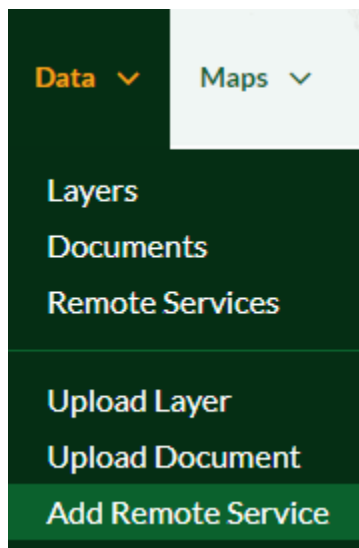
3.2.5 Managing Remote Services

A Web map service (WMS) is a standard protocol that describes how to serve any georeferenced map images over the Internet, which is usually generated by a map server that uses data from a geographic information system database. WMS provides a simple way of requesting geo-registered map images using an HTTP interface.

IGAD portal allows the user to make use of data via a connection to a remote service (to a server). Let us start to see how to add a remote service.

3.2.5.1 Adding Remote Service

From the top bar, **Scroll down** the *Data* menu then **Click** on *Add Remote Service*.



On the new page, you should provide a *Service URL* in order to connect to the server and a *Service Type*. There are three available service types.

- Web Map Service (WMS)
- GeoNode WMS
- ArcGIS REST MapServer

Adding Web Map Service

1. Let us connect, for example, to GeoServer at the following URL: <https://demo.geo-solutions.it/geoserver/ows?service=wms&version=1.3.0&request=GetCapabilities>. **Copy** the URL in the *Service URL* field and **Select** *Web Map Service* as a Service Type. **Click** on *Create*.
2. You will be connected to GeoServer and on the new page you will be able to view and to import any layer contained in the server. **Check** the flag box on a layer then **Click** on *Import Resources*.
3. **Click** on *Back to service details*. **Click** on the imported layer, you will be addressed to the layer preview page where you can edit it or create a map from it.

Register New Service

Service URL

<https://demo.geo-solutions.it/geoserver/ows?service=wms&version=1.3.0&request=GetCapabilities>

Service Type

Web Map Service

Create

Import resources demogeo-solutions.it

65 resources can be imported

<input type="checkbox"/>	Id	Name	Description
<input checked="" type="checkbox"/>	topp:tasmania_roads	Tasmania roads	Main Tasmania roads
<input type="checkbox"/>	topp:tasmania_state_boundaries	Tasmania state boundaries	Tasmania state boundaries
<input type="checkbox"/>	topp:tasmania_test	tasmania_test	remove is necessary
<input type="checkbox"/>	topp:tasmania_water_bodies	Tasmania water bodies	Tasmania water bodies
<input type="checkbox"/>	unesco:Unesco_point	Unesco Items	None

[Back to service details](#)

Import Resources

Manage

[Re-scan Service for new Resources](#)

GeoServer Web Map Service

Type: Web Map Service

URL: <https://demo.geo-solutions.it/geoserver/ows>

Abstract: A compliant implementation of WMS plus most of the SLD extension (dynamic styling). Can also generate PDF, SVG, KML, GeoRSS

Keywords: GEOSERVER, WFS, WMS

Contact: admin

Service Resources ¹

Title	Description
Tasmania roads	Main Tasmania roads

Manage

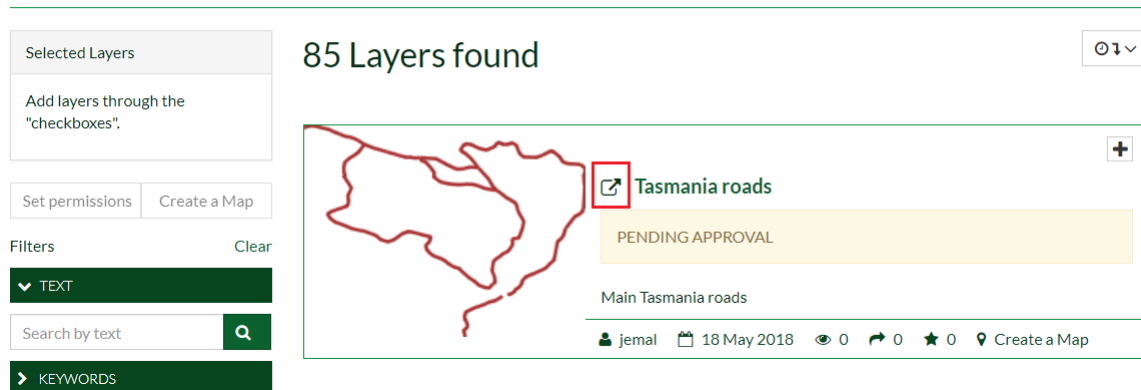
[Edit Service Metadata](#)

[Import Service Resources](#)

[Remove Service](#)

- From the top bar, Explore all the available layers. You should find the imported layer. The highlighted icon in the figure below shows that the layer comes from a remote service.

Explore Layers



Adding GeoNode WMS

- Now, let us connect to GeoNode WMS using the following URL: <http://ihp-wins.unesco.org/geoserver/ows>. As above **Add** a new service using the latter link and **Choose** GeoNode as service type.

Note: Note that the provided URL now is different than the link in the first section. GeoNode will try to extract all the layers from the service and its metadata without pointing out in the URL the service type, the version and the request.

- Import** a layer and **Visualize** it. You will see that GeoNode WMS has imported also all the available info and metadata.

Adding ArcGIS REST MapServer

Dealing with ArcGIS REST services has some limitations and will be illustrated now.

- As an example, consider the following link <https://gis1.servirglobal.net/arcgis/rest/services> which is a remote service directory containing several layers.
- Add** a new remote service using the link above. **Select** ArcGIS REST MapServer as a Service Type then **Create**. You will receive the following error. This is due to the indexing structure of the service.
- In order to avoid this error, one should point directly the root of the desired layer, for example, https://gis1.servirglobal.net/arcgis/rest/services/Africa/Africa_Ecosystems/MapServer. **Create** a new service using the latter link.
- Explore** the imported layer from the service. You will note that the *Legend* was not imported along the layer and thus you will not be able to change the style.
- Finally, the layer will **not** be printable.

