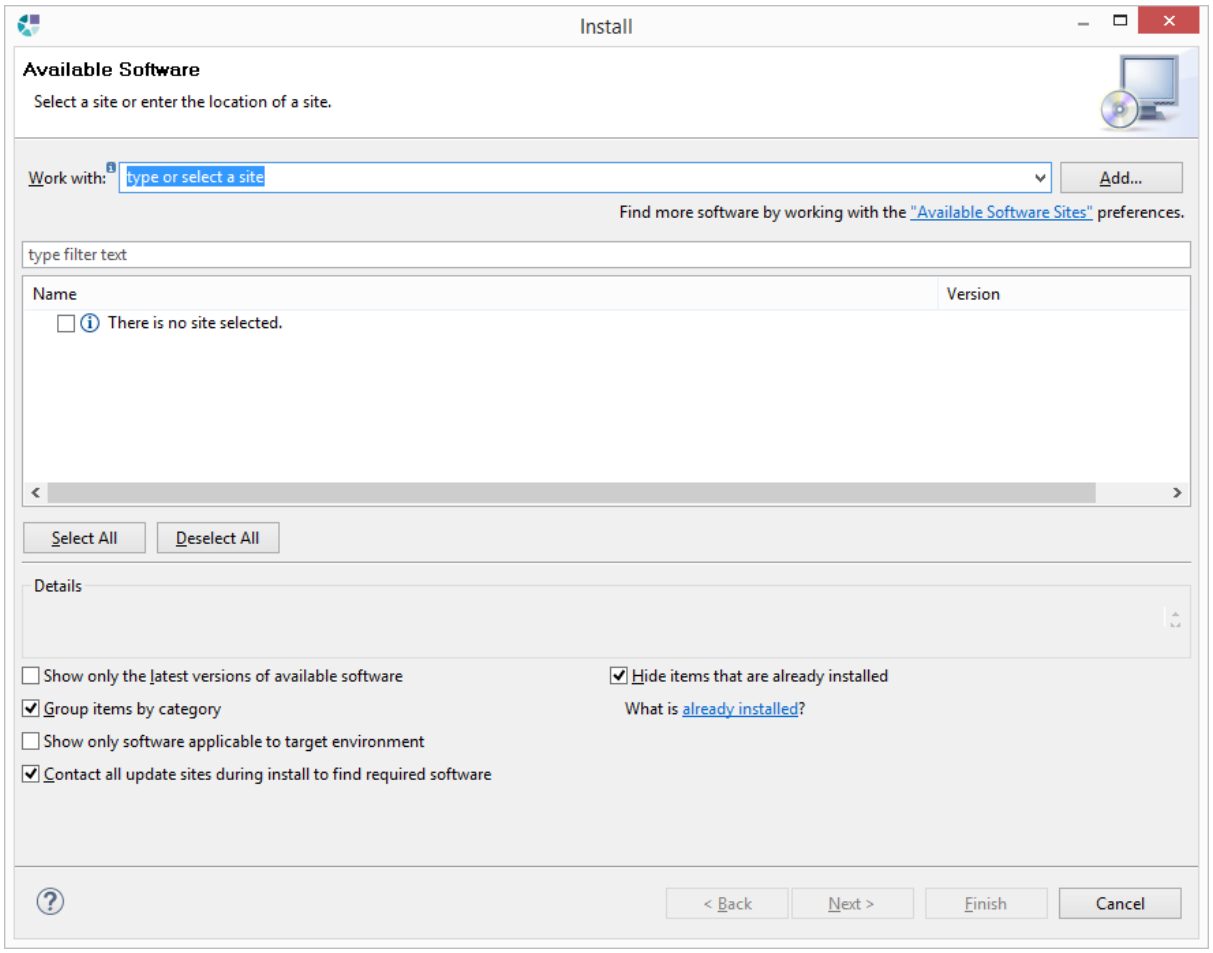
USER MANUAL FOR MFPMU

Contents

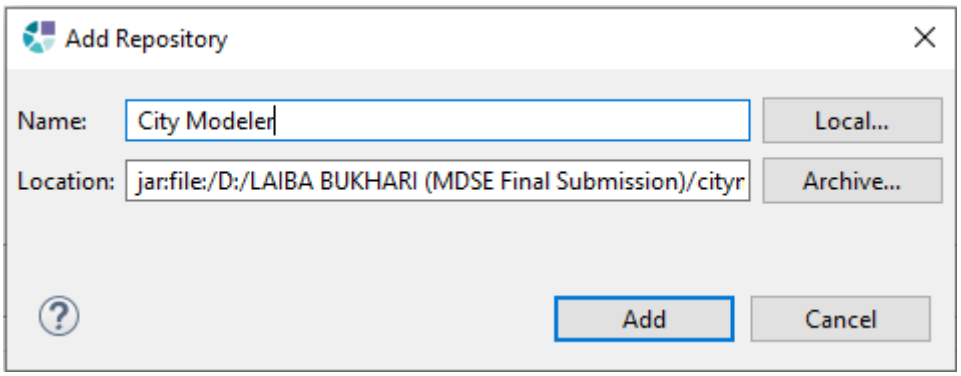
Section 1: USING CITYMODEL PLUGIN DIRECTLY

