

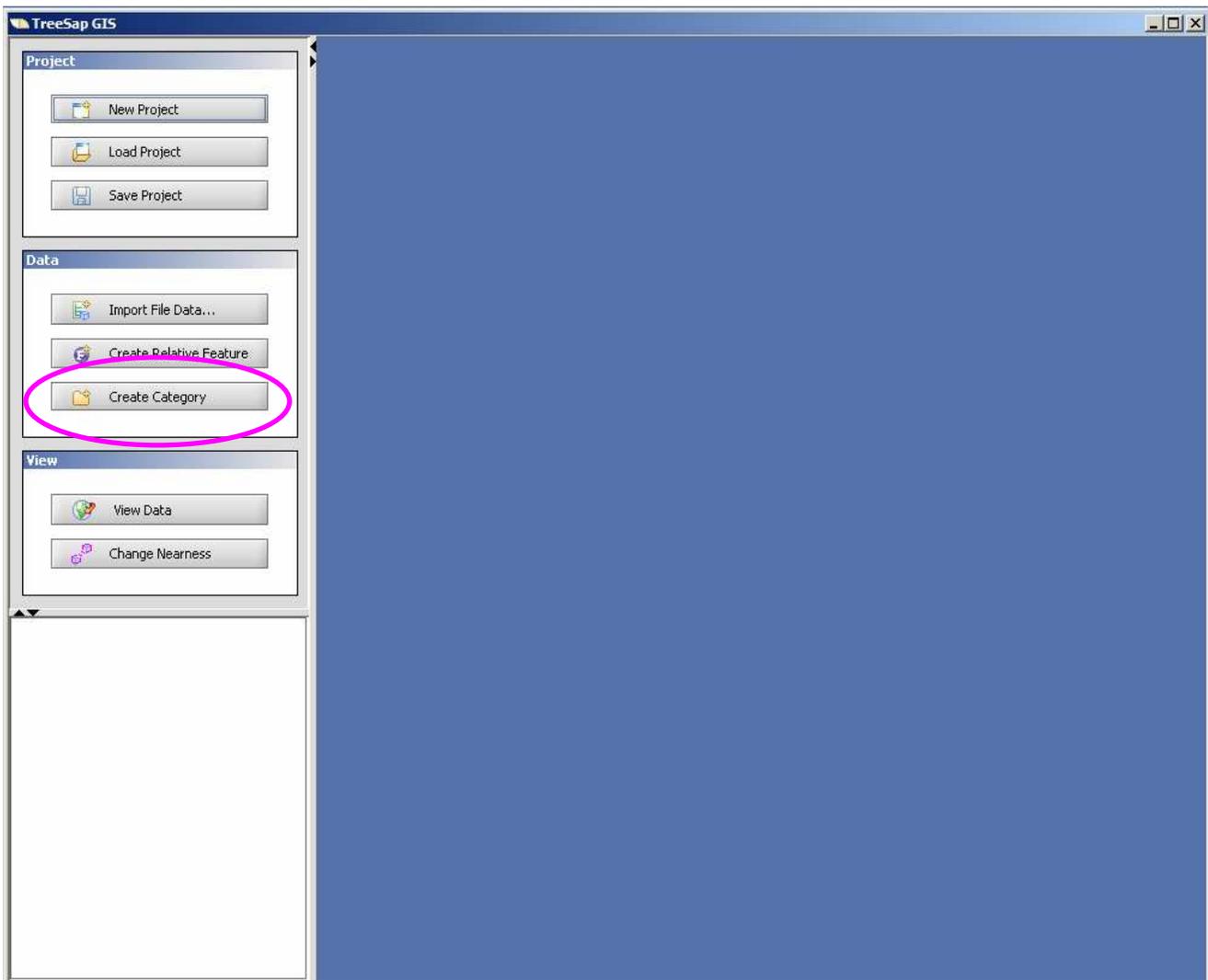
# Tutorial: Working with Projects

This tutorial steps through the creation of a project in TreeSap.

## CATEGORIES

- Feature data are stored in categories
- Categories also define the style for displaying features on a map

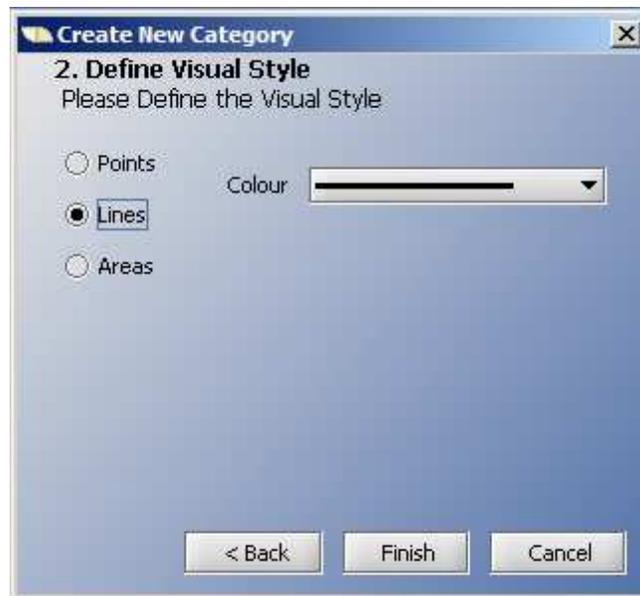
1. First we will create a category to represent roads as black lines on our map
  - Select the 'Create Category' button



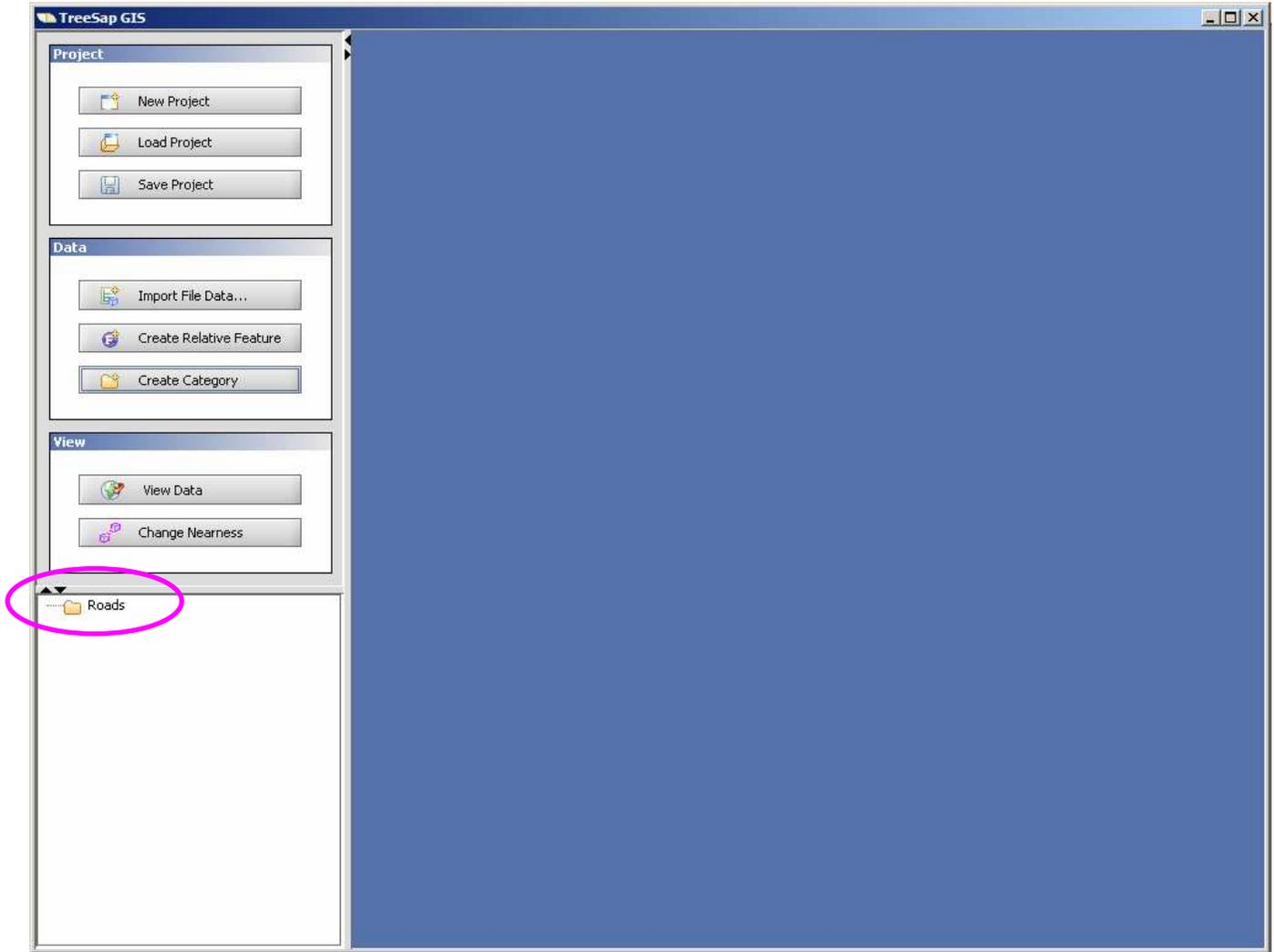
- Enter a category name
  - In this example use the name 'Roads'
  - Then click the 'Next' button



