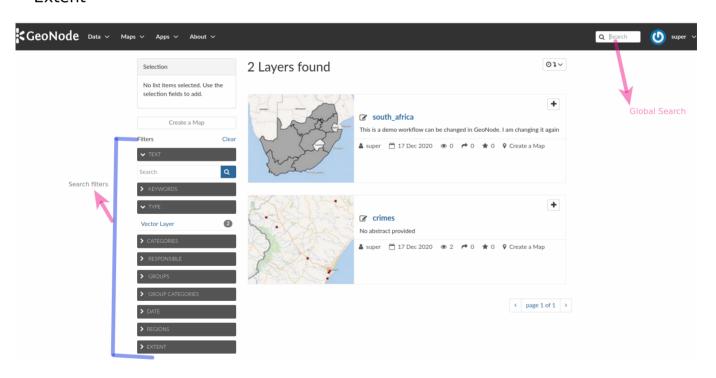## Searching GeoNode Resources

"Locating resources in GeoNode is done using elastic search and other combination of filters"

The resources(layers, maps, documents) are available for searching, styling and processing and to generate maps that can be shared with other users. When a GeoNode is fully functionally it can hold a lot of resources. The different ways to locate resources in GeoNode are

- Free keywords text
- Keywords
- Type
- Categories
- Responsibles
- Groups
- Groups Categories
- Date
- Regions
- Extent

You try:

Goal: To explore how to browse and filter GeoNode content

Instance 1

- Navigate to your GeoNode instance.
- For non logged users click on the Search
- Enter the name of the layer you need to access. As you type in the text representing the name of the layer, the search auto filters to show the available layers.

- Preview the layer you have searched.

Instance 2

- Log into GeoNode
- Navigate to the search and repeat the steps in Instance 1.
- Alternatively navigate to the left side of the layers page and choose from the Search Options.
- The layers are filtered based on the search options.
- The Search options are heavily dependent on the metadata captured for the layers.

Check your results

After searching your layers you should see the layer or maps you have just selected and you can explore the pro

Name	Expectation
Search Options - Extent	Zoom to extent of a country
Search Options - Regions	Select a specific regions ie Africa >Southern Africa

More about searching and accessing resources

GeoNode uses the search engine elastic search which provides a distributed, multitenant-capable full-text search engine with an HTTP web interface and schema-free JSON documents. GeoNode also provides for searching through Text, Categories, Type, Keywords, Date, Regions, or Extent. The search method incorporates searches of Metadata.

Check your knowledge:

1. What is the difference between searching for layers when logged into GeoNode vs not logged in:
   a. *When logged in there are more search options available*
   b. *Searching for non logged users provides more options*
   c. *Layers searched when non logged can not be downloaded*

2. What is a remote service:
   a. *A GeoNode instance that is setup on a different server to provide geospatial layers*
   b. *Vector layers that can be accessed from the internet*
   c. *Any OGC service that provides layers as WMS, WFS and WCS layer*

3. Can you search for non-spatial content and maps in GeoNode:
   a. *Yes*
   b. *No*
   c. *I do not know.*

Further reading:

- import_and_manage import_and_manage.html
- searching http://docs.geonode.org/en/master/tutorials/users/searching/
- user_features http://docs.geonode.org/en/latest/tutorials/overview_and_ref/user_features/