CGIS Map Production
User Manual
Team #include

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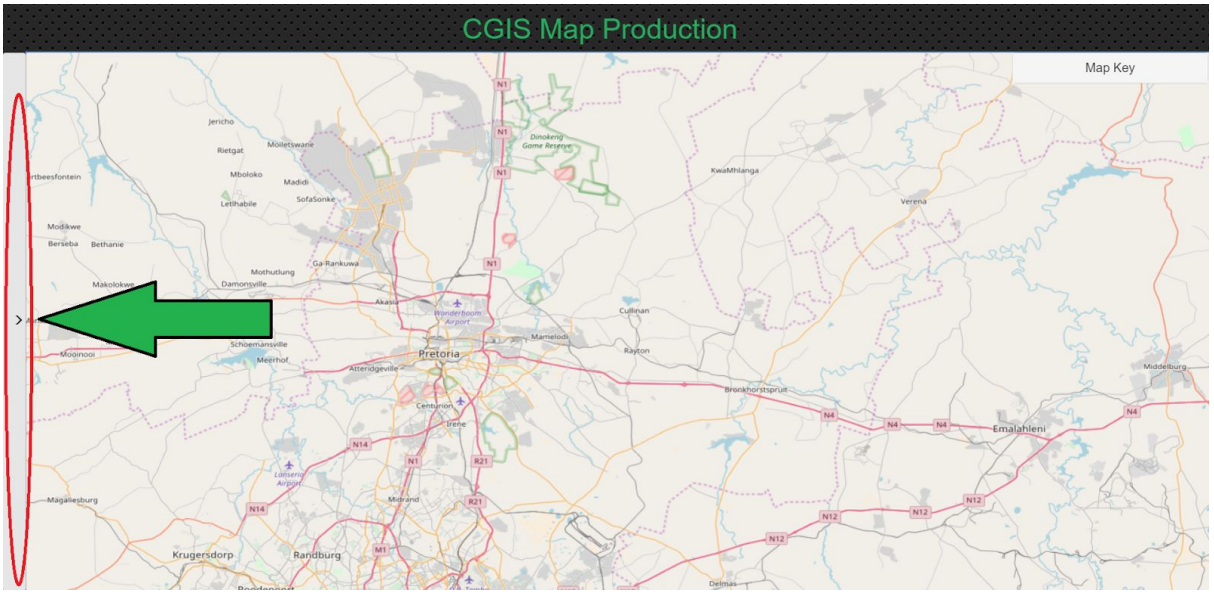
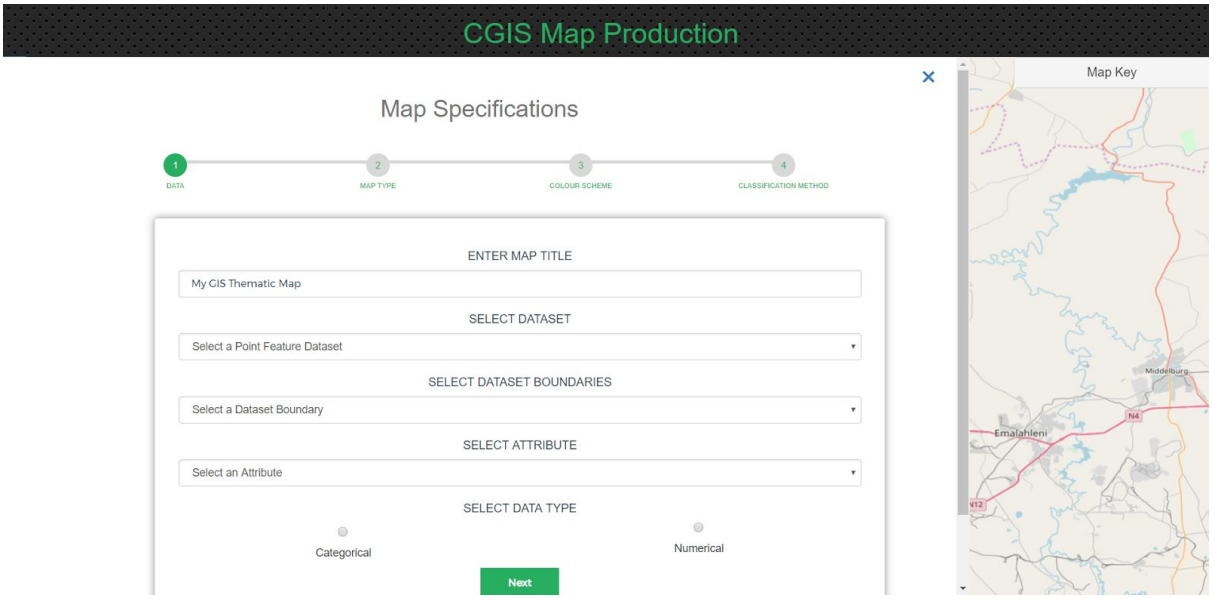
How to generate thematic maps with the **CGIS Map Production** system

1. Open the sidebar menu

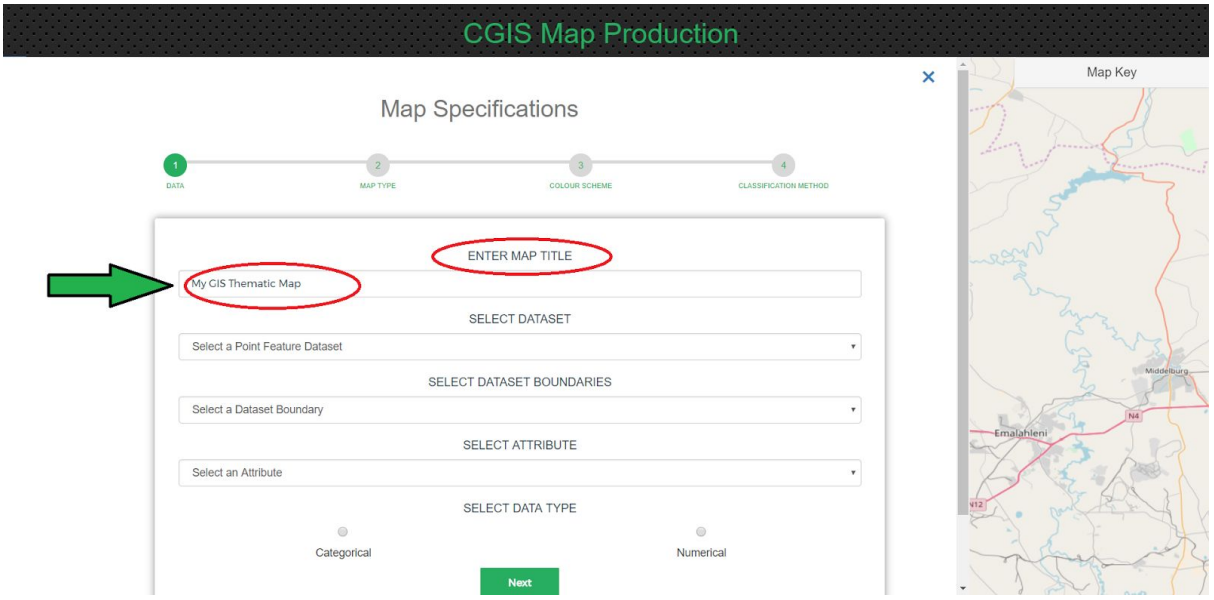
Click on the left sidebar to open the map generation wizard.





