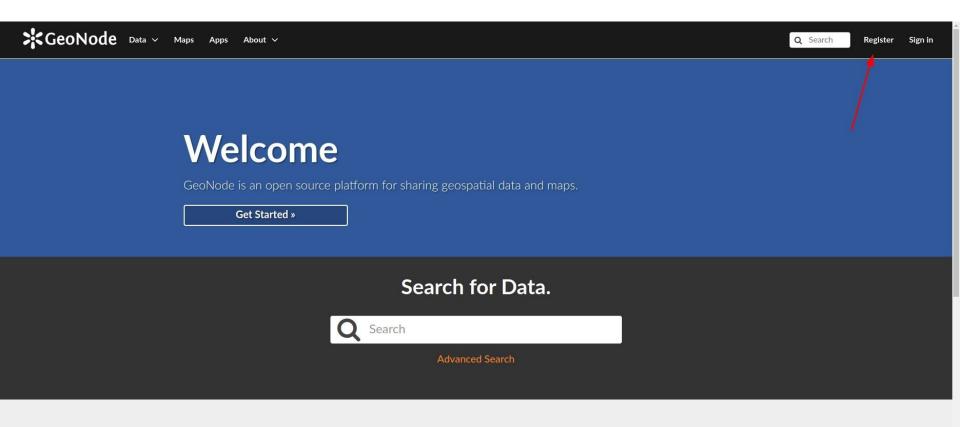
Creating Beat Map

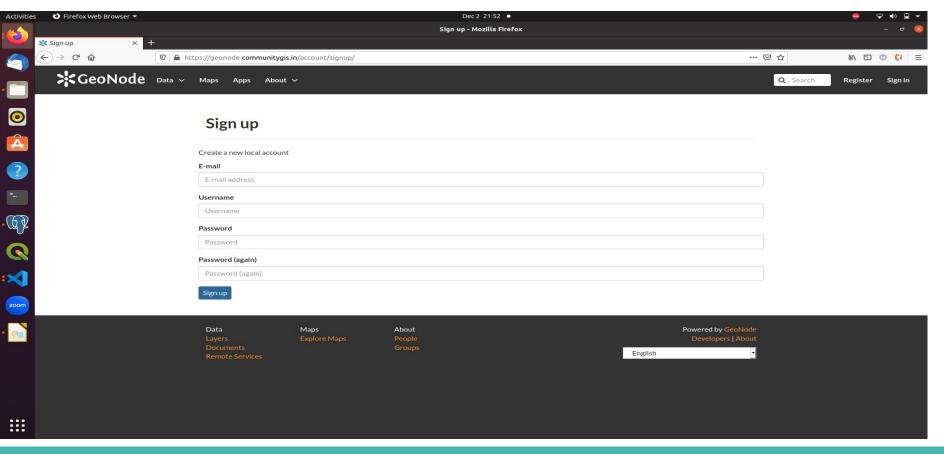
For Solid Waste Management Mumbai Prabhag61 example

Visit https://geonode.communitygis.in/

Create new account Click on "Register" on navigation bar



Sign up



Creating empty layer

Once logged in click on "Data" dropdown and then click "Create layer"



What is Beat?

- Beat is the area, mostly a group of buildings from where the waste is collected.
- It is of around 8000 m sq.
- So, our motive is to trace the beats and mention who is responsible for the Waste Management of the particular beat.

Hence, we need 3 fields in our data:

area name,

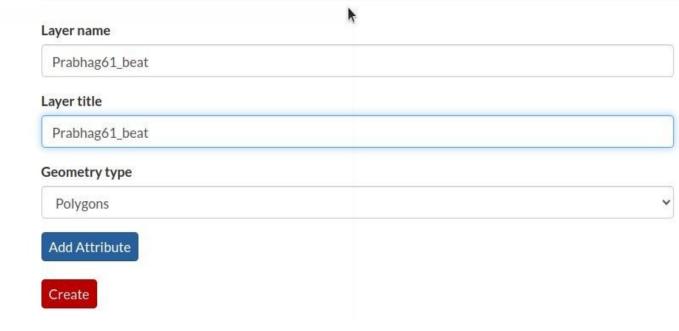
0000 m ca

- beat name and
- emp responsible.