- Specify the category's style
  - In this example we will make a road display as a black line
  - Click on 'Lines'
  - Click on the 'Colour' box and select black

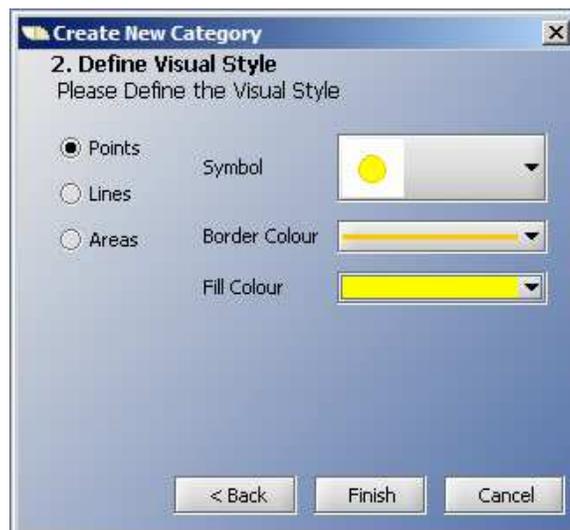


- We can now see that the 'Roads' category has been added to our project

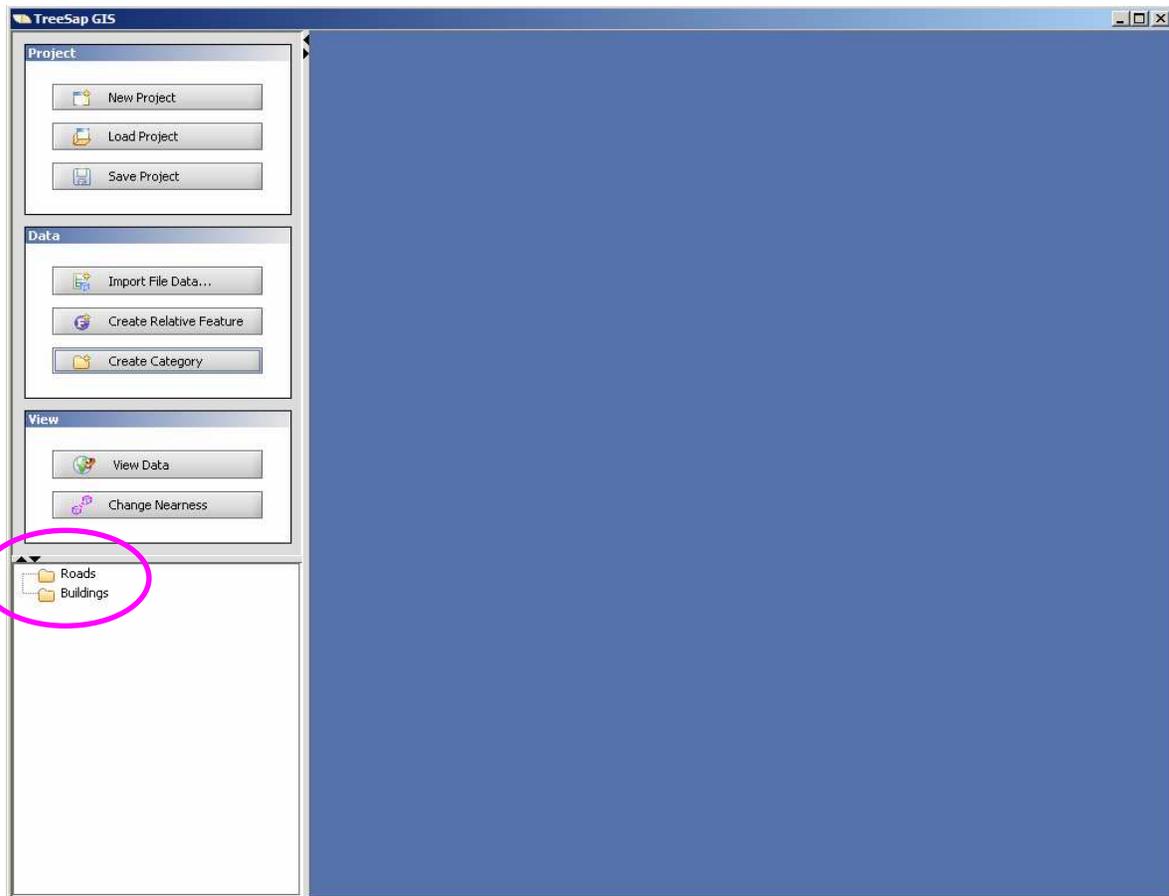


2. Now create another category to represent buildings as yellow circles, with an orange border

- Call it 'Buildings'
- We will now define the style
  - Click on 'Points'
  - Click on the 'Symbol' box and select the circle
  - Click on the 'Border Colour' box and select orange
  - Click on the 'Fill Colour' box and select yellow