Boreholes in refugee sites

[Info](#)
[Attributes](#)
[Share](#)
[Ratings](#)
[Comments](#)

Title	Boreholes in refugee sites
License	Not Specified
Abstract	<p>This map was developed for the WASH section of the UNHCR by CartONG. It displays boreholes assessed by WASH focal points in different refugee sites and provides information on different types of pumps that are used, the depth in meter and the energy source. It also provides information on the concentration of chemical pollutants in water such as nitrate, arsenic and ammonia.</p> <p>For more information, visit: http://wash.unhcr.org</p>
Publication Date	April 11, 2017, midnight
Type	Data
Keywords	Borehole , Cooperation , Groundwater , Pollution , Population , WASH
Regions	Global
Owner	new-user

Metadata Detail

Edit Layer

[Download Metadata](#)

Legend

- Hand pump
- Electrical pump
- Foot pump
- No data

Maps using this layer

This layer is not currently used in any maps.

Create a map using this layer

Click the button below to generate a new map based on this layer.

Create a Map

Styles

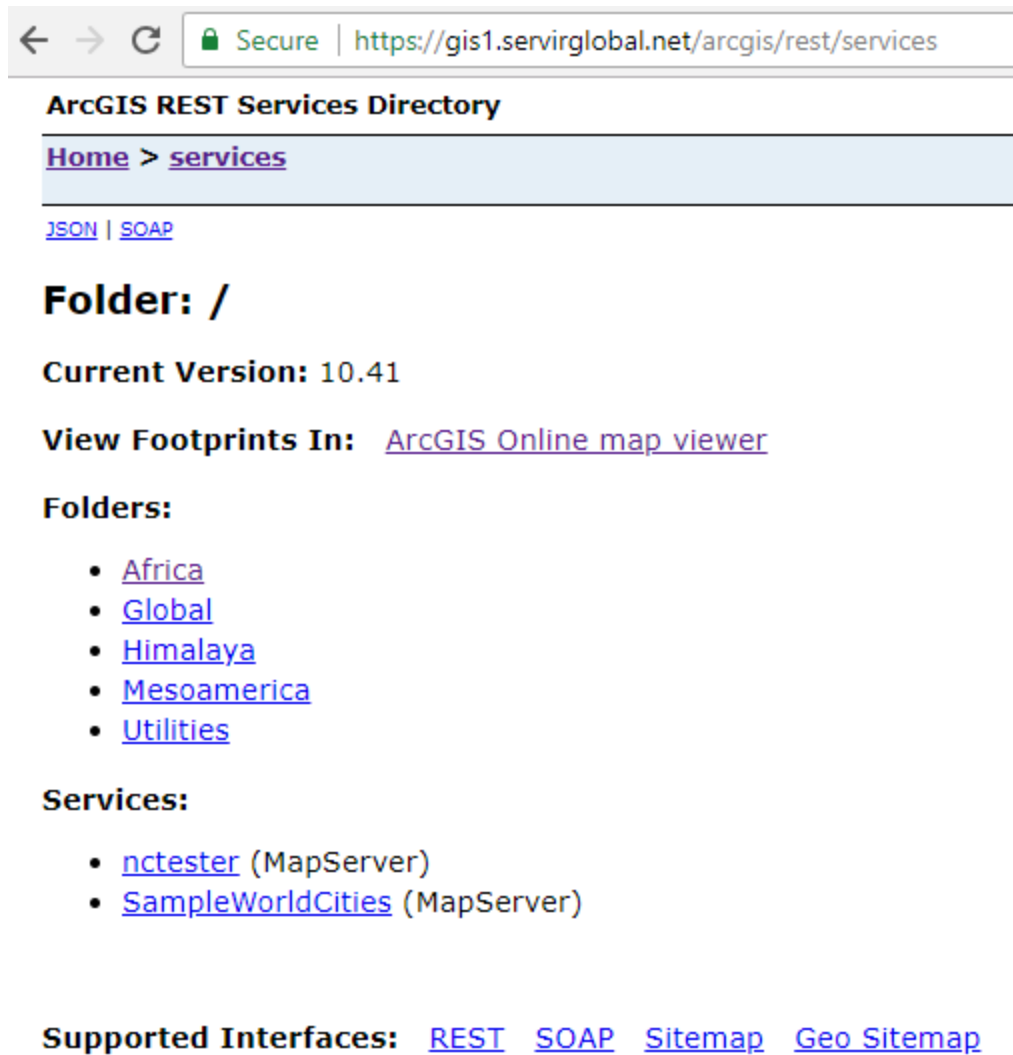
The following styles are associated with this layer.

No styles associated with this layer

Permissions

Click the button below to change the permissions

Change Layer Permissions



Register New Service

Could not find importable resources for the service at <https://gis1.servirglobal.net/arcgis/rest/services>

Service URL

<https://gis1.servirglobal.net/arcgis/rest/services>

Service Type

ArcGIS REST MapServer

Create

← → ↻ Secure | <https://gis1.servirglobal.net/arcgis/rest/services> [Africa/Africa_Ecosystems/MapServer](https://gis1.servirglobal.net/arcgis/rest/services/Africa/Africa_Ecosystems/MapServer)

ArcGIS REST Services Directory

[Home](#) > [services](#) > [Africa](#) > [Africa_Ecosystems \(MapServer\)](#)

[JSON](#) | [SOAP](#) | [WMS](#)

Africa/Africa_Ecosystems (MapServer)

View In: [ArcGIS JavaScript](#) [ArcGIS Online map viewer](#) [Google Earth](#) [ArcMap](#) [ArcGIS Explorer](#)

View Footprint In: [ArcGIS Online map viewer](#)

Service Description: SERVIR-East Africa implementation of ecosystem subclasses. Dataset developed by USGS.

Map Name: Layers

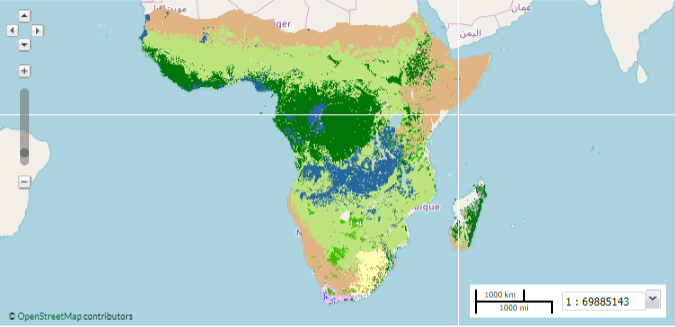
[Legend](#)

[All Layers and Tables](#)

Layers:

- [Ecosystems](#) (0)

Ecosystems



© OpenStreetMap contributors

1 : 69885143

Info | Attributes | Share | Ratings | Comments

Title	Ecosystems
License	Not Specified ⓘ
Abstract	Ecosystems
Publication Date	May 21, 2018, 8:45 a.m.
Type	Data
Keywords	ArcGIS REST MapServer, Ecosystems, ESRI
Owner	new-user
More info	-

Metadata Detail

Edit Layer

Download Metadata

Maps using this layer
This layer is not currently used in any maps.