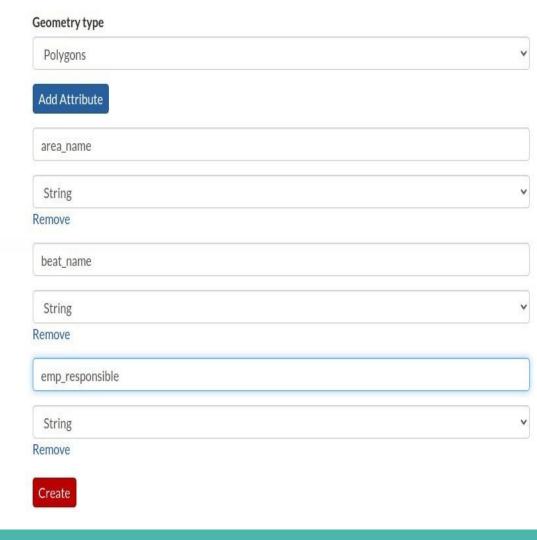
Note: We will also be calculating the area of the polygon so as to know it remain

- Enter layer name and title
- Select Geometry type as Polygons

Create an empty layer



- Add Attribute Like area name, beat name and employee responsible for that beat along with their data type accordingly using "Add attribute button"
- Click on create



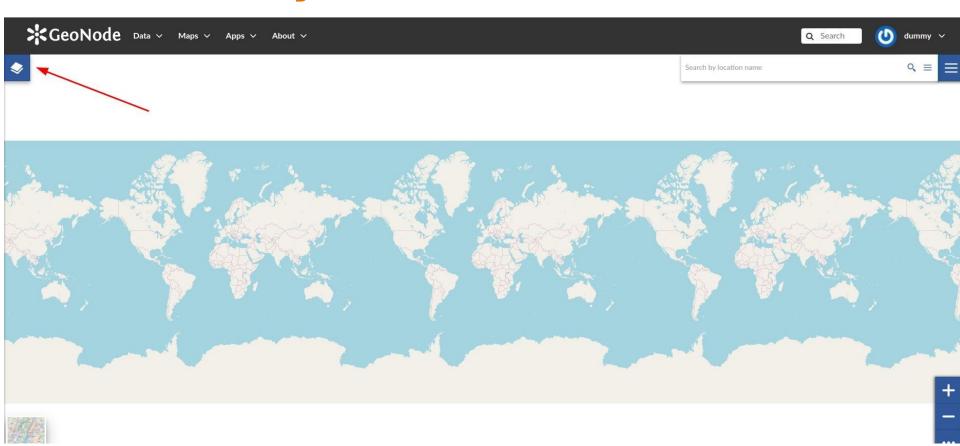
A new empty layer is created.. Click on view layer