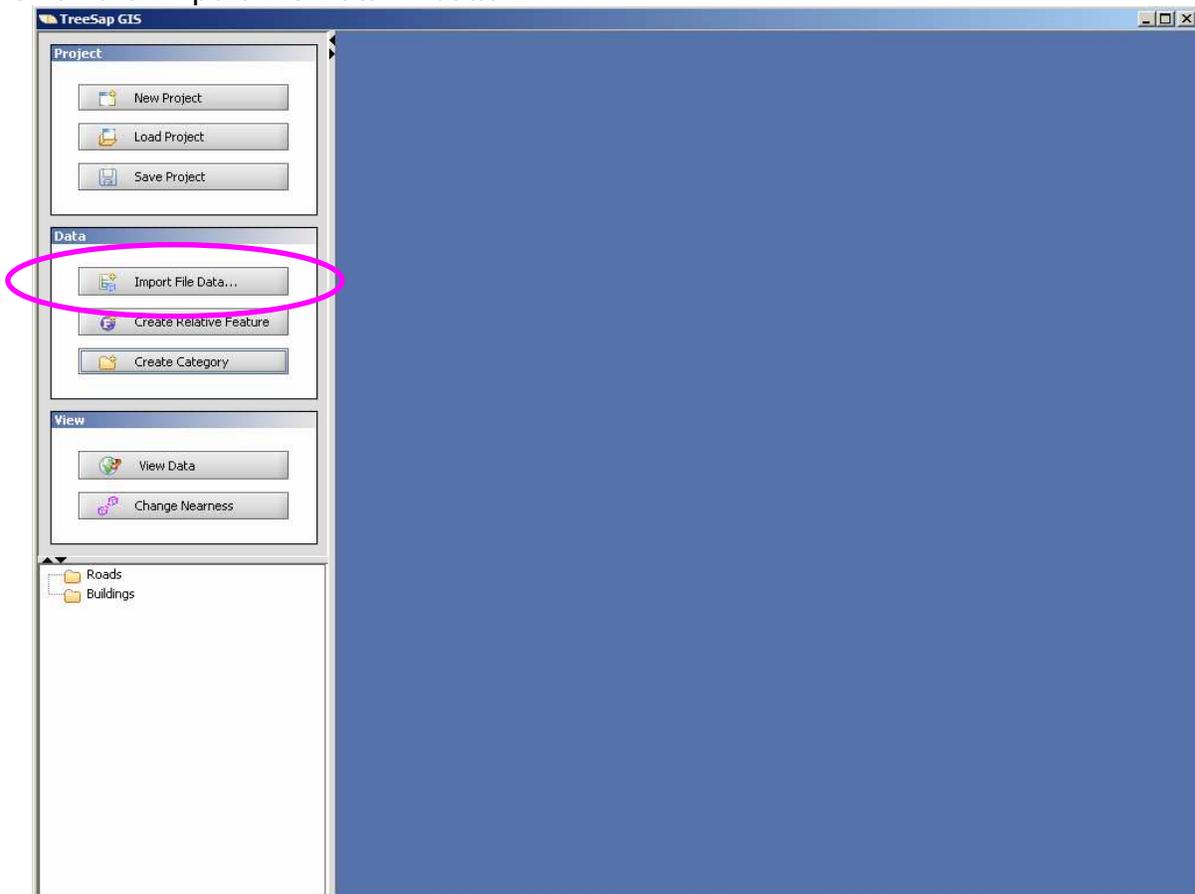


- Now we see that the 'Buildings' category has been added to our project

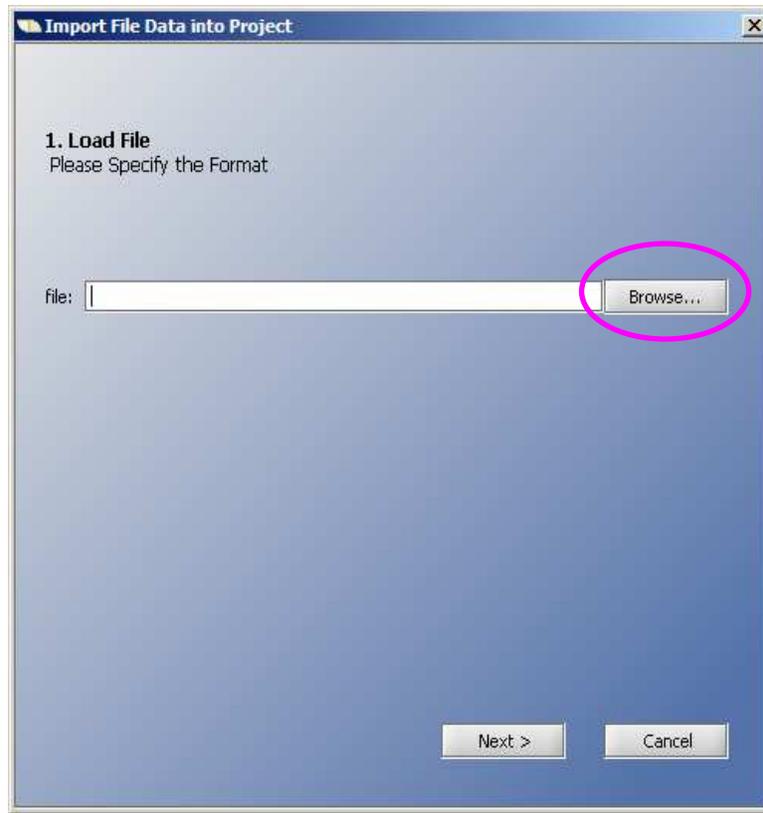


3. We will now import file data into our project

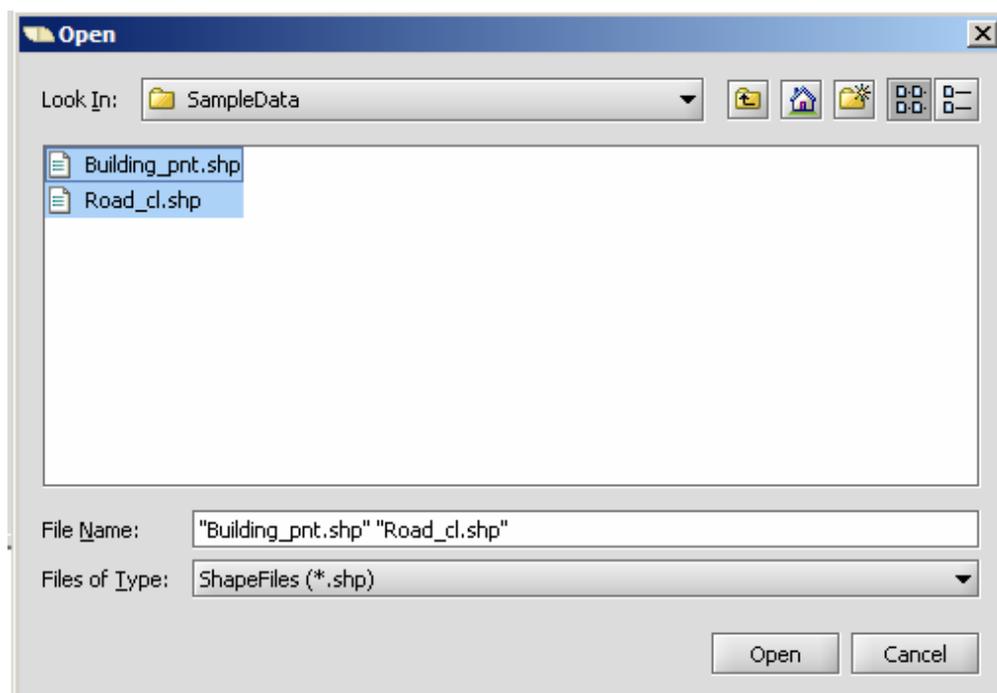
- Click on the 'Import File Data...' button