Create a map using this layer
Click the button below to generate a new map bas

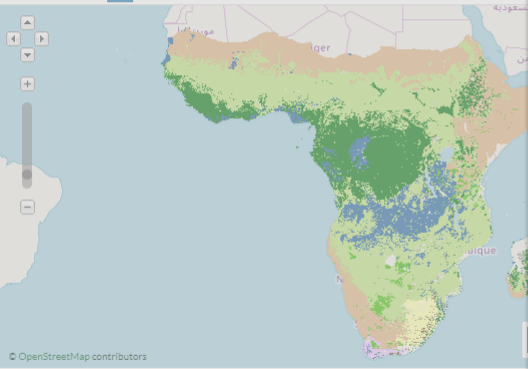
Create a Map

Styles
The following styles are associated with this layer. Choose a style to view it in the preview map.
No styles associated with this layer

Permissions
Click the button below to change the permissions

Change Layer Permissions

Ecosystems



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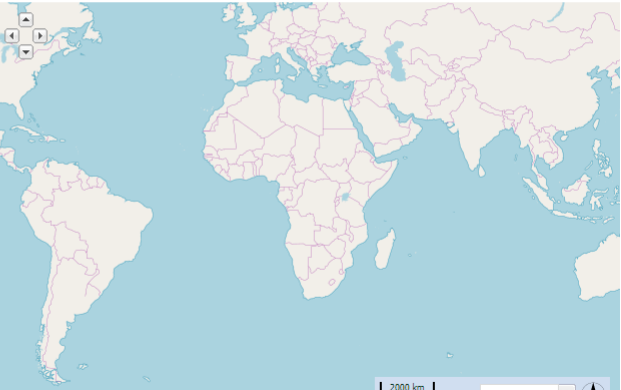
Info | Attributes | Share | Ratings | Comments

Print Preview

Paper size: A4 Resolution: 96 dpi

Enter map title here. ☒ Include legend?

Enter comments here.

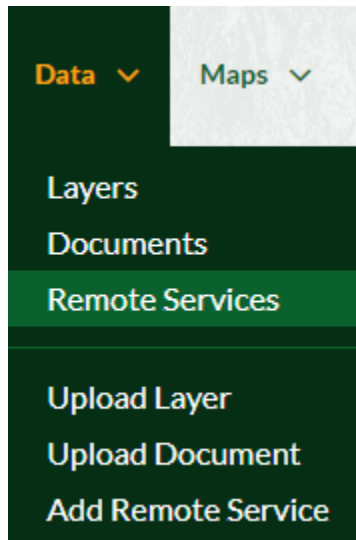


© OpenStreetMap contributors

2000 km 1:75,000,000

3.2.5.2 Exploring Remote Services

1. **Scroll down** the *Data* menu then **Click** on *Remote Services*.



2. **Check** the remote services in the portal created by other users.

Remote Services

[Register a new Service](#)

Title	URL	Type
My GeoServer WMS 12	http://geoportal.rcmrd.org/geoserver/ows	GeoNode (Web Map Service)
My GeoServer WMS 5	http://maspawio.net/geoserver/ows	GeoNode (Web Map Service)
My GeoServer WMS 3	http://geonode-rris.biopama.org/geoserver/ows	GeoNode (Web Map Service)
Biodiversity Atlas Kenya 7	http://maps.biodiversityatlaskenya.org/geoserver/ows	GeoNode (Web Map Service)
Landscape Portal 0	http://landscapeportal.org/geoserver/ows	GeoNode (Web Map Service)
IHP-WINS GeoServer 0	http://ihp-wins.unesco.org/geoserver/ows	GeoNode (Web Map Service)
GeoServer Web Map Service 0	https://demo.geo-solutions.it/geoserver/ows	Web Map Service

3. As a basic user you can only edit or delete your own created services. You can take advantage of the remote services added by other users importing from it some data.

3.3 Managing Maps

Since you are logged in, now the **Maps** menu contains two options. The first option allows you to view and query existing Maps in the portal as before while the second new one to create your own map and save it into the portal.

3.3.1 Creating Map

1. **Click** on *Create Map*. An interactive WebGIS interface will open, containing:
 - A toolbar on the top.

My GeoServer WMS

Type: GeoNode (Web Map Service)

URL: <http://maspawio.net/geoserver/ows>

Abstract: This is a description of your Web Map Server.

Keywords: GEOSERVER, WFS, WMS

Contact: igad

Service Resources 5

Title	Description
Pate-kiunga Mangrove extent 1995	This layer shows the extent of mangrove cover of Pate Kiunga seascape in 1995. The cover map was developed by CORDIO EA through Landsat Image classification under the International Centre for Research in Agroforestry (ICRAF)-led project funded by the Inter-Governmental Authority on Development (IGAD). The project aimed to link the use and benefit of these natural resources to the local people, as well as better understand the drivers and pressures of biodiversity loss to improve management measures.
Pate-kiunga Mangrove extent 2014	This layer shows the extent of mangrove cover of Pate Kiunga seascape in 2014. The cover map was developed by CORDIO EA through Landsat Image classification under the International Centre for Research in Agroforestry (ICRAF)-led project funded by the Inter-Governmental Authority on Development (IGAD). The project aimed to link the use and benefit of these natural resources to the local people, as well as better understand the drivers and pressures of biodiversity loss to improve management measures.