Prabhag61_beat



Adding Ward layer

Click on layer icon

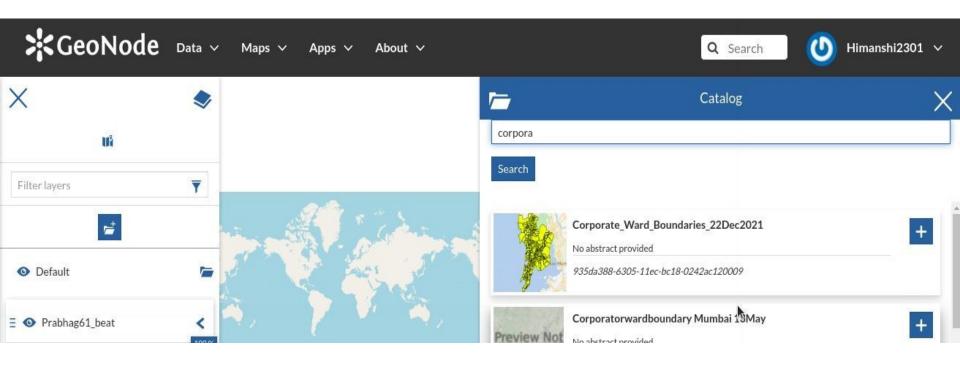


Click on add layer icon

*GeoNode Data × Maps × Apps × About ×

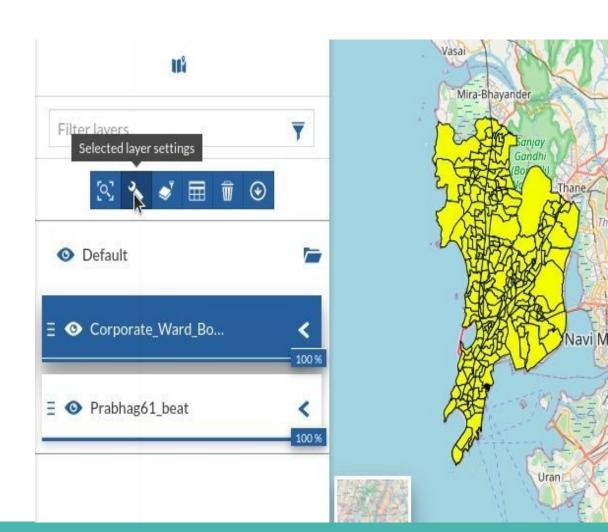


 Search for corporator ward layer in search bar of right panel Click on + icon to add that to act as an overlay

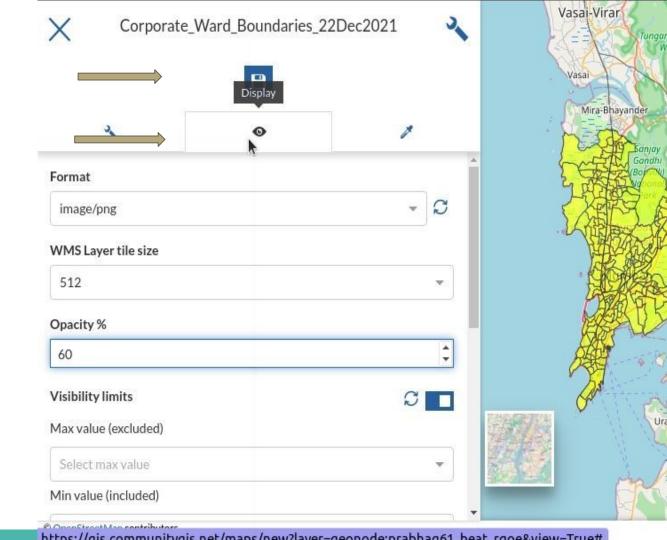


Reducing opacity of added layer

- Click on corporator ward layer on right panel
- Click on Settings Icon



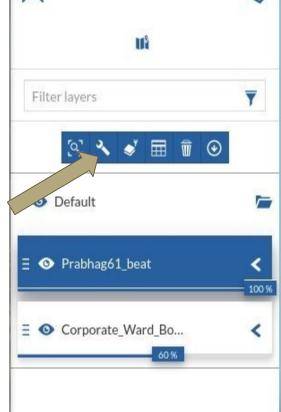
- Click on "display" icon
- Enter required opacity in "Opacity %"
- Click on Save Icon