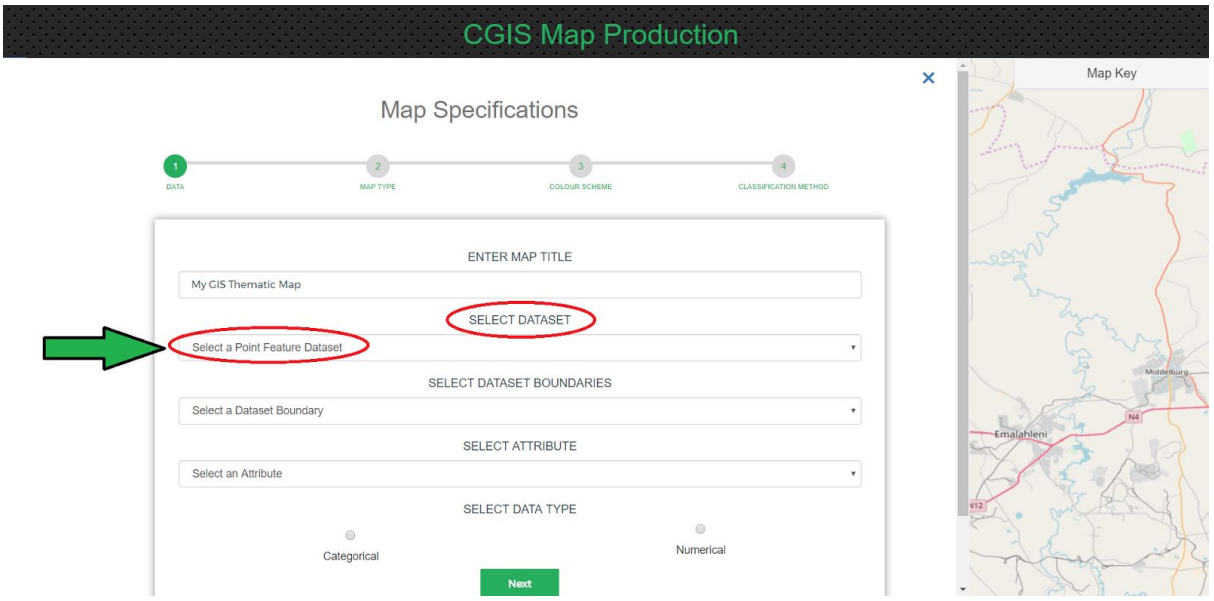
2. Give your map a title

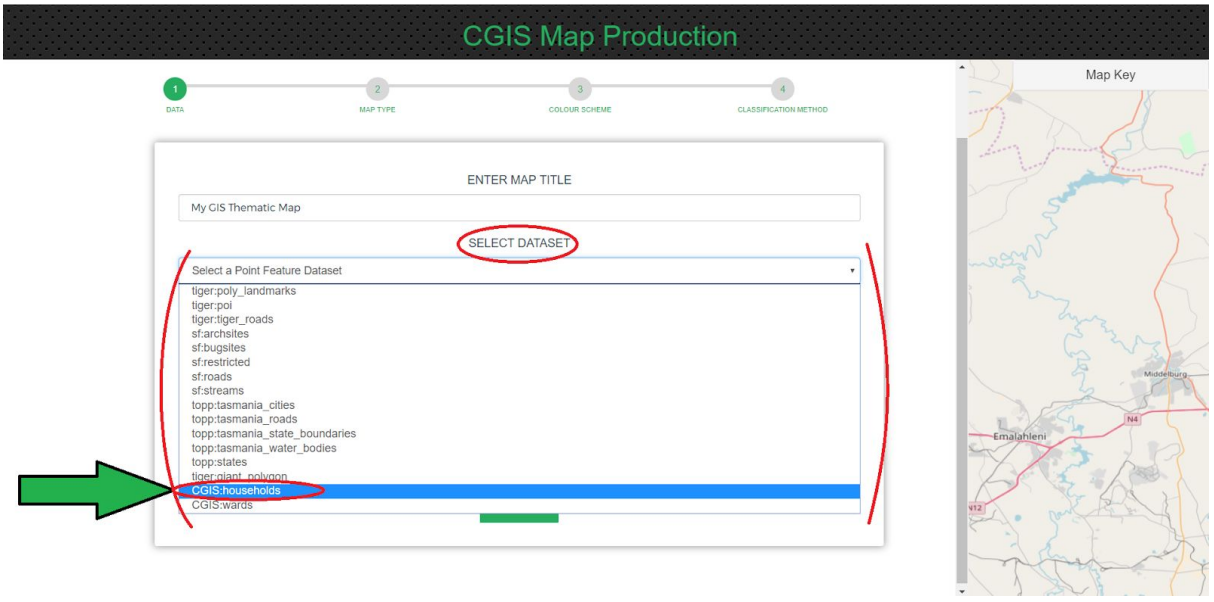
Click on the “ENTER MAP TITLE” text box and give a name for the map to be created.



3. Select a dataset

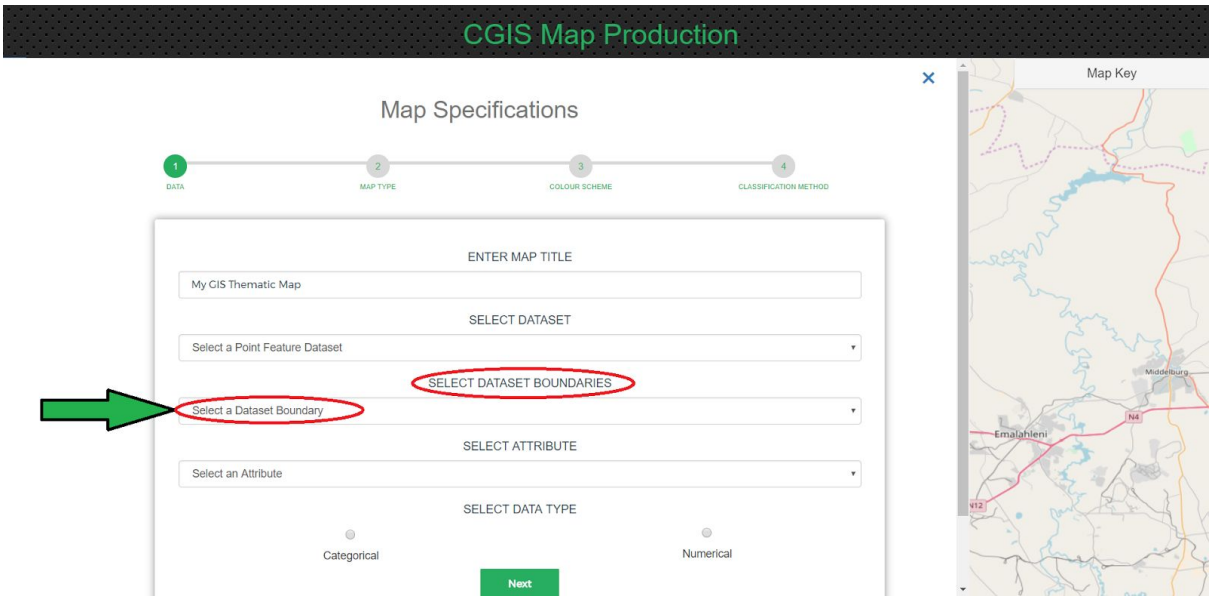
Click on the “SELECT DATASET” dropdown list and then select a point feature dataset to be used.