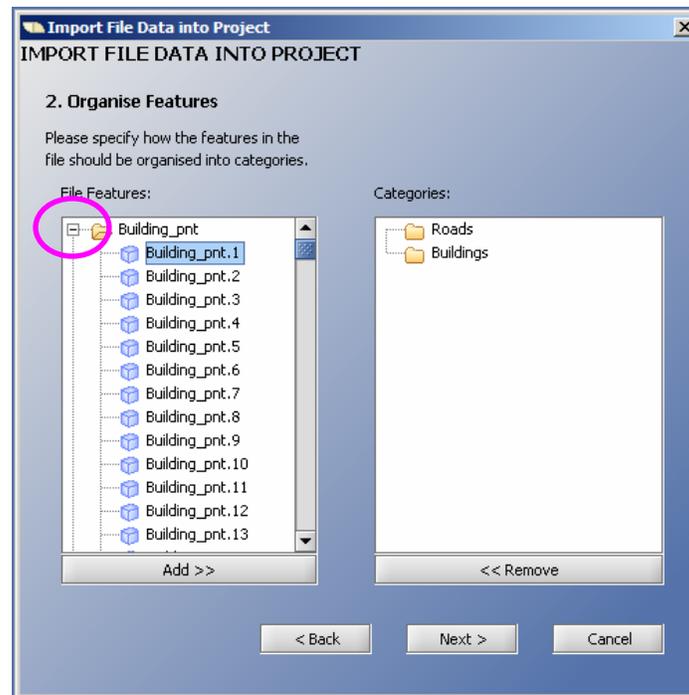
- Specify the files to load
  - Click on the 'Browse' button



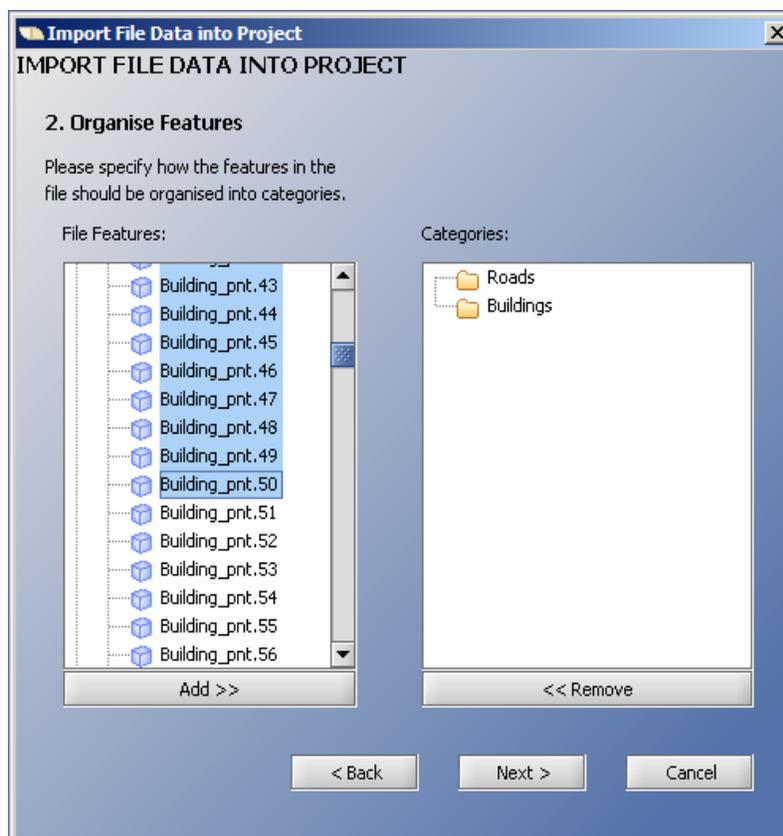
- Go to the directory
  - /Tutorial/SampleData/
- Select the files:
  - 'Roads\_cl.shp'
  - 'Buildings\_pnt.shp'
- Then click the 'Open' button



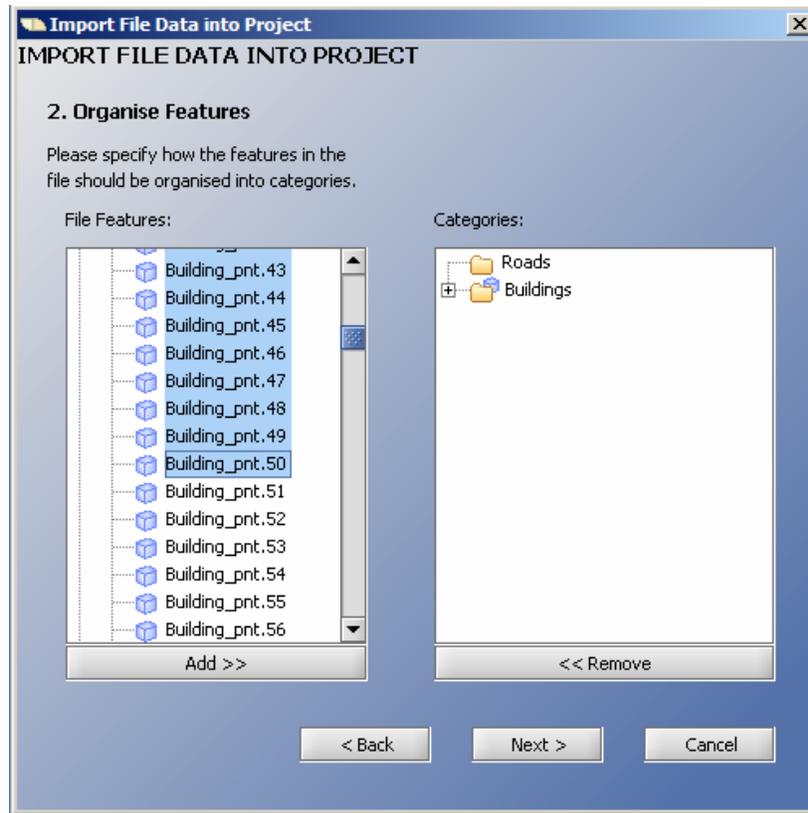
- Now we will specify what features we be placed in the categories – we will first move the ‘Building\_pnt’ data into the ‘Buildings’ category
  - Click on the ‘+’ symbol to the left of the ‘Building\_pnt’ (to see its contents)
  - Select the first entry (“Building\_pnt.1”)



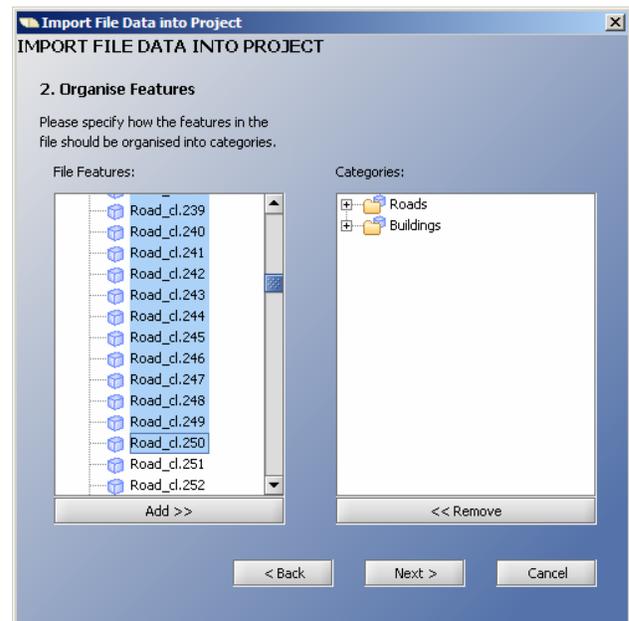
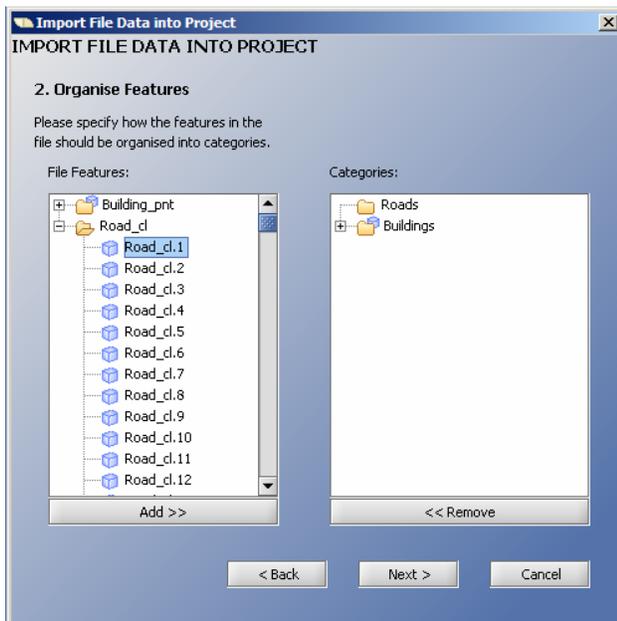
- Scroll down – then hold shift and click on the entry titled “Building\_pnt.50”
- This will select all entries between “Building\_pnt.1” and “Building\_pnt.50”