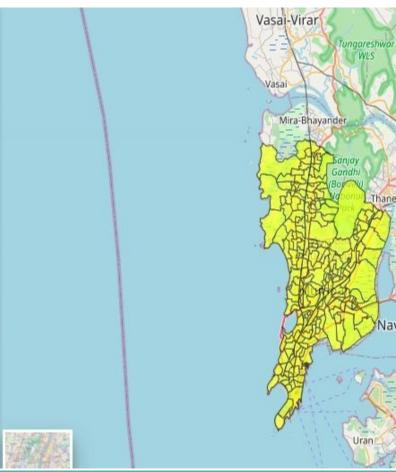


Adding polygon with attribute

Click on layer that you created initially

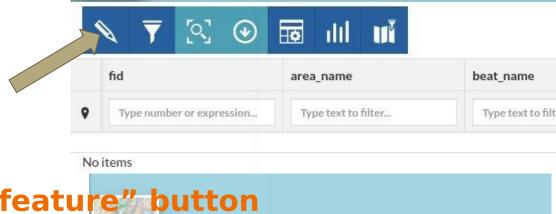
 Click on its attribute table



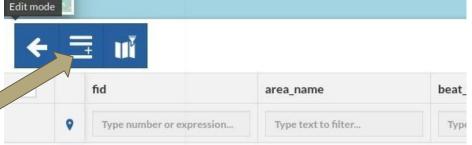




Click on "edit mode" button on bottom panel

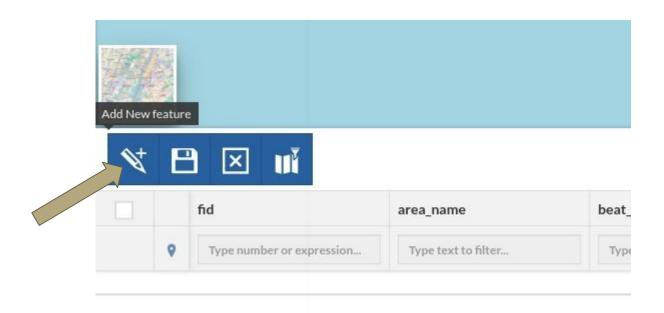


Click on "Add new feature" button

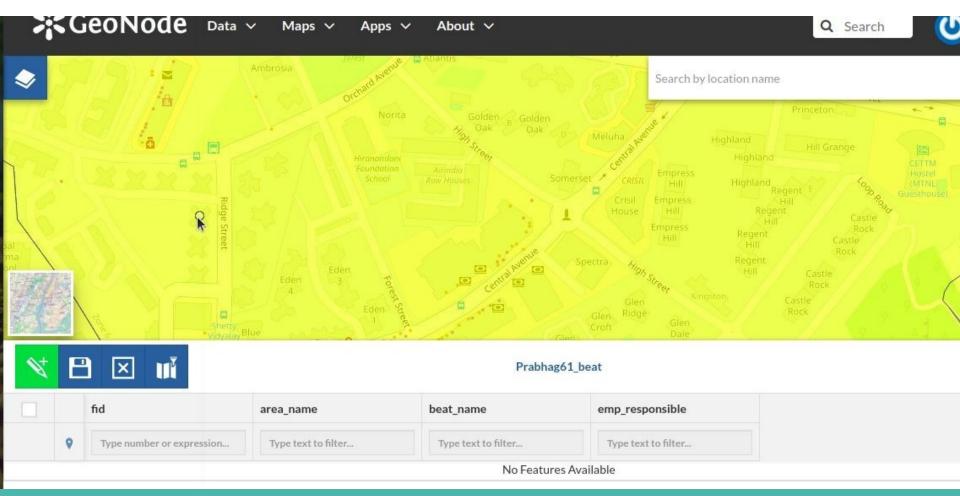