Manage

Edit Service Metadata

Import Service Resources

Remove Service

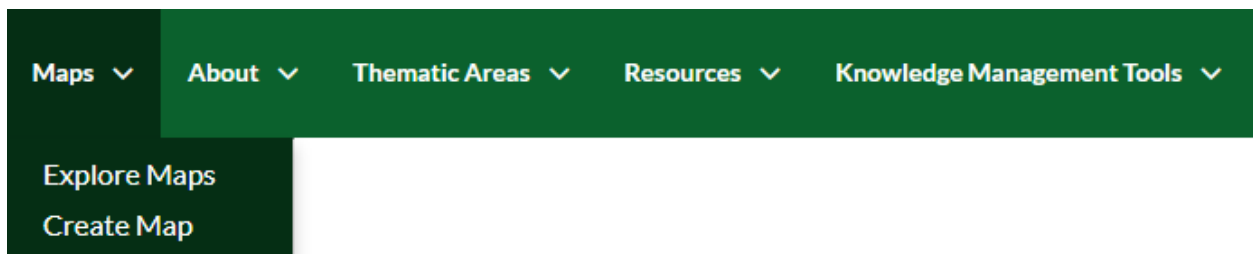
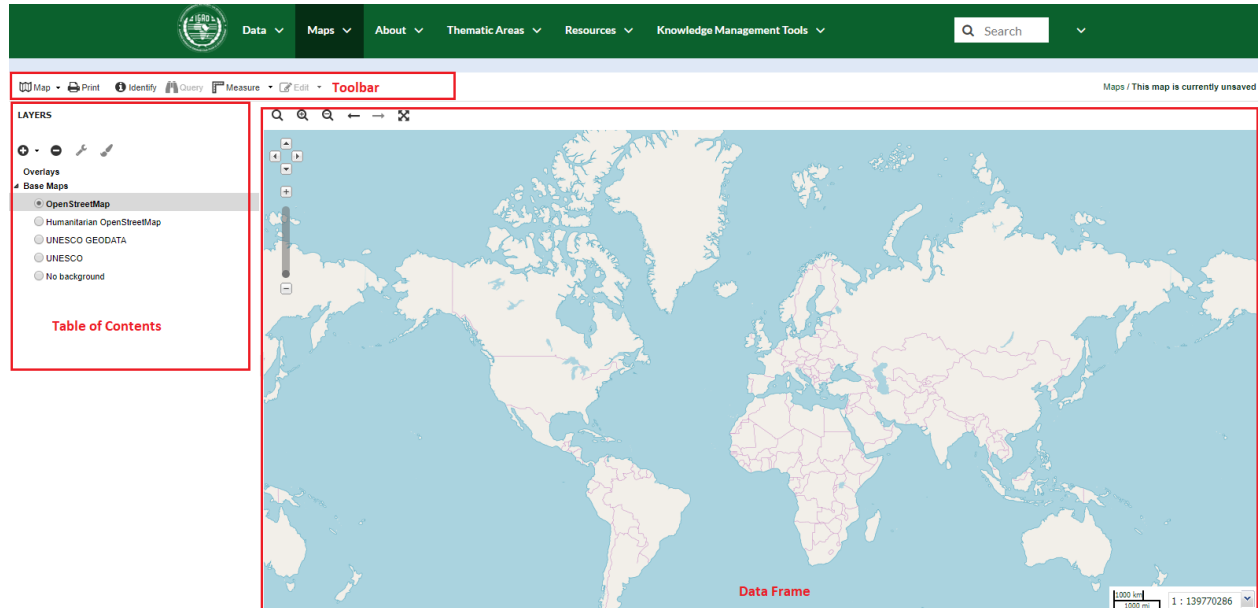
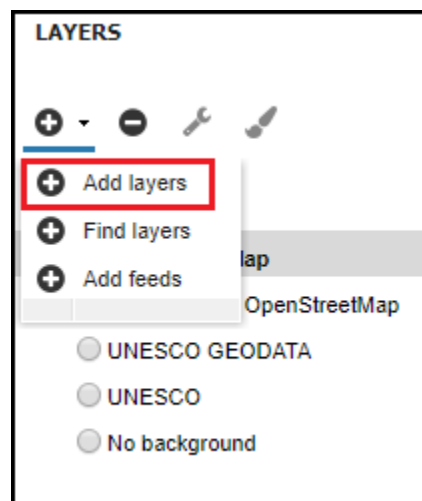


Fig. 2: Maps menu

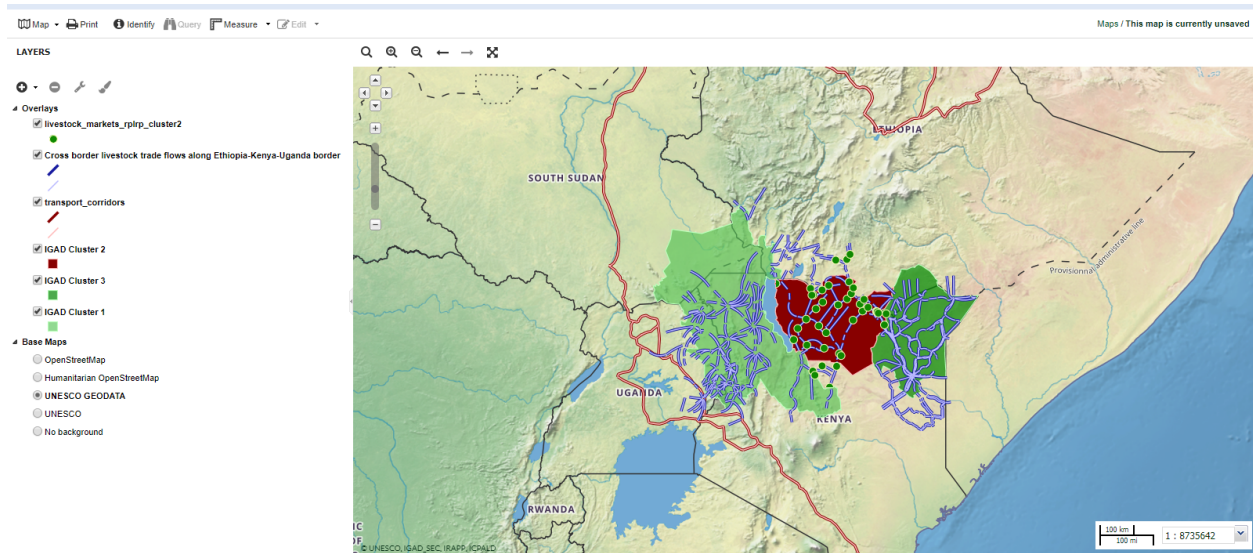
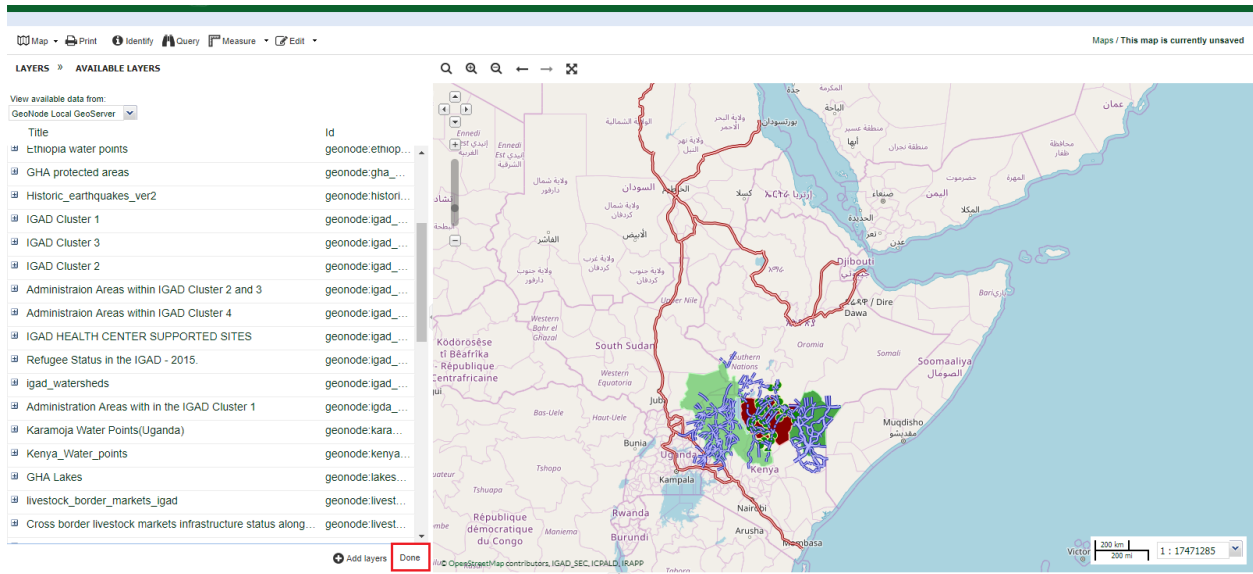
- A table of contents (TOC) or layer list on the left side.
- A Data Frame space where layers are displayed. The Data Frame shows the OpenStreetMap basemap layer by default. There are other service layers available here such as Humanitarian OpenStreetMap, UNESCO GEODATA and UNESCO.