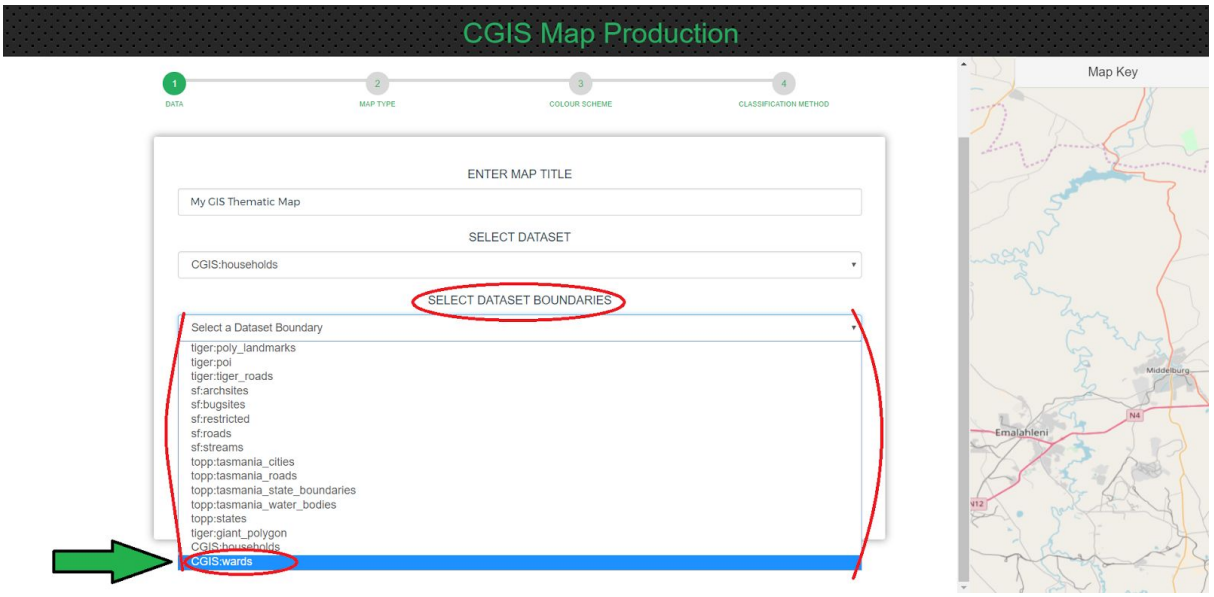




4. Select dataset boundaries

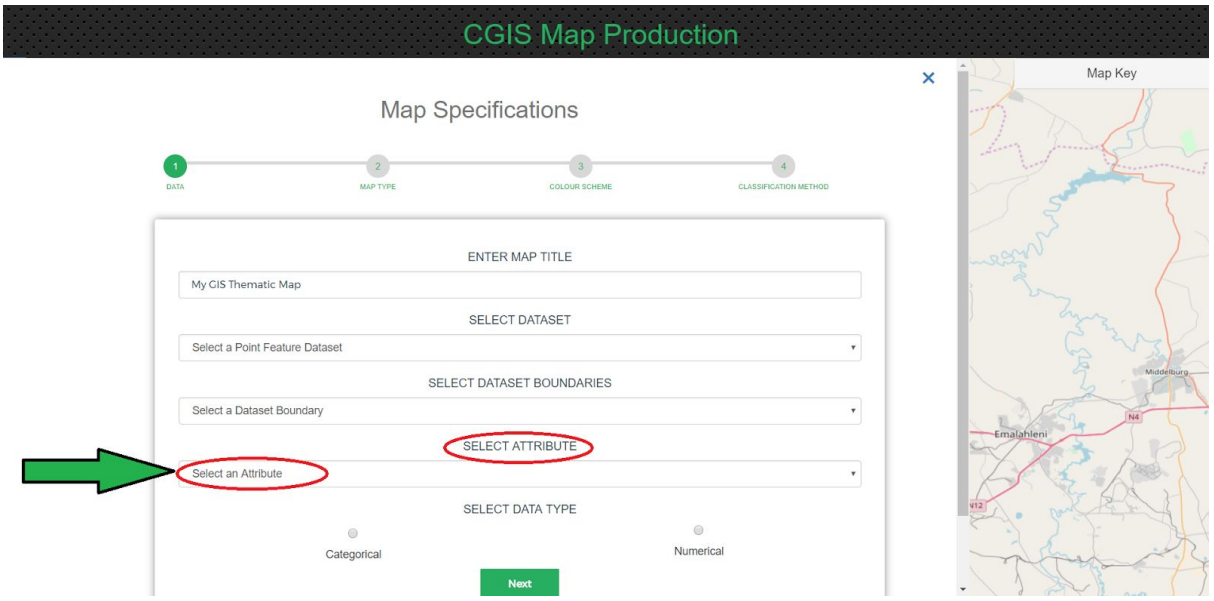
Click on the “SELECT DATASET BOUNDARIES” dropdown list and then click on the appropriate dataset to be used as the geographical boundaries or wards.

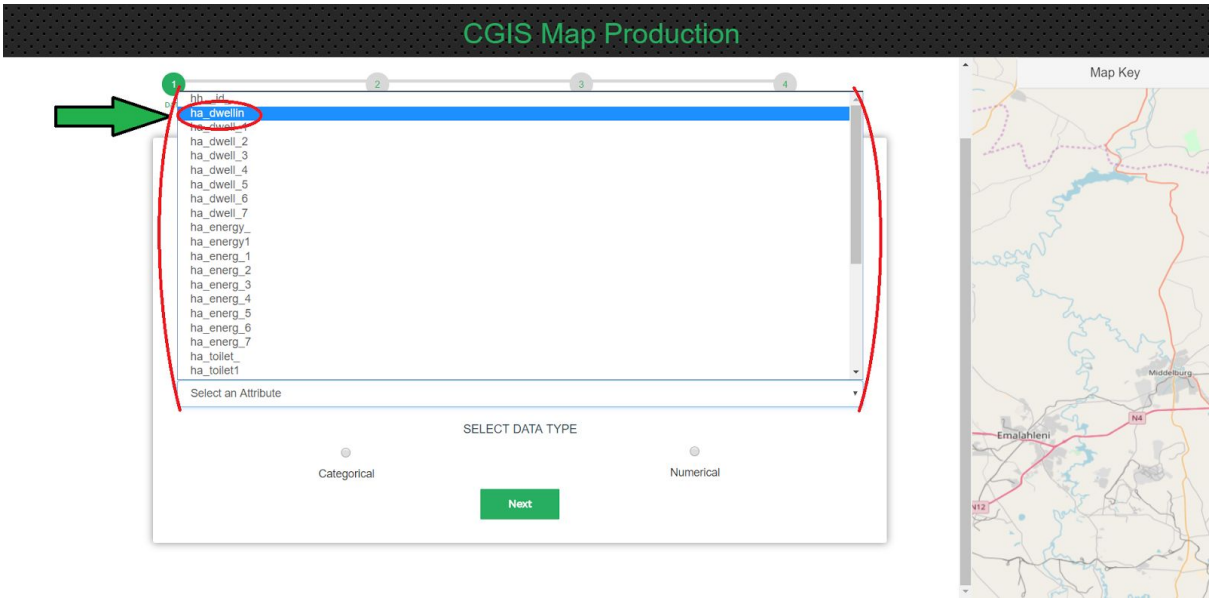




5. Select an attribute

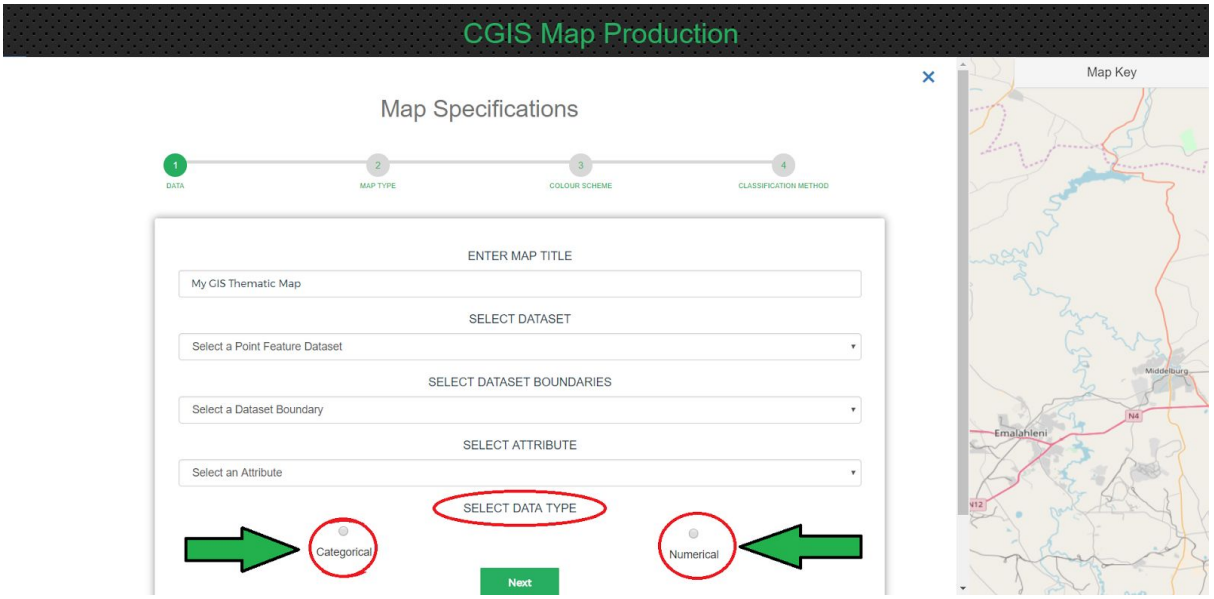
Select an attribute by clicking on the “SELECT ATTRIBUTE” dropdown list and then clicking on the desired attribute.