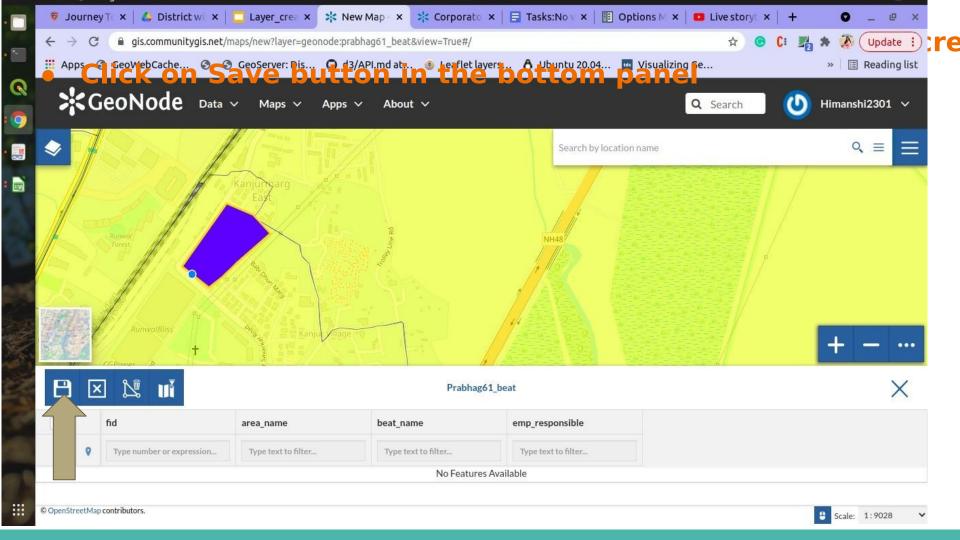
No items

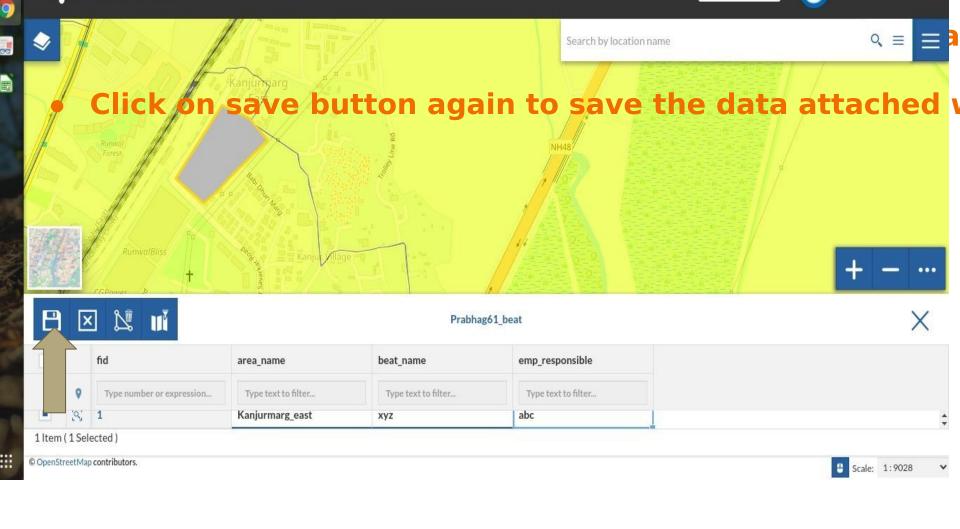
Click on "Draw Feature button"



Zoom to the region you want to create layer



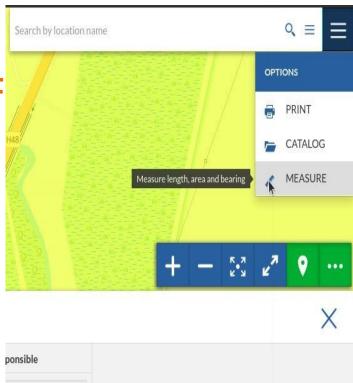




Now we need to make sure that the drawn polygon is approximately 8000 m. sq.

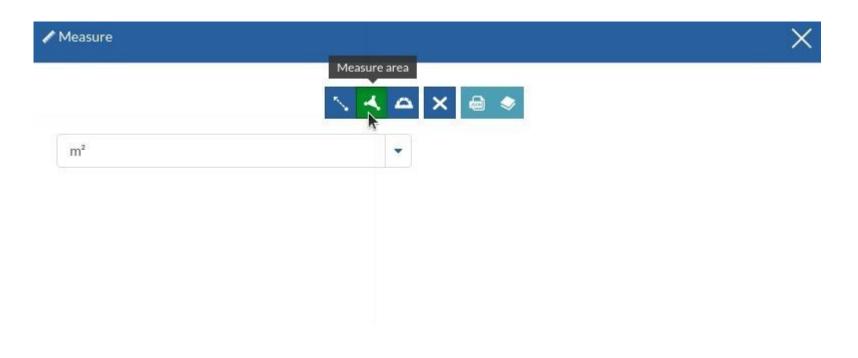
 Go to options icon in right most of the screen

Click on measure.