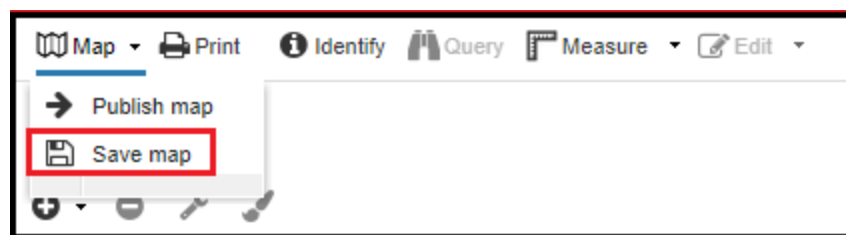
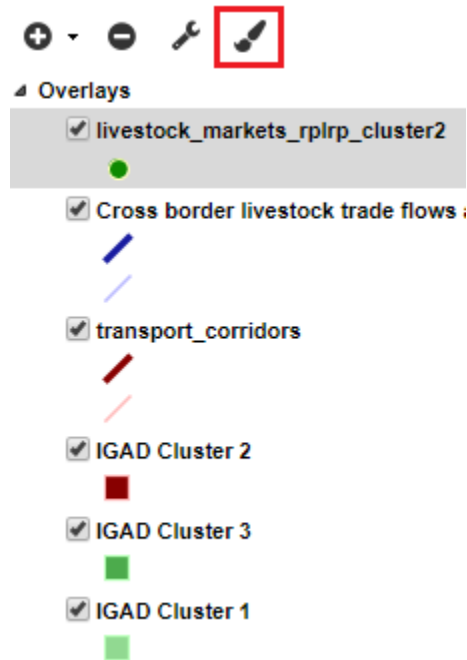


1. From the TOC **Click** on *Add layers*.



2. From the list **Double Click** on the layers that you want to add to your map then **Click** on *Done*.
3. **Order** your layers by dragging the point layers on the top of the TOC then the lines and the polygons and **Choose** a basemap.
4. If you want to edit the style of the active layers in the map. **Select** the target layer then **Click** on the brush icon and follow the *Steps* in **Layer Styling** section.
5. After all the edits, **Click** on the *Map* button from the toolbar then **Select** *Save Map*.
6. **Assign** a name to the map and an abstract then **Click** on *Save*.





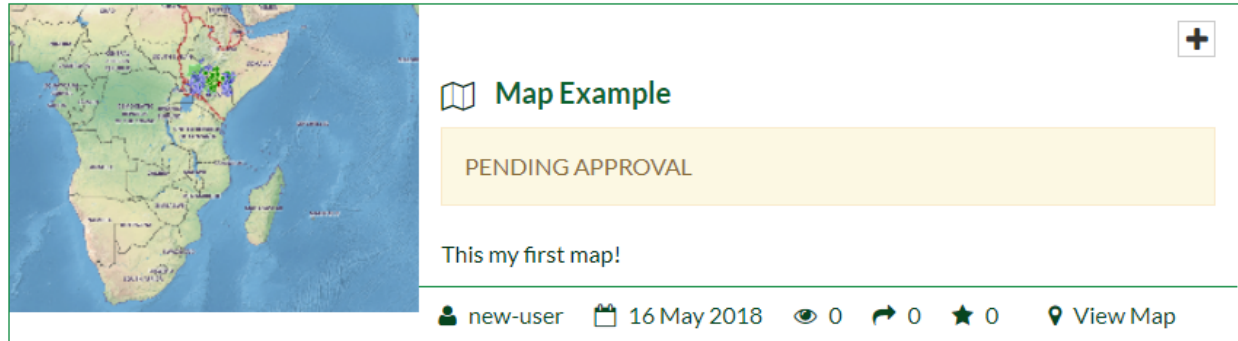
About this Map ✕

Title:

Abstract:

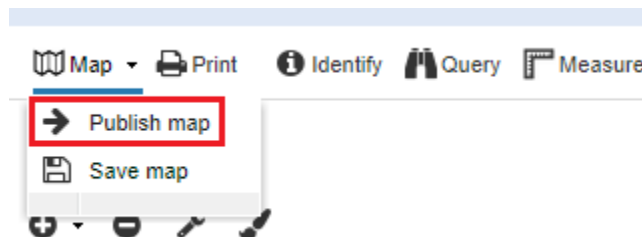
Save as Copy Save Cancel

7. Your map will be approved by the administrators.



3.3.2 Sharing Map

1. From the toolbar, **Click** on on the *Map* button then **Select** *Publish Map*.



2. A new dialog will appear with instructions on how to embed this map in a webpage, including a code snippet. You can adjust the parameters as necessary.