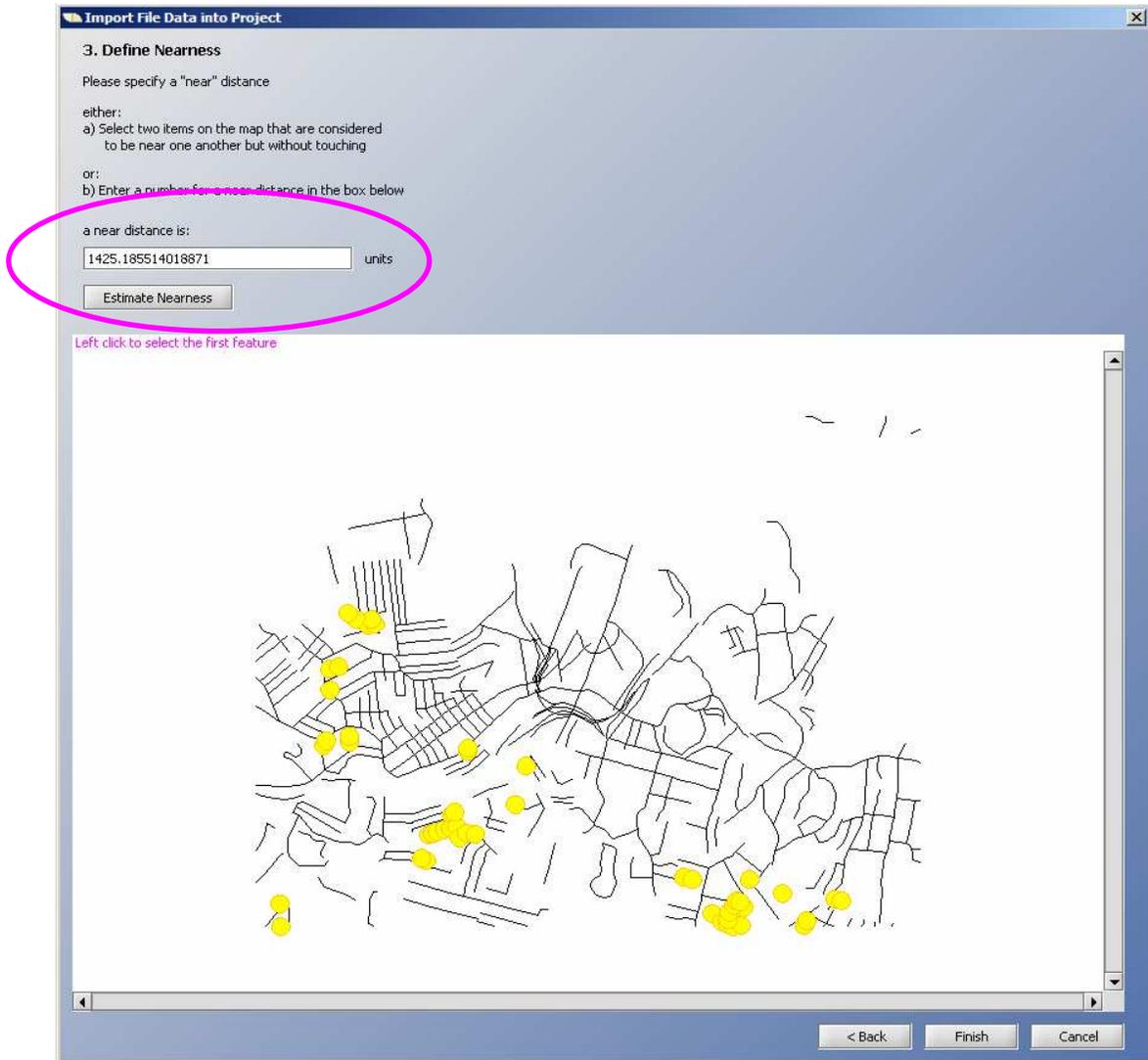
- Next, click and drag the selected items into the 'Buildings' category (on the right panel)
- A blue 'feature' symbol now appears under the 'Buildings' category to show that it now has some contents



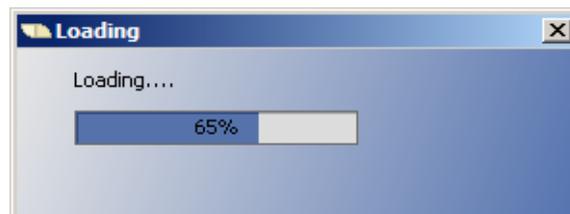
- Repeat this for roads – we will use entries from “Road\_cl.1” to “Road\_cl.250”
  - After doing this, click the 'Next' button