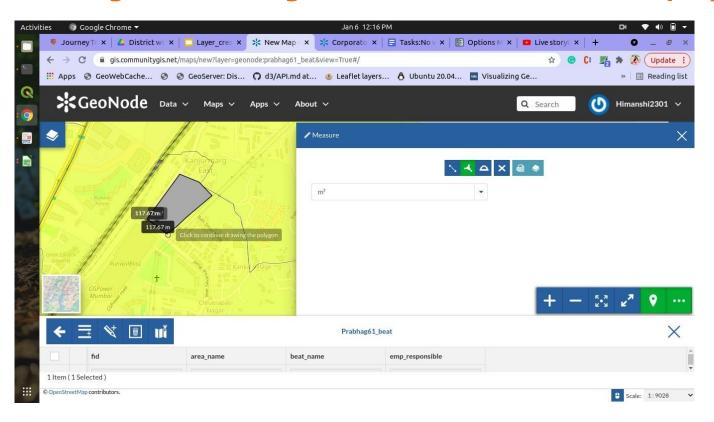


Now we need to make sure that the drawn polygon is approximate

- In this dialogue box click on second icon to measure the area o
- Select the unit as m sq. from the dropdown.

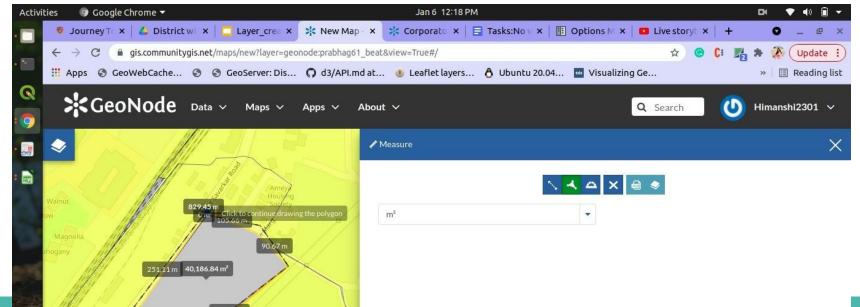


Now we need to make sure that the drawn polygon is approximately 8000 m. sq. Slide the dialogue box using mouse to zoom on drawn polygon



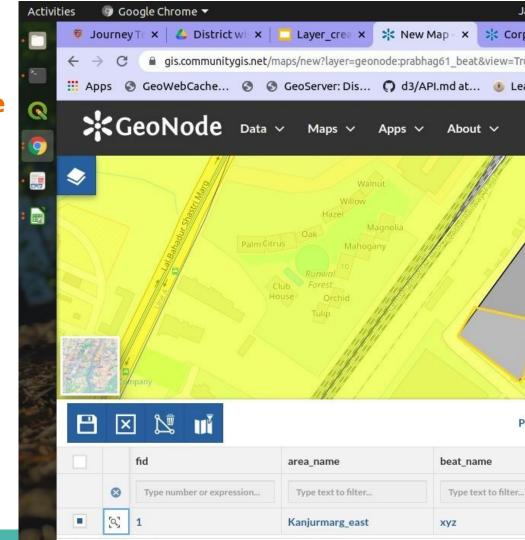
Now we need to make sure that the drawn polygon is approximately 8000 m. sq.

 Start drawing polygon on the drawn polygon. It will show the area in between of the polygon. (Here its showing ~40,000 m sq which is way more higher than our requirement which is 8000 m sq.)