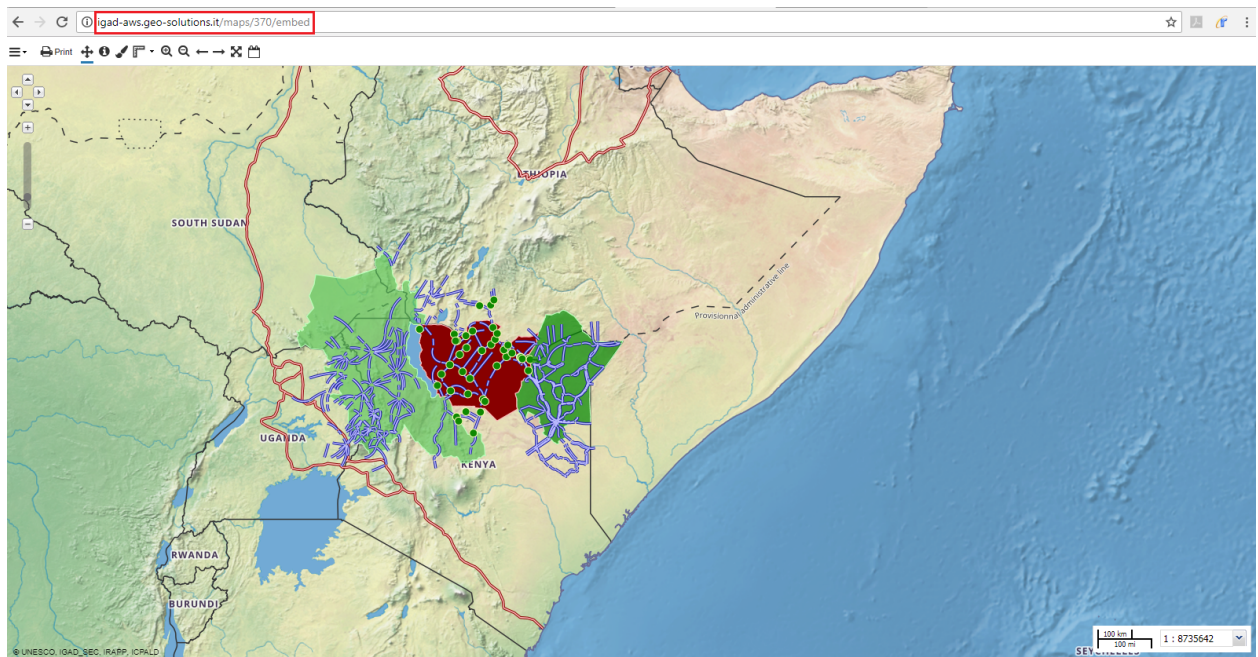


3. **Try** instead to copy and paste the http *URL* of your map in a browser. You will be able to view your map.

Managing Account This section will guide you through the account registration, updating your account information, and viewing other users accounts.

Managing Layers A layer is a slice or stratum of the geographic reality. Layers are a published resource representing a raster or vector spatial data source. Layers also can be associated with metadata, ratings, and comments. This section will introduce you how to upload, download, change the style or share a layer.

Managing Maps Combining and overlaying several layers will allow creating maps. This section will show you a detailed demonstration how to create and share your own maps.



Administrators Tutorial

This tutorial is addressed to administrators and will teach the admin how to manage the portal.

You will learn how to:

1. Use the Django Administration Panel.
2. Manage users, groups and data.
3. Customize the portal interface.

4.1 Django Administration Functionalities

The Django Administration Panel of GeoNode contains several functions and gives the administrator a full control of the portal. This section will introduce you to how to manage the Users and Groups and how to customize the Menus, Menu items and Keywords of the IGAD portal interface. For a full documentation on the site administration the reader is referred to the [Administrators Workshop](#) in the documentation of GeoNode.

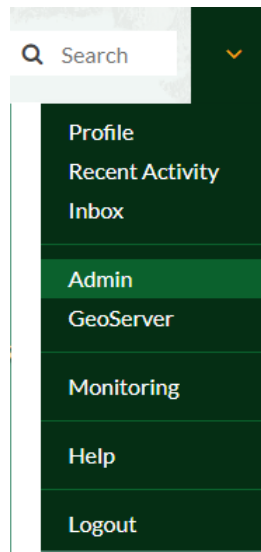
If you are the administrator of the portal or you have been provided by the admin credentials then log in:

- From the Top menu bar **Navigate** to the **Account menu** and **Click** on *Admin*.
- The site administration page shows up as the following;

From this panel, you can control the users, groups, data, maps, the customization of the portal even the comments made on data and many other options that we will not cover.

4.2 Managing Users, Groups and Data

This section will show you how to manage users, groups and the data.



Site administration			Groups			SERVICES		
ACCOUNTS			Group Categories			Services		
Email addresses			Add			Add		
ACETREAM			Group profiles			Add		
Actions			Add			Change		
Follows			Add			Change		
ANNOUNCEMENTS			Data download			SITES		
Announcements			Hierarchical keyword index			Sites		
Disseminate			Add			Add		
AUTHENTICATION AND AUTHORIZATION			Metadata			SOCIAL ACCOUNTS		
Groups			Add			Social accounts		
AVATARS			Add			Social application tokens		
Avatars			Add			Social applications		
CHANGE			Invitations			Add		
Backups			Add			Change		
Content roles			Layers			FACETS		
Hierarchical keywords			Add			Tags		
Licenses			Add			Add		
Links			Add			Change		
Metadata Regions			Styles			EASTING		
Metadata Restriction Code Types			Add			API keys		
Metadata Spatial Representation Types			Add			Add		
Metadata Topic Categories			Add			Change		
OAI/DCR			Upload sessions			UPLOADED		
Comments			Maps			Upload files		
OAI/DCR TOOLKIT			Add			Add		
Access tokens			Map layers			Add		
Applications			Map overlays			Change		
Grants			Add			UPLOADED		
Refresh tokens			Add			Change		
DOCUMENTS			Maps			Add		
Documents			Add			Change		
DISTANCE CLIENT LIBRARY			Map overlays			Add		
Partners			Add			Change		
Themes			Add			UPLOADED		
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			Add			UPLOADED		

4.2.1 Managing Users

Let us begin to see how to add and modify users.

4.2.1.1 Adding User

1. **Find** the box called *People*. This option allows you to add users or to approve the subscription of a new user.



2. **Click** on the *Add* button, **Fill** the form then **Save**.

Add user

First, enter a username and password. Then, you'll be able to edit more user options.

Username:
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:

Password confirmation:
Enter the same password as before, for verification.

Save and add another Save and continue editing **SAVE**

3. A new form will open asking some personal informations of the user. **Fill** it and **Assign** the *Permissions*.

- Active: for a basic user.
- Staff status: has the rights to access the admin panel.
- Superuser status: has all permissions.

Permissions

☒ **Active**
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☐ **Staff status**
Designates whether the user can log into this admin site.