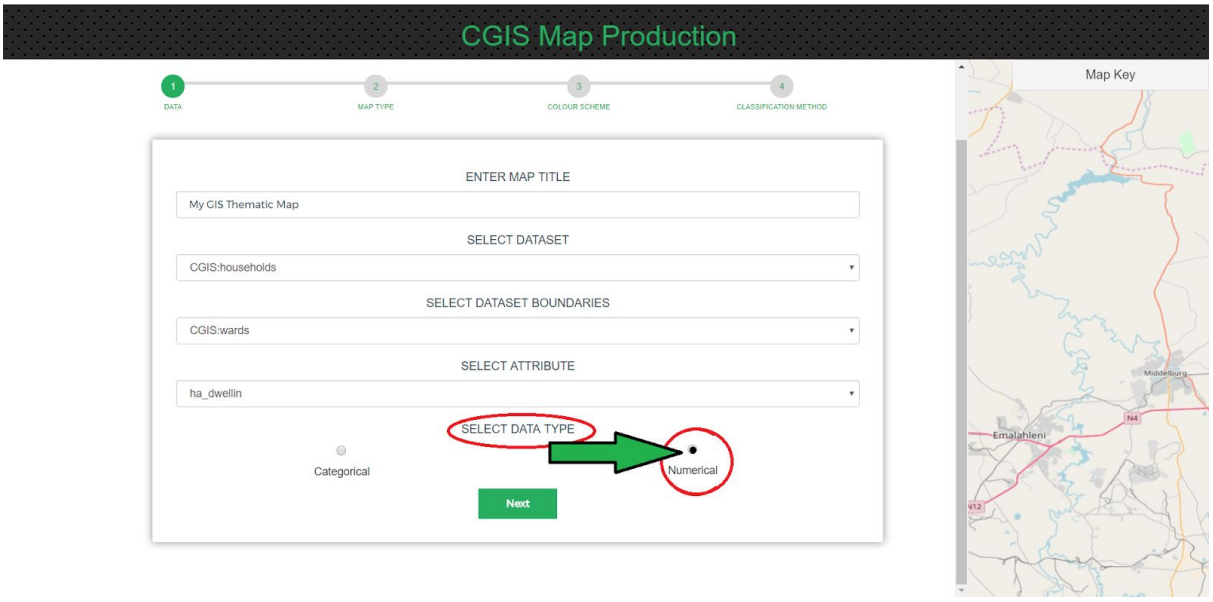




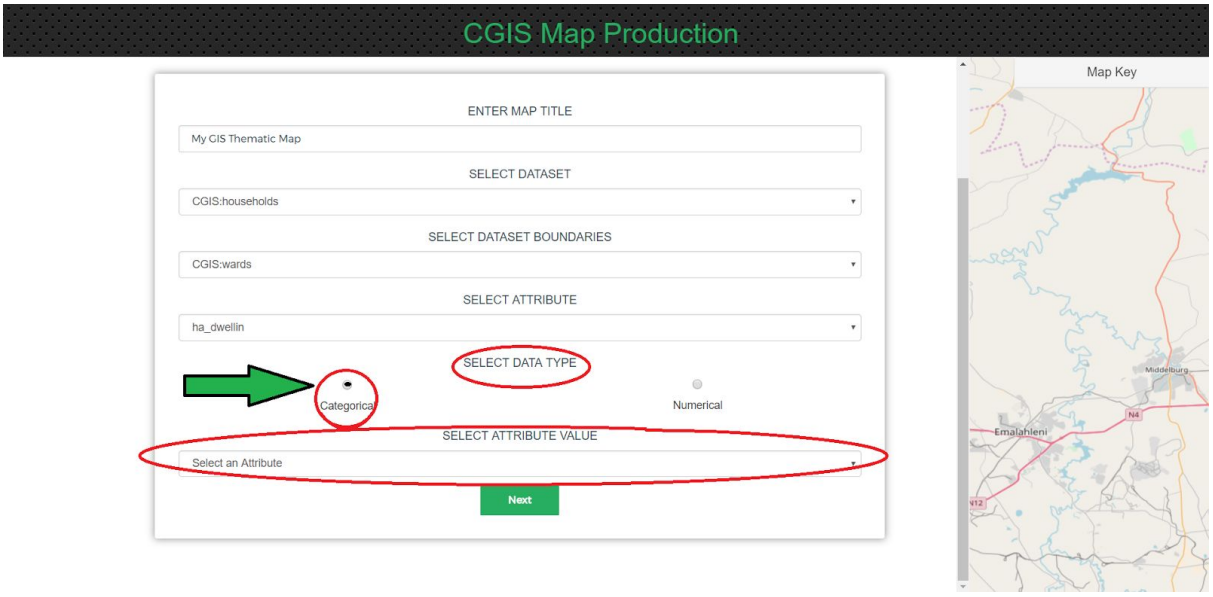
6. Select the data type

Specify the datatype of the chosen attribute (categorical or numerical data). If “categorical” is chosen a dropdown list will appear below the data type radio buttons as shown below. Note that this step requires the user to know the datatype of the attribute to be used in the map generation process.




CGIS Map Production
1
DATA
2
MAP TYPE
3
COLOUR SCHEME
4
CLASSIFICATION METHOD
ENTER MAP TITLE
My GIS Thematic Map
SELECT DATASET
CGIS:households
SELECT DATASET BOUNDARIES
CGIS:wards
SELECT ATTRIBUTE
ha_dwellin
SELECT DATA TYPE
Categorical
Numerical
Next
Map Key
Middelburg
N4
Emalahleni
N12