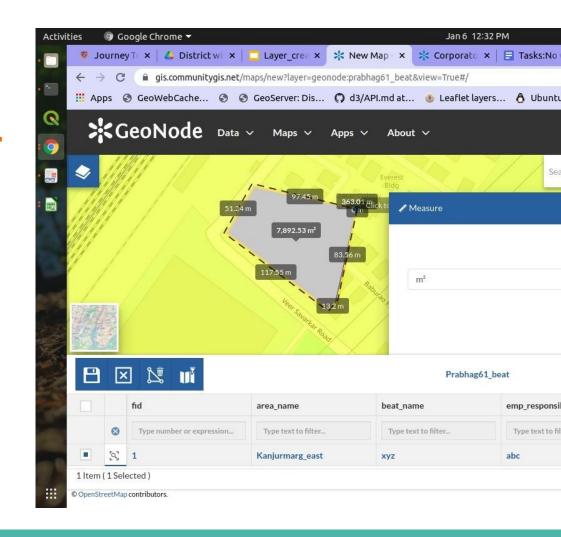
We need to edit the drawn polygon.

- Close the measure dialogue box
- Click on polygon's vertices and start reducing their lengths.



We need to edit the drawn polygon.

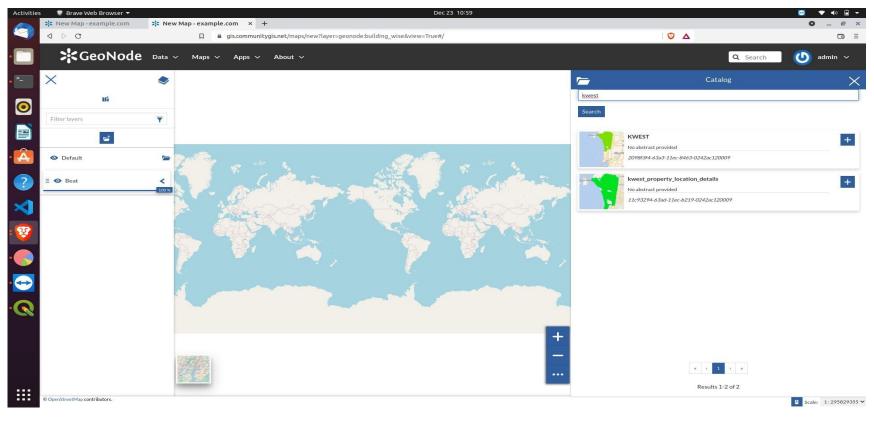
- Again measuring the area of reduced polygon.
- It's ~7800 m sq
- Close measure dialogue box.
- Click on save.



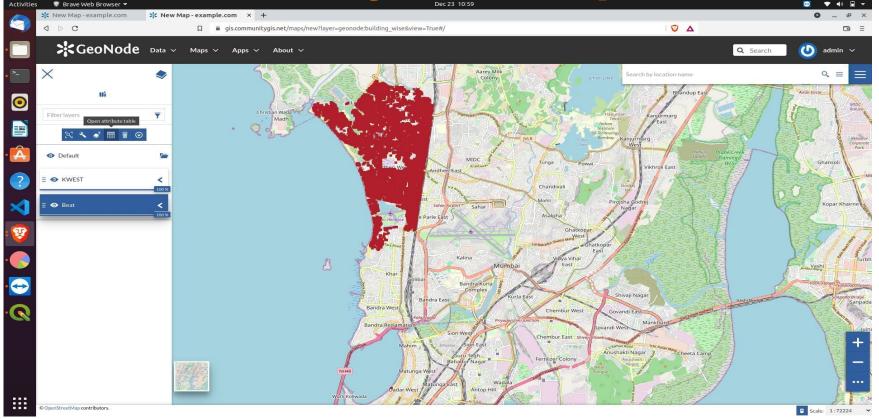
- Similarly you add more features(polygons)
- You can also Login later to edit layer and more features