☐ **Superuser status**
Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups ⓘ

Filter

- All-IGAD-Clusters
- cluster-1-karamoja
- Cluster-2-Borena
- Cluster-3-Somali
- Cluster-4-Dikil
- Cluster-5-Ethiopia-and-South-Sudan-1
- Cluster-6-Ethiopia-and-South-Sudan-2
- Cluster-7-Ethiopia-Sudan-and-Eritria
- Cluster-8-Ethiopia-and-Somali
- Djibouti
- Ethiopia
- IGAD Secretariat

Choose all ⓘ

Chosen groups ⓘ

anonymous

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

4.2.1.2 Modifying User

1. **Click** on *Users* from the *People* box. A list of all users and their status will be shown. By clicking on the username of the user you will be redirected to the later form and you will be able to make modifications on the user informations. As an admin, you will receive a notification when a new user signs up. It is your duty to activate his permissions.

Search Search 8 results (13 total)

Action: Go 0 of 8 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS	ACTIVE
<input type="checkbox"/>	new-user	newuser@mail.com			✖	✖

2. **Click** on the new user name and **Edit** its permissions as before to activate him.
3. If you want to delete a user. **Check** the flag box associated to the user then **Select** from the *Action* list the delete option and **Click** on *Go*.

Action: Go 1 of 1 selected

☒ USE **Delete selected users**

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS	ACTIVE
<input checked="" type="checkbox"/>	new-user	newuser@mail.com			✖	✖

1 user

4.2.2 Managing Groups

1. **Find** the box called *Authentication and Authorization*.

AUTHENTICATION AND AUTHORIZATION

Groups + Add ✎ Change

2. **Click** the *Add* button to add a new group or on *Groups* button to make modifications on existing groups.

4.2.3 Managing Data

1. **Find** the box called *Layers*. Here you can add or edit layers, attributes and styles or to approve the published layers.
2. When a user upload some data on the portal, as an Admin you will get notified and it is your responsibility to review and to approve the data. **Click** on *Layers*. You will be addressed to a new page where you can view all the existing layers in the portal and their status.
3. **Check** the box *APPROVED* or *IS PUBLISHED* to approve or to publish it.

LAYERS		
Attributes	+ Add	Change
Layers	+ Add	Change
Styles	+ Add	Change
Upload sessions	+ Add	Change

Select layer to change

Q

Search

2007

2008

2012

2013

2015

2016

2017

2018

Action:

.....

Go

0 of 87 selected

ID	ALTERNATE	TITLE [EN]	DATE	CATEGORY	GROUP	APPROVED	IS PUBLISHED	METADATA.COMPLETENESS
369	geonode:example	example	May 16, 2018, 5:11 a.m.	Boundaries	IGAD-Secretariat	<input type="checkbox"/>	<input type="checkbox"/>	88%

4.2.4 Managing Maps

1. **Find** the box called *Maps*. Here you can add or edit maps, map layers or to approve the published maps.

MAPS		
Map layers	+ Add	Change
Map snapshots	+ Add	Change
Maps	+ Add	Change

1. **Click** on *Maps*. You will be addressed to a new page where you can view all the existing maps in the portal and their status.
2. **Check** the box *APPROVED* or *IS PUBLISHED* to approve or to publish it.

4.3 Portal Customization

Here you will learn how to customize the portal by adding new Thematic Areas, new Menus and Menu items.

- **Scroll down** the page and **Find** the *Igad_Geonode* list box.

4.3.1 Creating Menus and Menu items

These two options allow you to create new menus in the Top menu bar or in the sidebar.

Action: Go 0 of 2 selected

ID	TITLE	OWNER	CATEGORY	GROUP	APPROVED	IS PUBLISHED	FEATURED
370	Map Example	new-user			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
364	Test map	admin			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2 maps

Save

Groups	
Group Categories	Add Change
Group profiles	Add Change
Igad_Geonode	
Hierarchical keyword metas	Add Change
Menu items	Add Change
Menus	Add Change
Invitations	
Invitations	Add Change
Layers	
Attributes	Add Change
Layers	Add Change
Styles	Add Change
Upload sessions	Add Change

4.3.1.1 Creating Menu in the Topbar

1. **Click** on the *Add* icon in Menus.

Menus	
	Add Change

2. **Fill** the requested fields then **Save** it.
3. **Click** on the *Add* icon in Menu items.
4. **Select** from the list the menu created previously and **Fill** the other fields then **Save** it.
5. **Navigate** to the welcome page of the portal. You will find the menu created and its item in the top menu bar.

4.3.1.2 Creating Menu in the Sidebar

1. **Click** on the *Add* icon in Menus.
2. **Fill** the requested fields then **Save** it.
3. **Click** on the *Add* icon in Menu items.
4. As an example let us create a menu item as an external link to Google. **Fill** the requested fields then **Save** it.
5. **Navigate** to explore data from the main page of the portal. You will find the menu created in the sidebar.
6. By clicking on *Test google URL*, you will be addressed to the site of google.

Add menu

Name:	<input type="text" value="Test Menu"/>
Order:	<input type="text" value="6"/> <small>Position of menu, ascending</small>
Location:	<input type="text" value="Top menu"/>

[Save and add another](#)
[Save and continue editing](#)
[SAVE](#)

Menu items

[+ Add](#) [✎ Change](#)

Add menu item

Menu:	<input type="text" value="Menu: Test Menu"/>
Title:	<input type="text"/>
Url:	<input type="text"/>
<input checked="" type="checkbox"/> New window <small>Open link in new browser window</small>	
Order:	<input type="text" value="27"/> <small>Position of menu item, ascending</small>
Group:	<input type="text" value="IGAD Secretariat"/>

[Save and add another](#)
[Save and continue editing](#)
[SAVE](#)



Menus

[+ Add](#) [✎ Change](#)





Add menu

Name:	<input type="text" value="Test"/>
Order:	<input type="text" value="6"/> <small>Position of menu, ascending</small>
Location:	<input type="text" value="Search sidebar"/>

Menu items

[+ Add](#) [✎ Change](#)

Add menu item

Menu:	<input type="text" value="Menu: Test"/>	 
Title:	<input type="text" value="Test google URL"/>	
Url:	<input type="text" value="http://google.com"/>	
<input checked="" type="checkbox"/> New window Open link in new browser window		
Order:	<input type="text" value="27"/>	
Position of menu item, ascending		
Group:	<input type="text" value="-----"/>	 

Filters

Clear

> TEXT

> KEYWORDS

> TYPE

> CATEGORIES

> OWNERS

> DATE

> REGIONS

> EXTENT

> COUNTRIES

> CROSS BORDER AREAS

> IGAD & SPECIALIZED OFFICES

> TEST

Test google URL

4.3.2 Creating New Thematic Areas and Keywords

Here you will learn how to create new Thematic Areas and its related keywords following a hierarchy or to manage already existing ones. Let us begin following a structured procedure to create a hierarchy from A to Z.