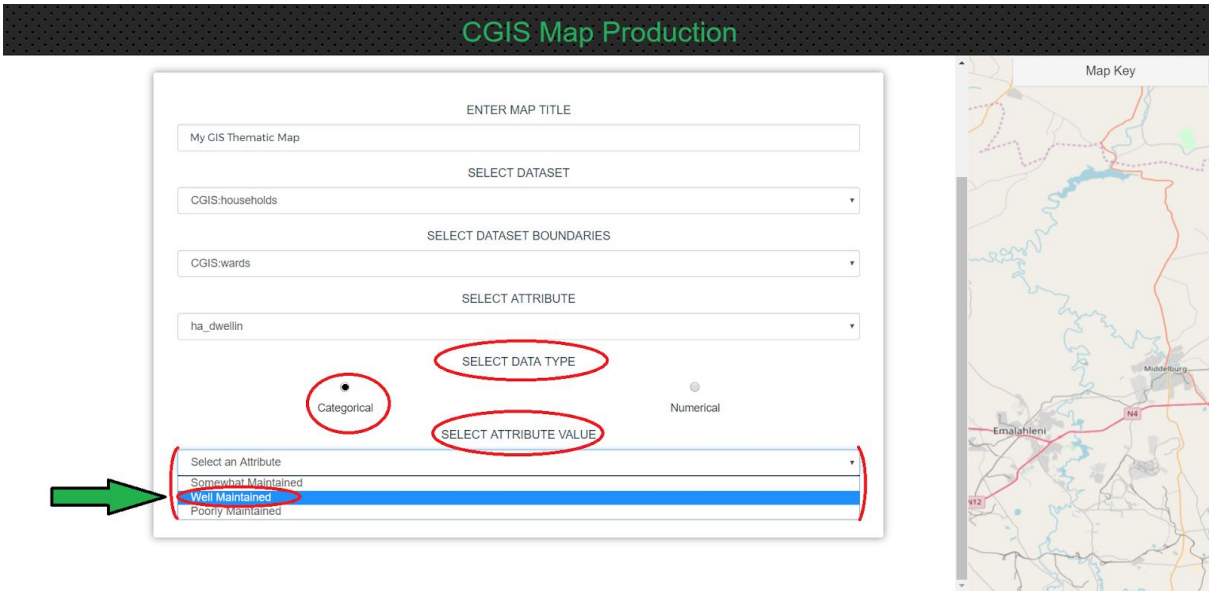
OR

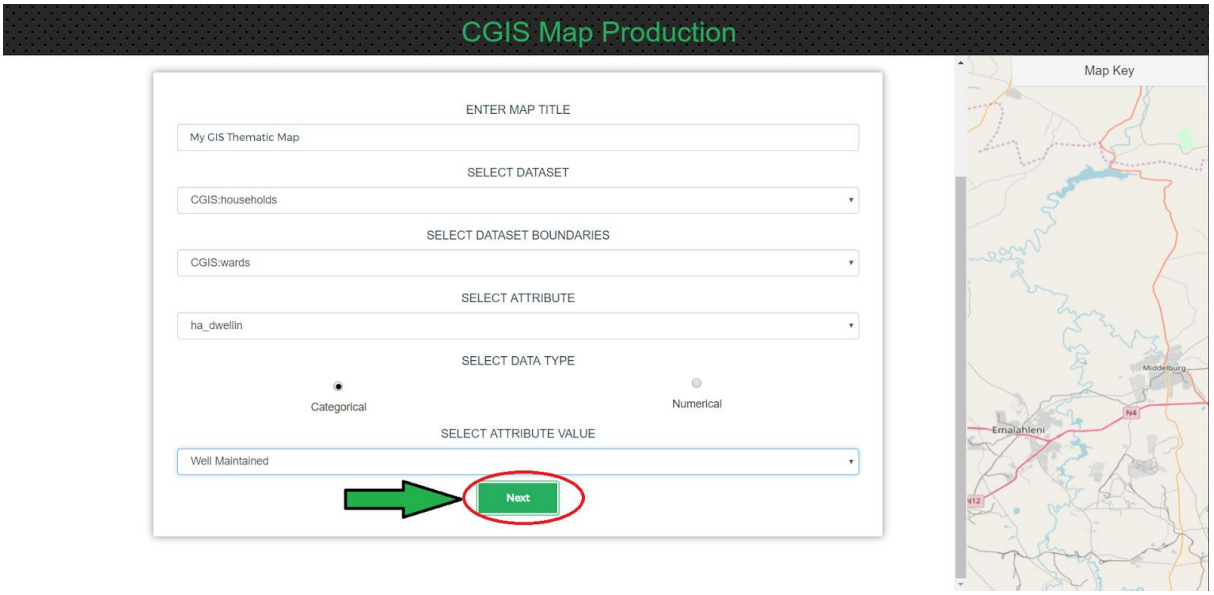

CGIS Map Production
ENTER MAP TITLE
My GIS Thematic Map
SELECT DATASET
CGIS:households
SELECT DATASET BOUNDARIES
CGIS:wards
SELECT ATTRIBUTE
ha_dwellin
SELECT DATA TYPE
Categorical
Numerical
SELECT ATTRIBUTE VALUE
Select an Attribute
Next
Map Key
Middelburg
N4
Emalahleni
N12

7. Select the attribute value

If the attribute to be displayed consists of categorical data, select the attribute value to be displayed from the “SELECT ATTRIBUTE VALUE” dropdown list and then click on the “Next” button.

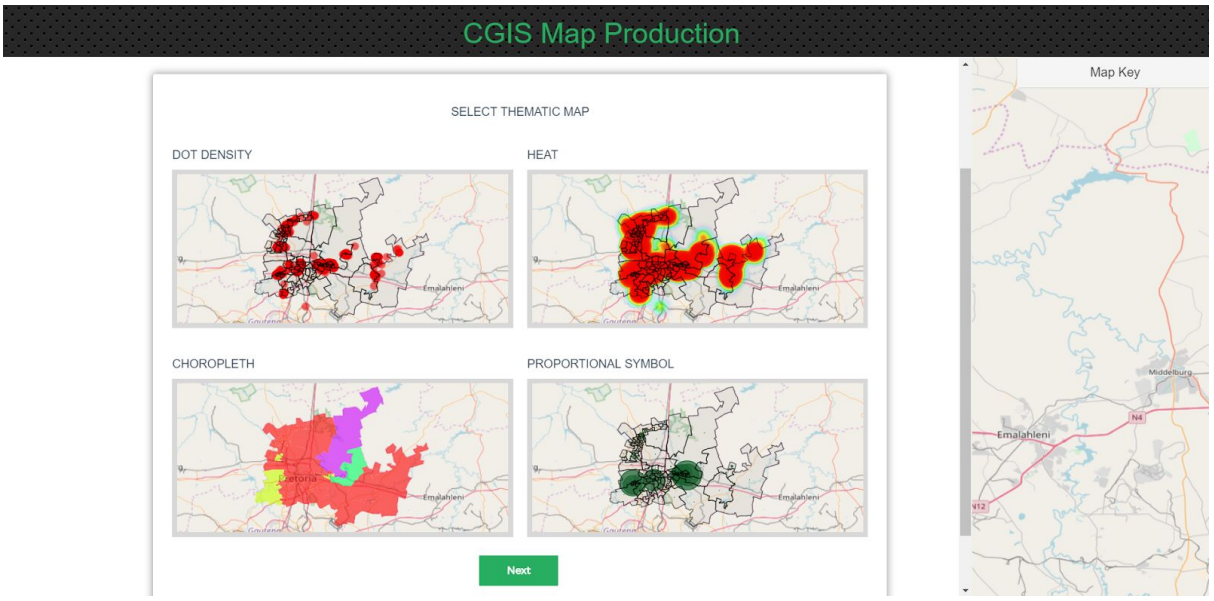
If the attribute to be displayed consists of numerical data, simply click on the “Next” button.