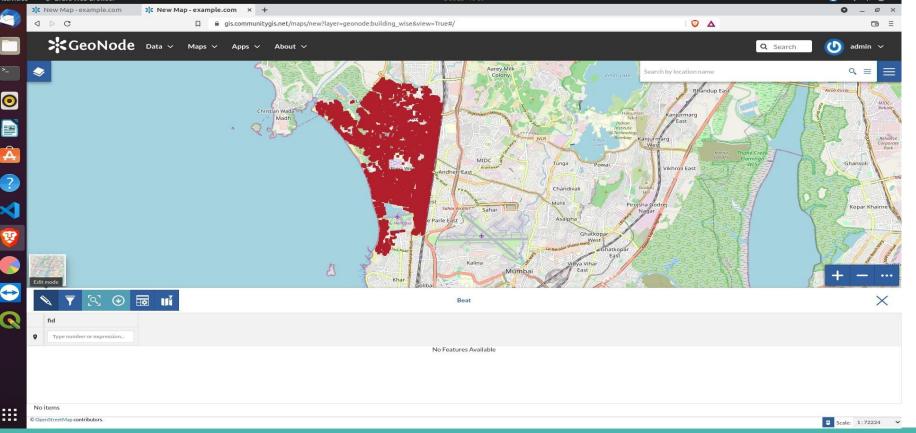
Add KWest layer to the map



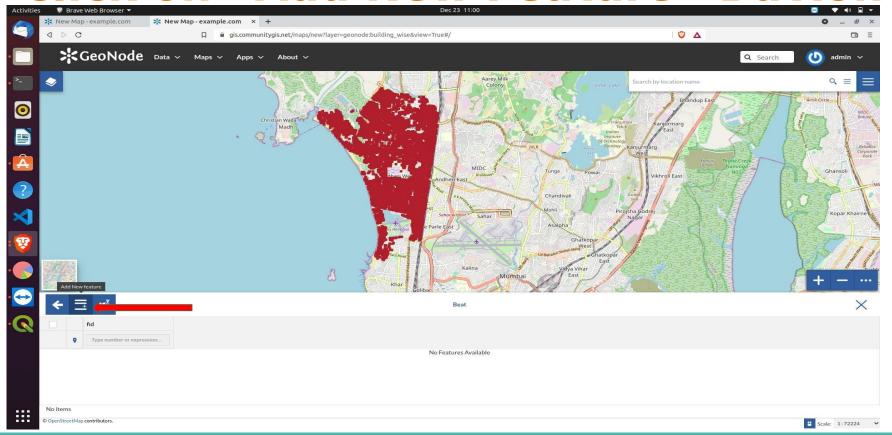
Select new layer and open attribute to



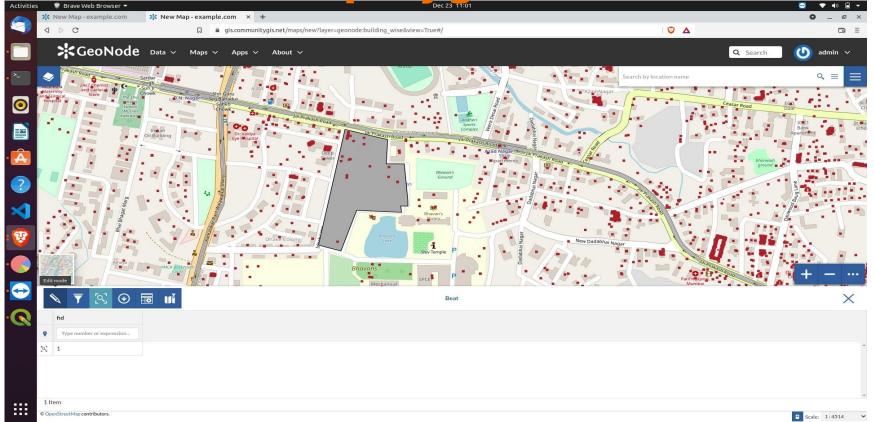
Click on edit mode button to add feat



Click on "Add New Feature" Button



Start creating geomet tivities New Map - example.com New Map - example.com × + 0 D C OA ☐ gis.communitygis.net/maps/new?layer=geonode:building_wise&view=True#/ **a** = **\$ GeoNode** Data ∨ Maps ∨ Apps ∨ About ∨ Q Search Aarey Milk Colony Q = Airoli Circle MIDC Chandivali Kopar Khairn Kalina Beat No Features Available © OpenStreetMap contributors. Scale: 1:72224 ✓ Create beat polygon and save



Thanks