1. **Click** on the *Add* icon.



2. On the new page, **Click** the + icon to create a new Thematic Area (the head of the hierarchy).

Add hierarchical keyword meta

Hkeyword:	<input type="text" value="*****"/> ✚
Title:	<input type="text"/>
Description:	<div style="border: 1px solid #ccc; height: 80px;"></div>
Icon:	<input type="button" value="Scegli file"/> Nessun file selezionato
Color:	<input type="text"/>
Url:	<input type="text"/>
Order:	<input type="text" value="70"/> <small>Position of category, ascending</small>

3. **Fill** the requested fields, for example as the figure below then **Save** it.

Now you can find the created Thematic Area within the list.

1. **Select** *Test Thematic Area* from the Hkeyword list. **Fill** the requested metadata fields then **Save** it. These fields allow you to describe and customize your Thematic area by adding a Title, Description, an Icon etc..

Now let us create a child in our Thematic Area.

1. **Click** again on the + icon then **Fill** the fields as in the figure below and **Save** it.



Note: Note that now *Child test* is a child relative to Test Thematic Area.

1. **Fill** the requested metadata for the Child test fields then **Save** it.
2. **Return** to the main page of the IGAD portal. **Drop down** the Thematic Areas menu, you should find the thematic created before.
3. **Enter** the Thematic Area Test by clicking on it. You will find the child created before.

Add hierarchical keyword

Name:	<input type="text" value="Test Thematic Area"/>
Slug:	<input type="text" value="TTA"/>
Position:	<input type="text" value="Child of"/>
Relative to:	<input type="text" value="-- root --"/>



Change hierarchical keyword meta

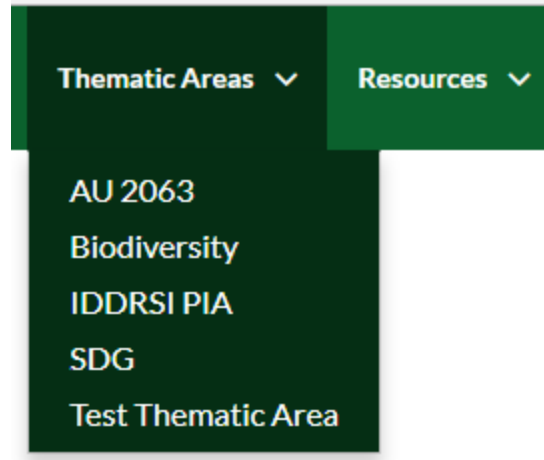
Hkeyword:	<input type="text" value="Test Thematic Area"/>  
Title:	<input type="text" value="Test"/>
Description:	<div>Test is my first Thematic Area</div>
Icon:	<div>Currently: img/2018/05/test.jpg</div> <div>Change: <input type="button" value="Scegli file"/> Nessun file selezionato</div>
Color:	<input type="text" value="#ff5f3a"/>
Url:	<input type="text"/>
Order:	<input type="text" value="70"/> <small>Position of category, ascending</small>

Add hierarchical keyword

Name:	<input type="text" value="Child test"/>
Slug:	<input type="text" value="child_test"/>
Position:	<input type="text" value="Child of"/>
Relative to:	<input type="text" value="Test Thematic Area"/>

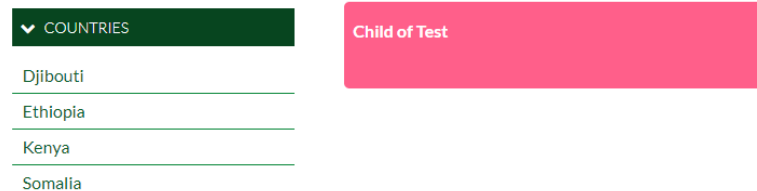
Add hierarchical keyword meta

Hkeyword:	<input type="text" value="Child test"/>  
Title:	<input type="text" value="test_child"/>
Description:	<div></div>
Icon:	<input type="button" value="Scegli file"/> Nessun file selezionato
Color:	<input type="text" value="#ff5f8a"/>
Url:	<input type="text"/>
Order:	<input type="text" value="71"/> <small>Position of category, ascending</small>



Test

Test is my first Thematic Area



The child tab is empty at the moment. To assign a Layer, Document or a map to the child:

1. As an example, **Explore** the existing layers then **Select** one. **Click** on *Edit Layer* tab.
2. **Click** on *Wizard* in the pop up page.
3. **Assign** the keyword Child test to the layer then **Update**.

Now the Child test tab is not empty anymore and contains the assigned layer.

Django Administration Functionalities This section will introduce you briefly to the Django Administration Functionalities.

Managing Users, Groups and Data This section will show you how to manage users, groups and data.

Portal Customization This section will show you how to customize the portal by adding new Thematic Areas, new Menus and Menu items.

This documentation is intended for users having familiarity or not with geospatial platforms and geoportals. The tutorials are based on performing a number of tasks and are divided into two groups *Users* and *Administrators*.

Introduction This section will introduce the user to GeoNode and to IGAD.

IGAD Spatial Web Portal Overview: This section will guide the user to an overview on the interface of IGAD Spatial Web Portal and its main components.

Users Tutorial This tutorial is addressed to basic users and will teach the user how to use the portal.

You will learn how to:

1. Manage the user accounts and how to modify it.

Edit Layer

Child of Test

Selected Objects

Add objects through the "checkboxes".

Set permissions

Filters Clear

▼ TEXT

Search by text Q

► KEYWORDS

▼ TYPE

1 found ⌵



ECONOMY

Cross border livestock trade flows along Ethiopia-Kenya-Uganda border

The data displays the spatial distribution of livestock trade flows along Ethiopia-Kenya-Uganda border. The mapping project conducted in 2016 was in support of the World Bank funded project- Regional Pastoral Livelihood Resilience Project (RPLRP) cross border areas. The project report is titled ...

icpald
6 Mar 2017
30
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0
Create a Map

<
page 1 of 1
>

2. Use the searching tools.
3. Manage Data and Maps, update the styles and publish them.
4. Load datasets into the portal.

Administrators Tutorial This tutorial is addressed to administrators and will teach the admin how to manage the portal.

You will learn how to:

1. Use the Django Administration Panel.
2. Manage users, groups and data.
3. Customize the portal interface.