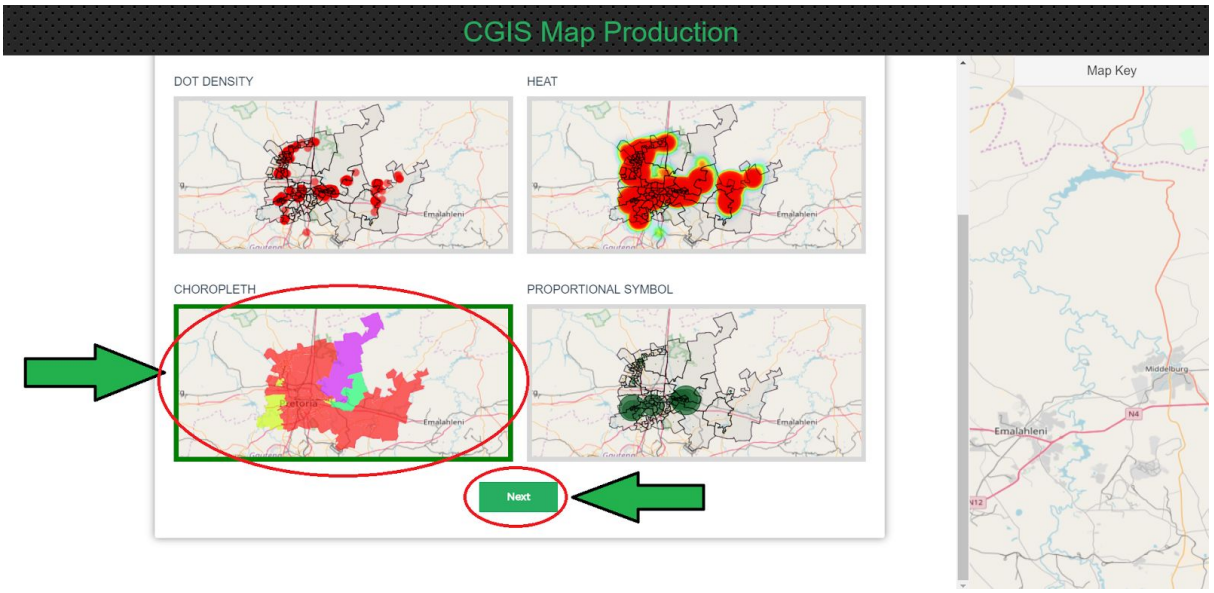




8. Select the type of map

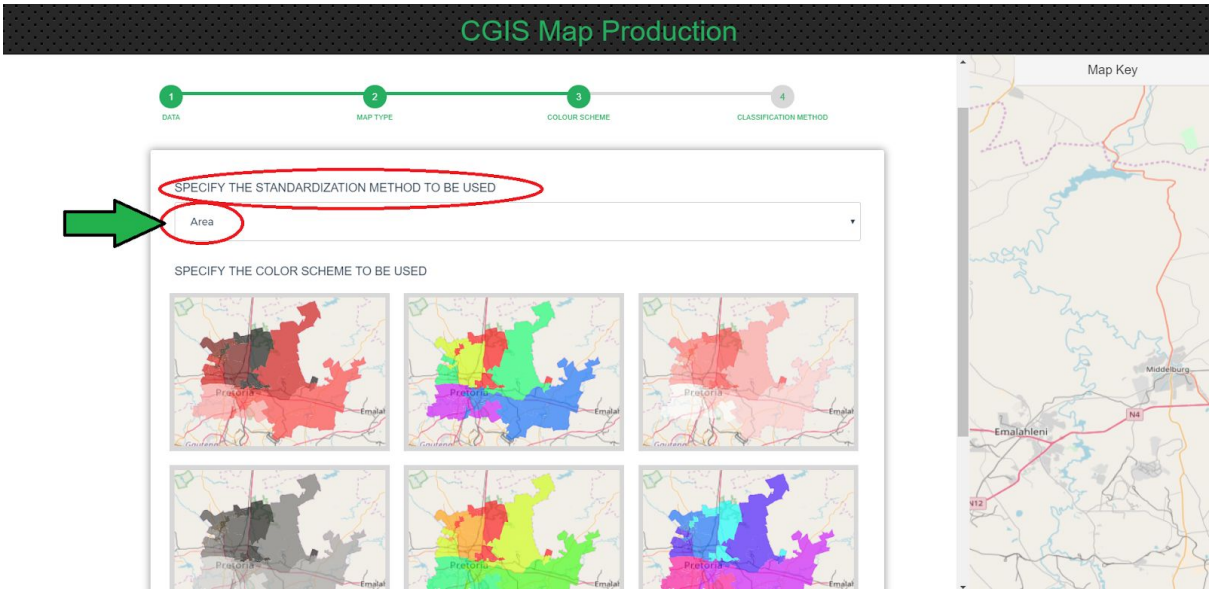
Select the type of map to be generated (a “CHOROPLETH” map for example) by clicking on the image corresponding to the map to be generated. Then click on the “Next” button.

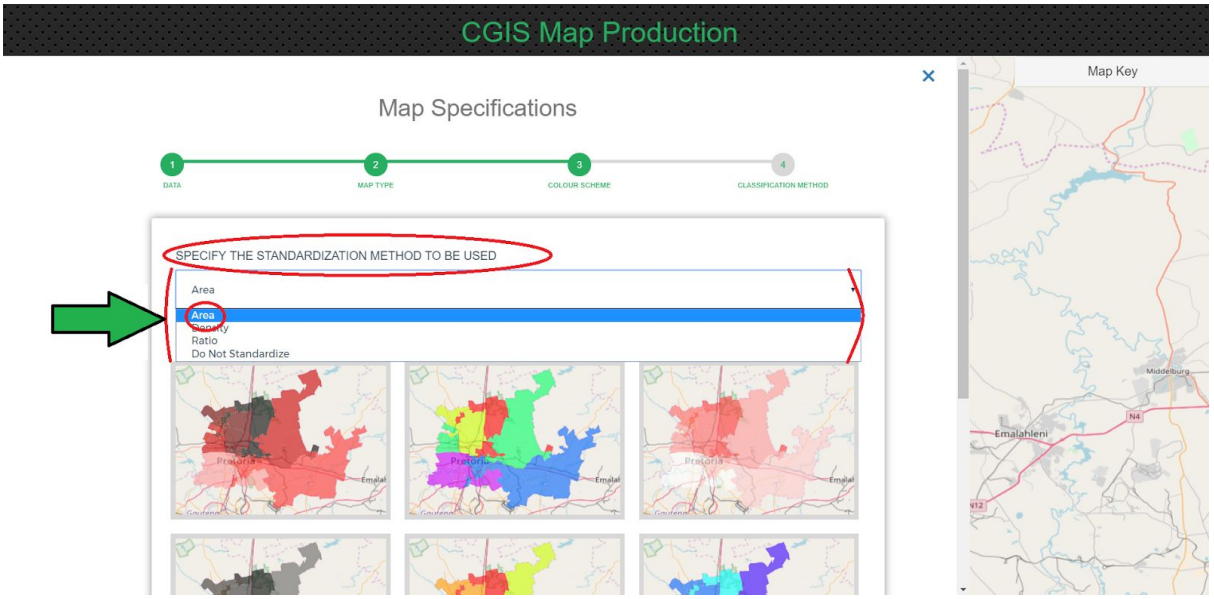




9. Specify the standardization method

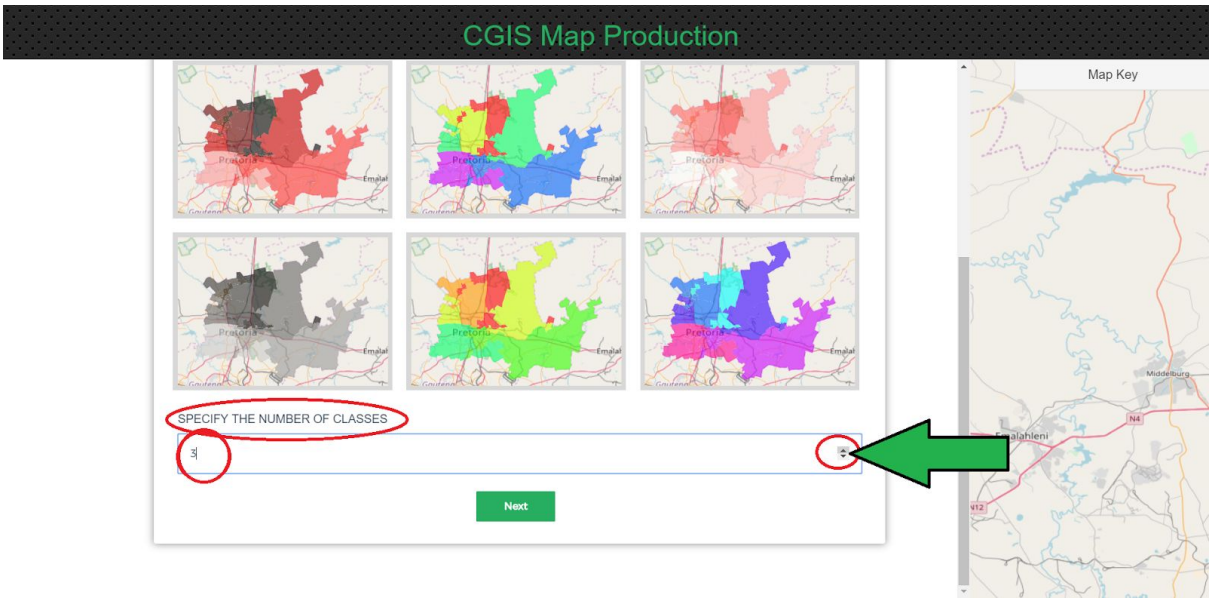
If the attribute to be displayed consists of numerical data (as specified during step 6), click on the dropdown list and select the standardization method to be used to standardize the data.