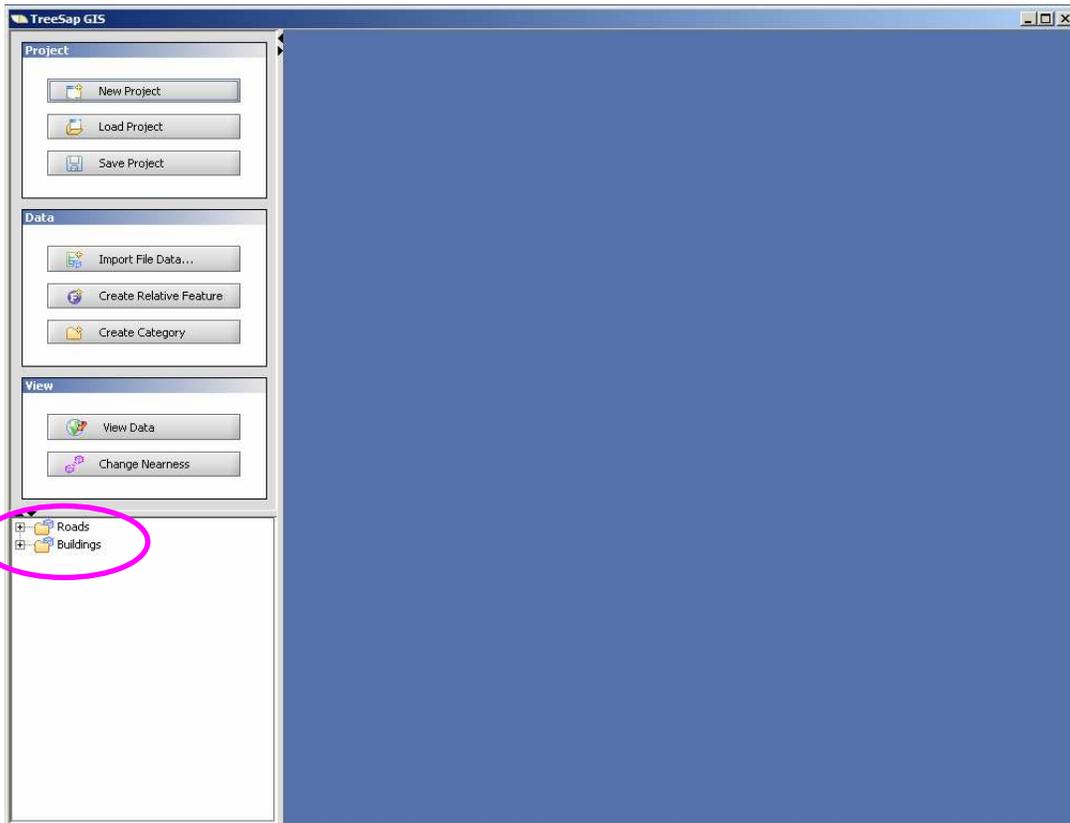
- We will now specify what a 'near' distance is
  - TreeSap automatically provides an estimate of a 'near' distance
  - If you choose, you can select two features on the map that you consider to be 'near' each other
  - Once a near distance has been established, click the 'Finish' button



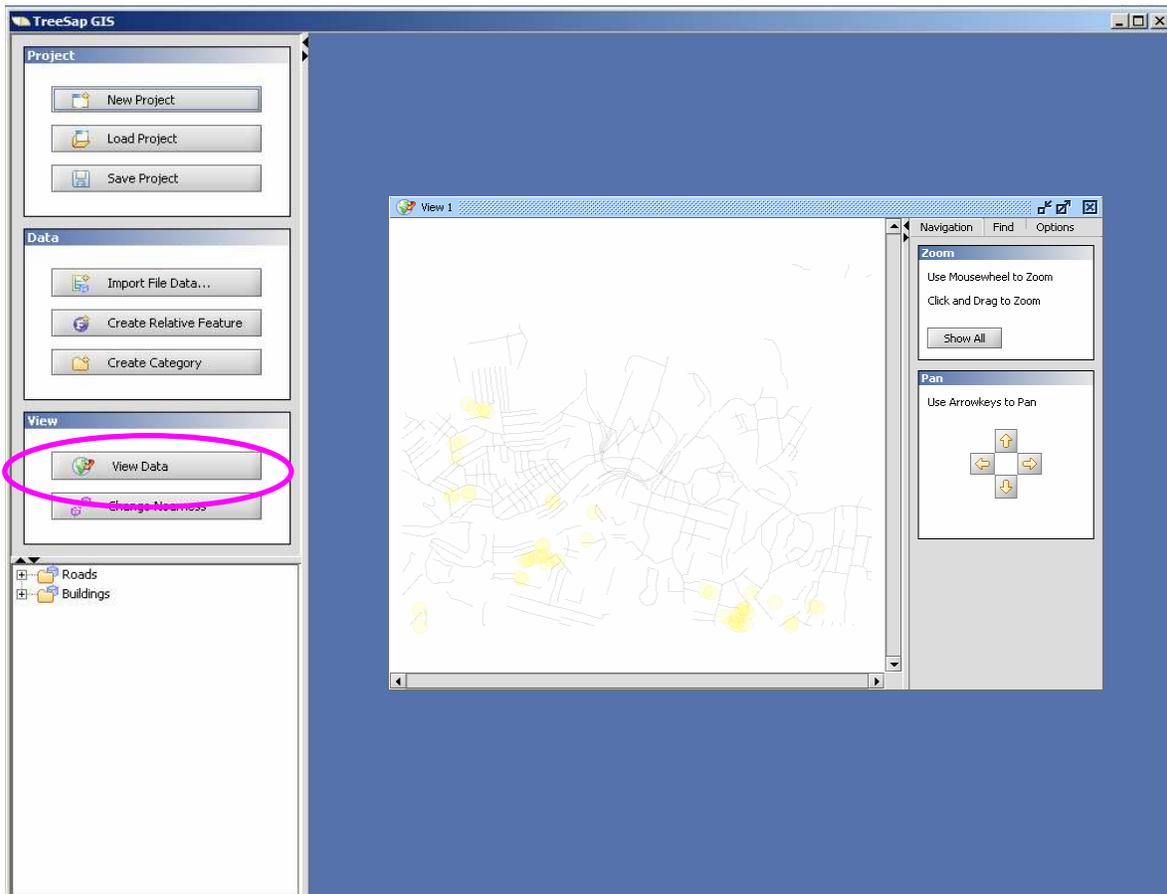
- TreeSap will now load the data into the project, and generate a 'relationship network' that is used for query support
  - The progress is indicated in a popup box