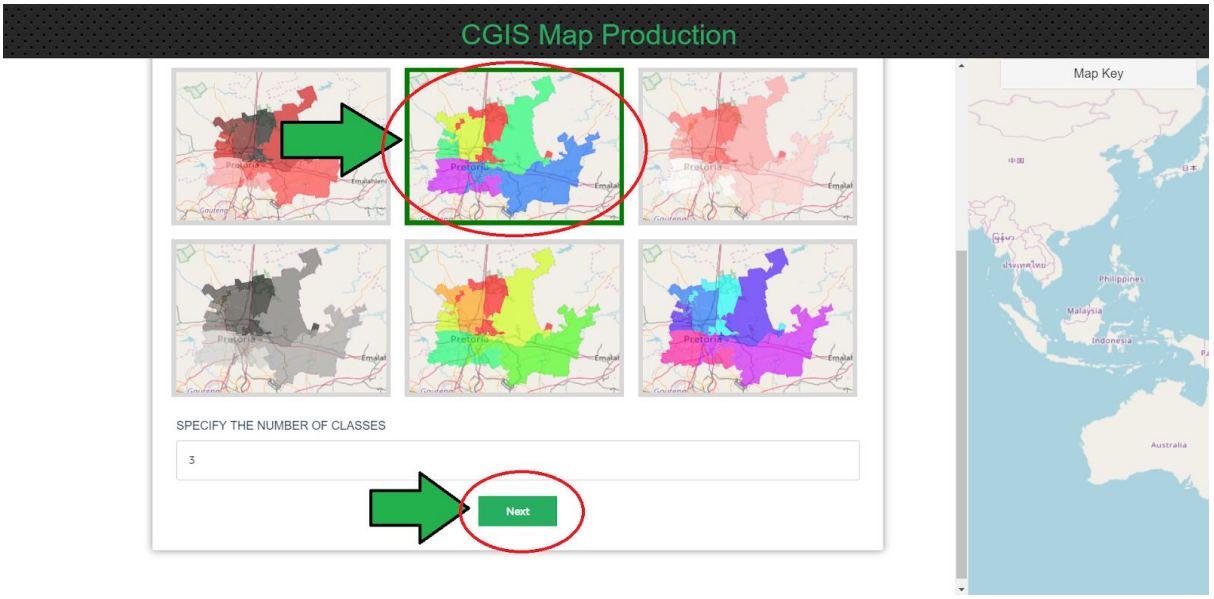
10. Specify the number of classes

If the attribute to be displayed consists of numerical data (as specified during step 6), enter the number of classes to be used to display the data on the map.



11. Specify the color scheme

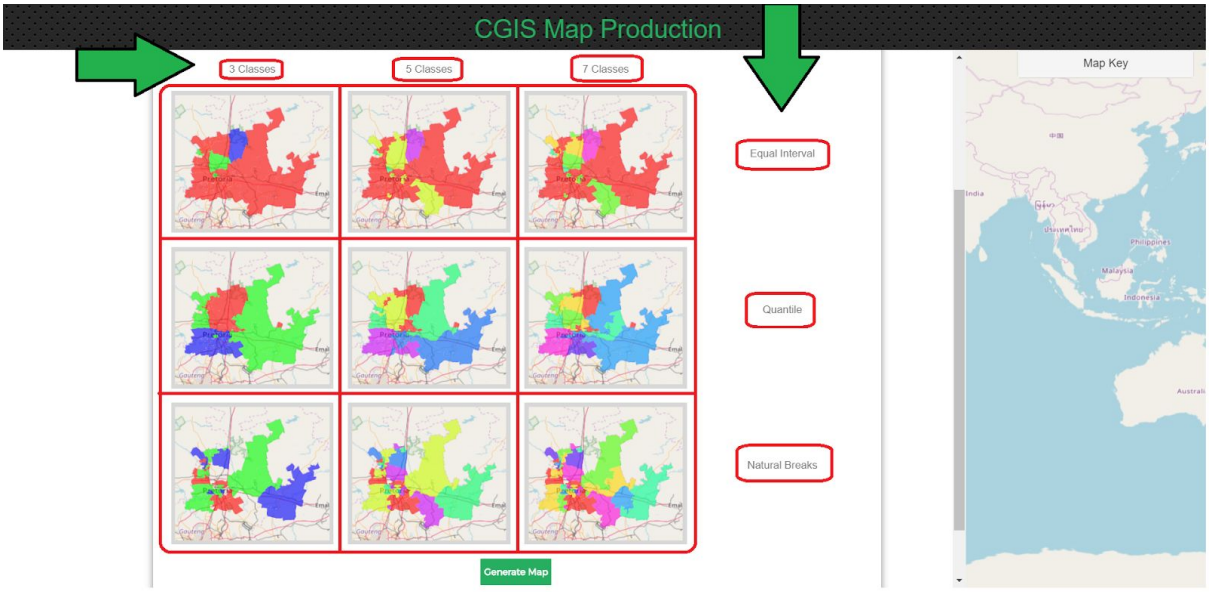
Choose a color scheme for the map to be generated and then click on the “Next” button.

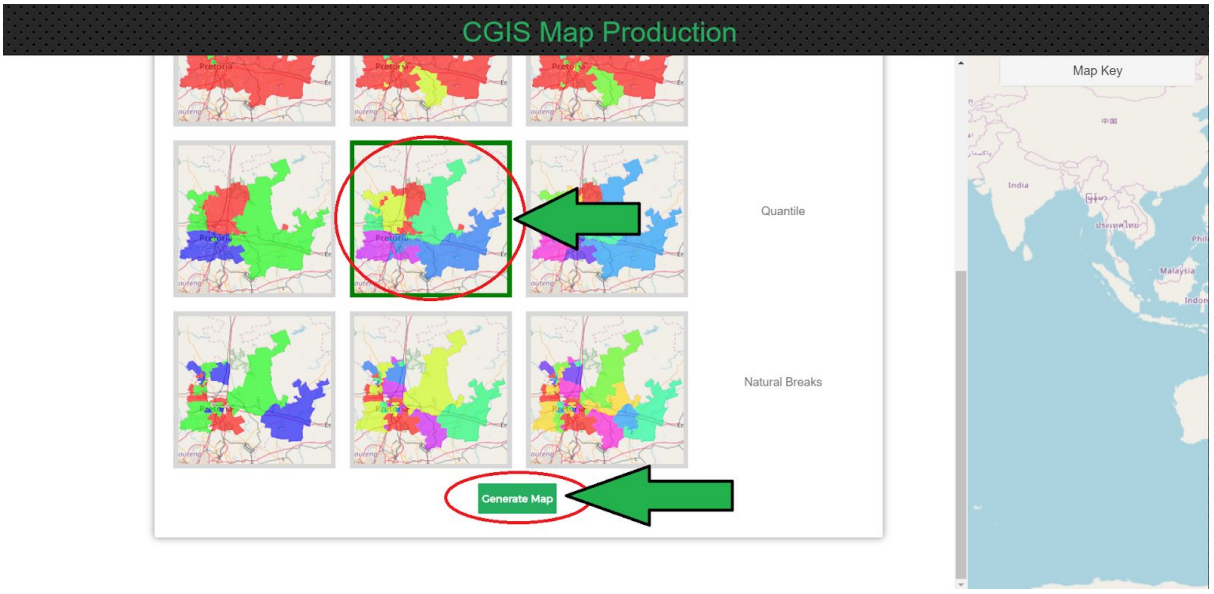


12. Generate final map

If the attribute to be displayed consists of numerical data (as specified during step 6), then one would have the option available to choose between various maps created with different classification methods and the different number of classes. The columns show maps generated with the different number of classes and the rows are the corresponding maps generated for different classification methods.

Choose a final map to be generated and then click on it. Then click on the “Generate Map” button to generate the final thematic map.

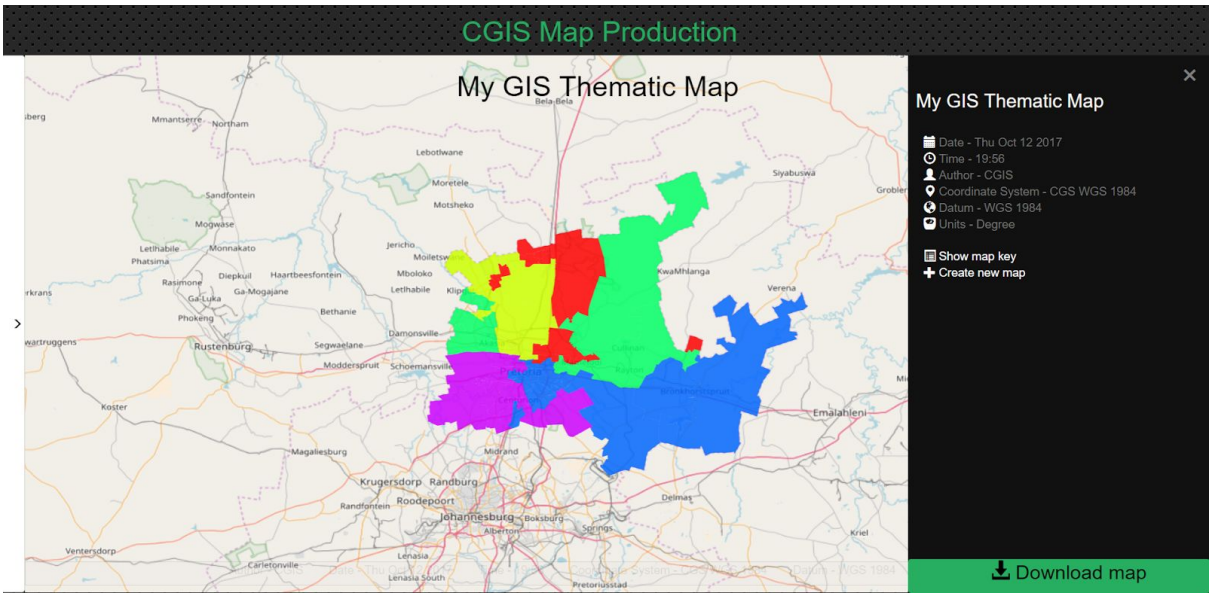


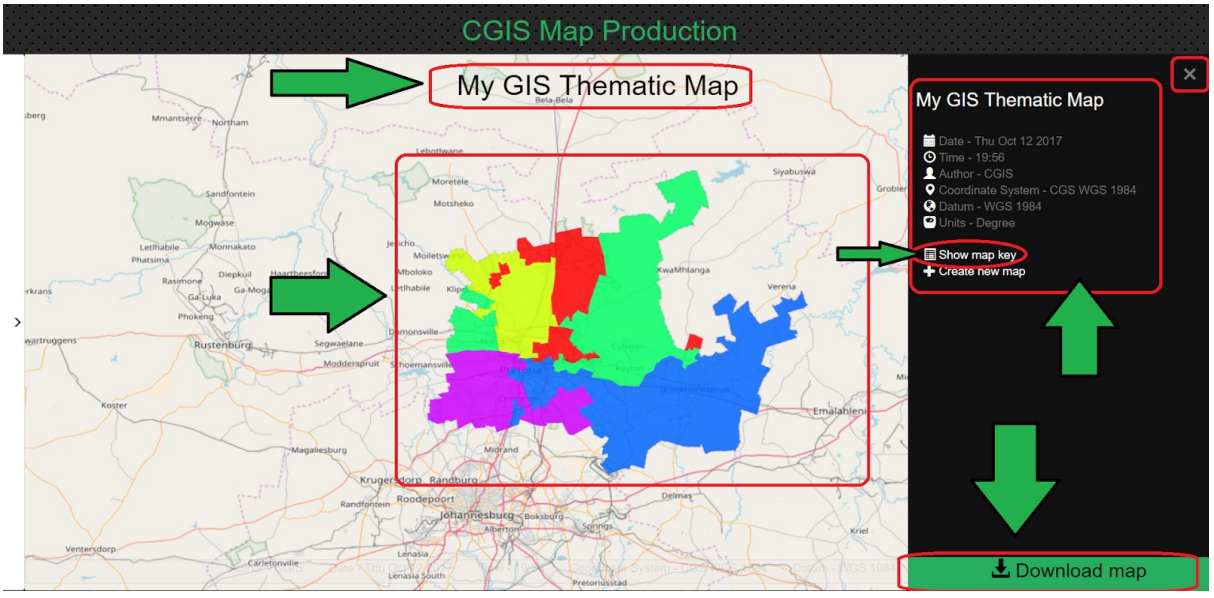


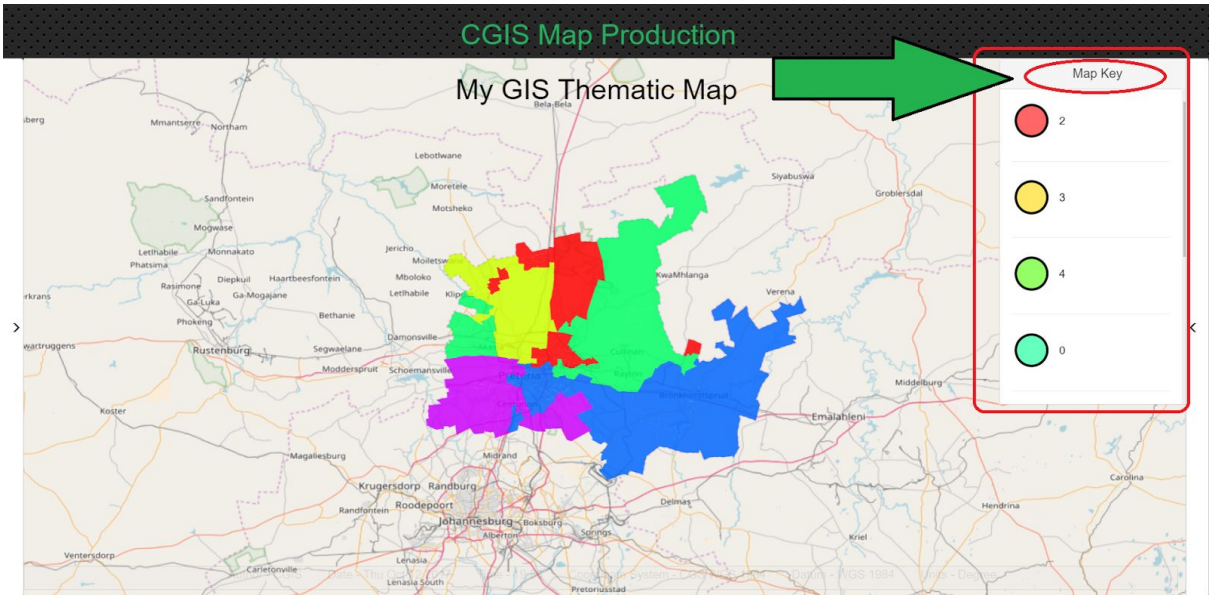
13. View map legend

The right sidebar will automatically open after generating the final map. From the sidebar (the map legend) one can view the map title and other metadata. There is also an option to view the map key, an option to create a new map, and a button to download the final map as PNG.

To view the map key, generate another map, or download the final map simply click on the corresponding icons.






CGIS Map Production
My GIS Thematic Map
Map Key
2
3
4
0
Bela-Bela
Mmantserre
Northam
Lebotlwane
Moretele
Motsheko
Siyabuswa
Groblersdal
Sandfontein
Mogwase
Letlhabile
Monnakato
Phatsima
Rasimone
Diepkuil
Haartbeesfontein
Ga-Luka
Ga-Mogajane
Phokeng
Bethanie
Rustenburg
Segwaelane
Modderspruit
Damonsville
Schoemansville
Jericho
Moiletsw
Mboloko
Letlhabile
Verena
Middelburg
Emalahleni
Koster
Magaliesburg
Midrand
Krugersdorp
Randburg
Roodepoort
Randfontein
Johannesburg
Boksburg
Springs
Delmas
Carolina
Hendrina
Kriel
Ventersdorp
Carletonville
Lenasia
Lenasia South
Pretoriusstad