- We can now see that the project categories have soon features

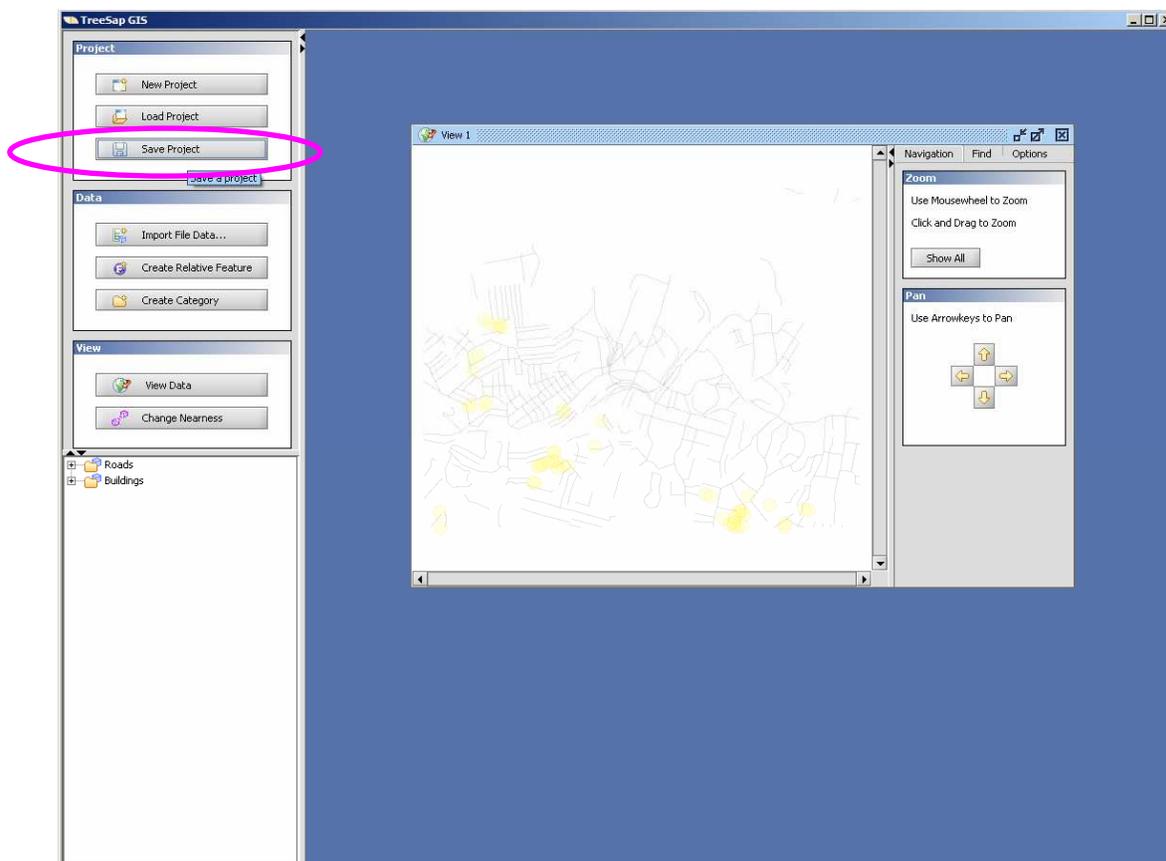


- We can open up a view of the data by clicking on the 'View Data' button
  - The data looks quite transparent at the moment – this is because we haven't yet specified what part of the data we want to look at
  - Querying is covered in the next tutorial "Querying Using TreeSap"

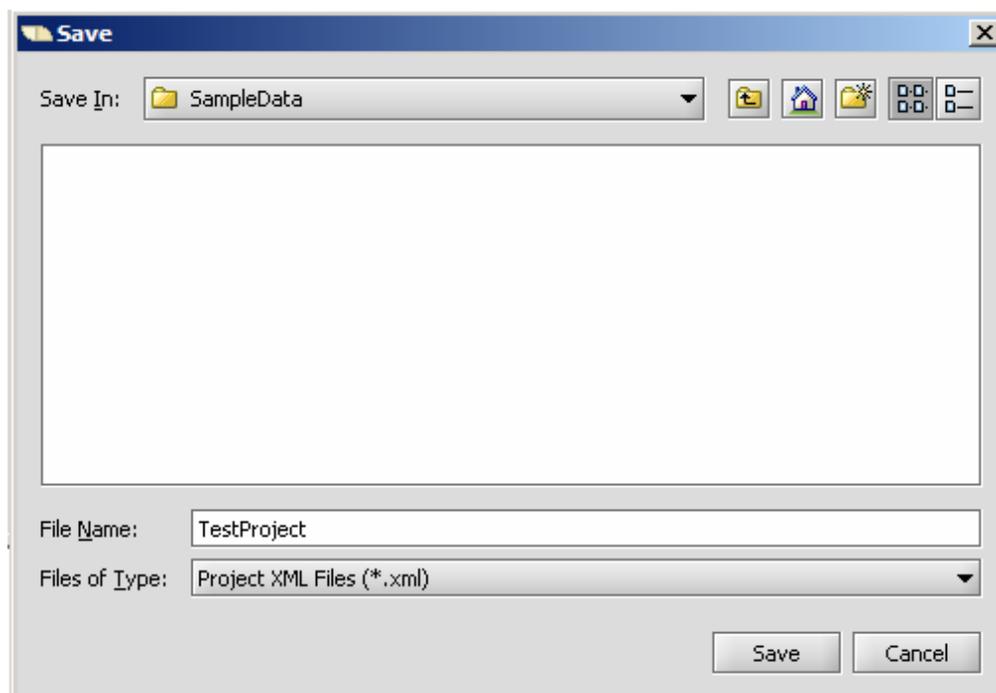


#### 4. We will now save our project

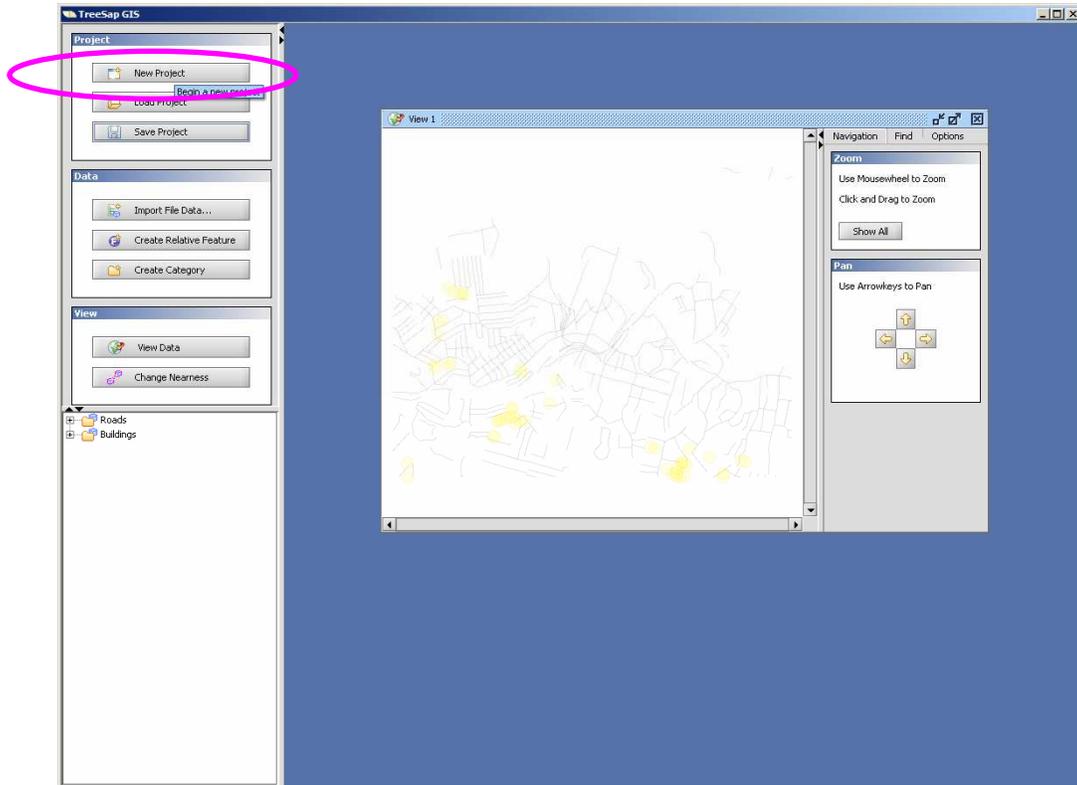
- Click on the 'Save Project' button



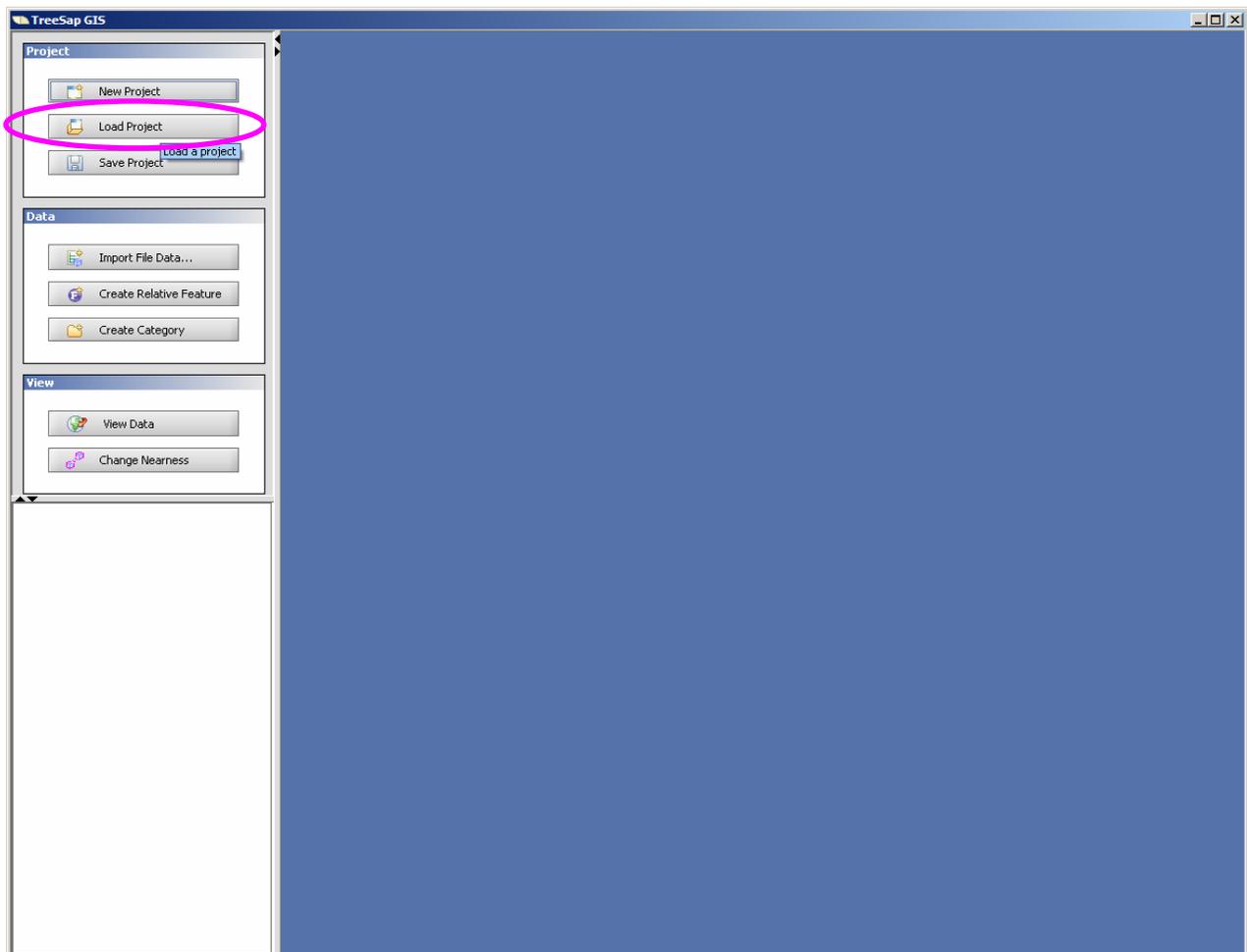
- Now specify a project file name
  - For example "TestProject"
  - The file will be saved as an XML file (with the .xml extension added automatically)
  - Click on the "Save" button



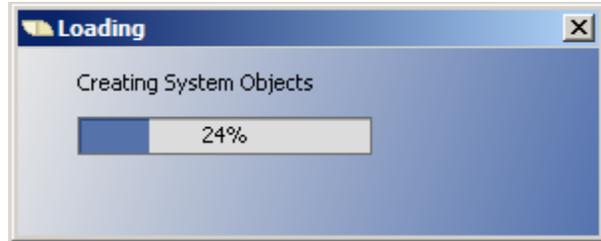
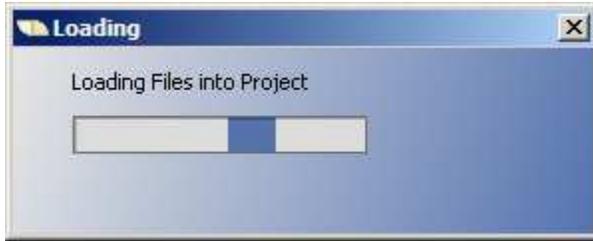
5. Now we will load this project back into TreeSap
- Click on “New Project” to close the current project



- Now click on “Load Project”
  - Select the project file that we created previously



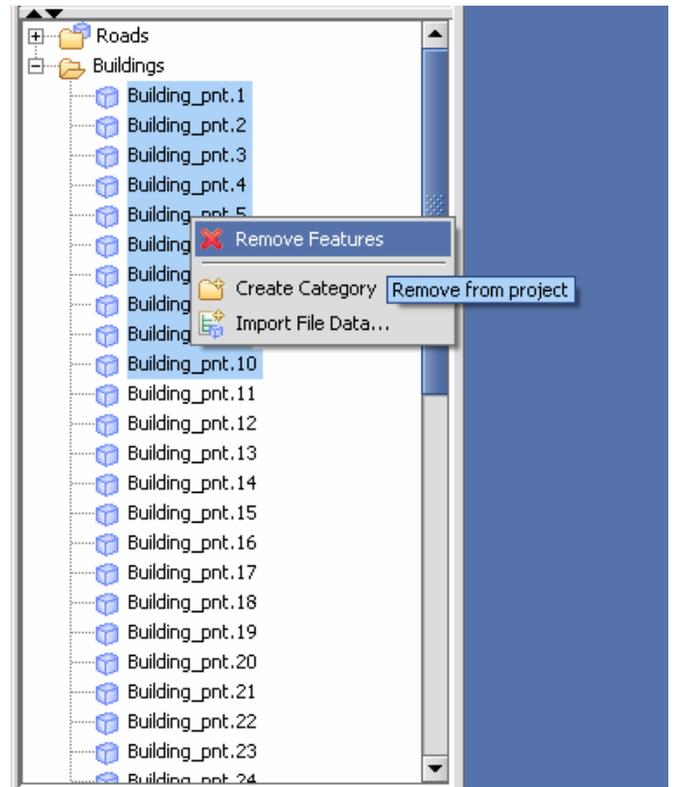
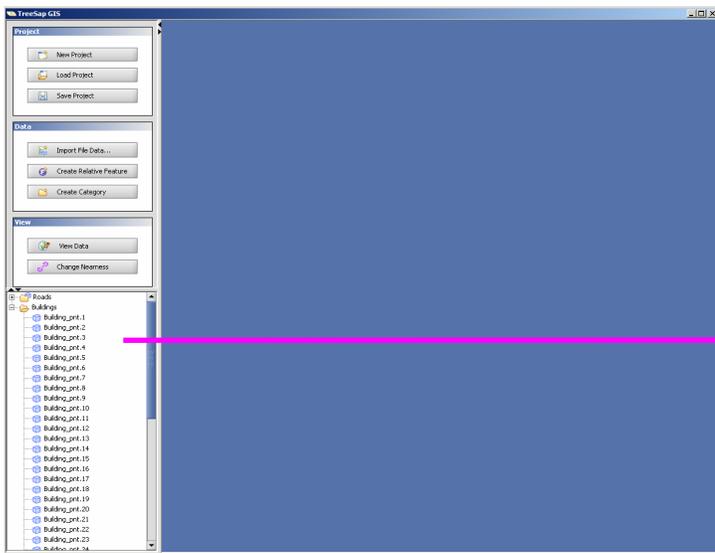
- The first phase involves loading the data from the files
- The following phase involves generating the relation network



- We can now see that the project has been loaded into the system

6. Now we will change the current project by editing category styles and names, and removing features

- To remove features from a category:
  - *right click* on the features (or a group of selected features)
  - Select "Remove features" from the menu



- To change the name or style of a category:
  - *right click* on the category
  - Select "Change name" or "Change style" from the menu