INSTALLATION OF THE PLUGIN

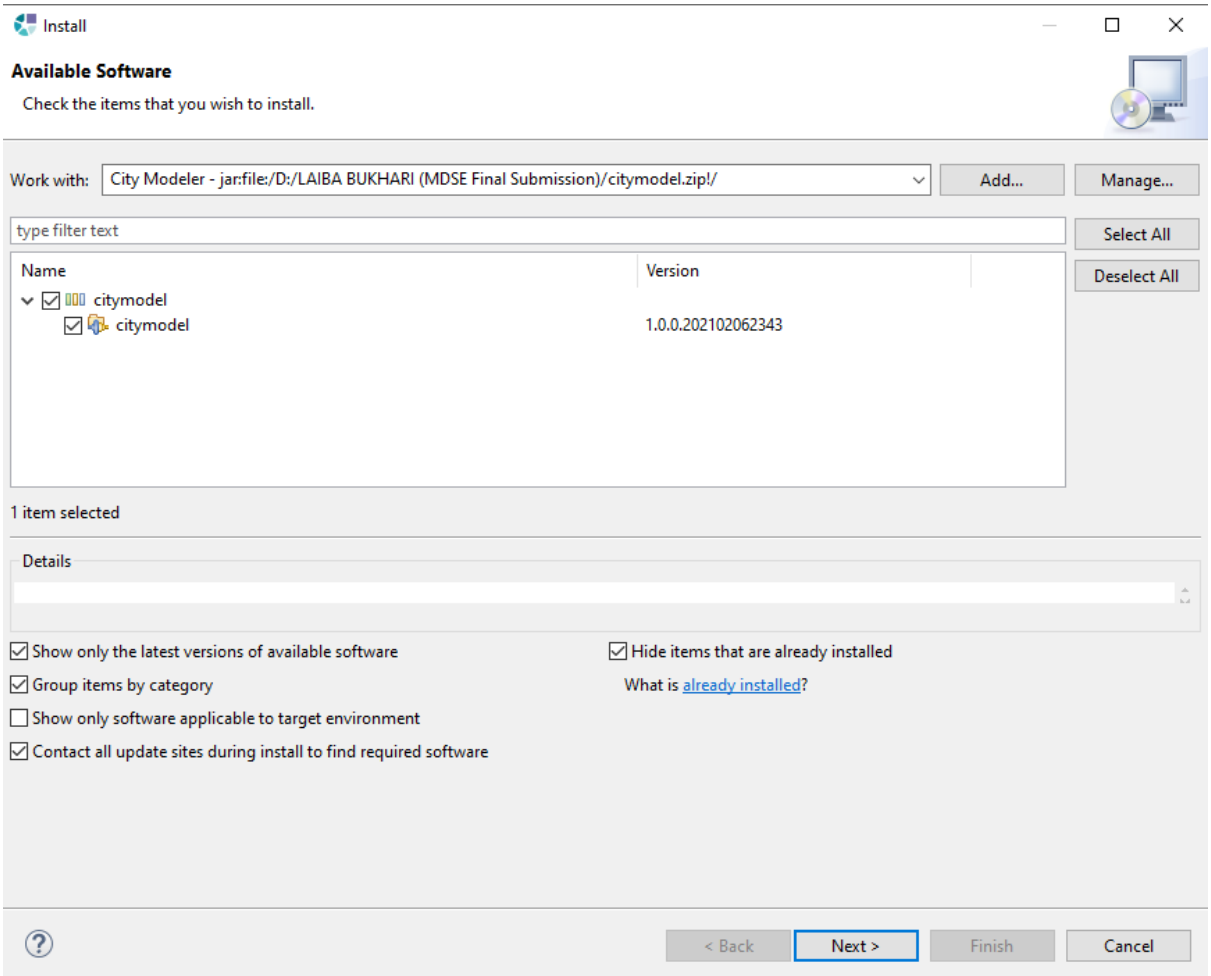
1. Install the modeler by opening your Eclipse environment and selecting **Help > Install New Software…**.



2. Click on **Add…** and fill the fields:
   - Name: City Modeler
   - Location: Click on "**Archive…**" button and retrieve the archive exported previously



3. Click on **Add** button.

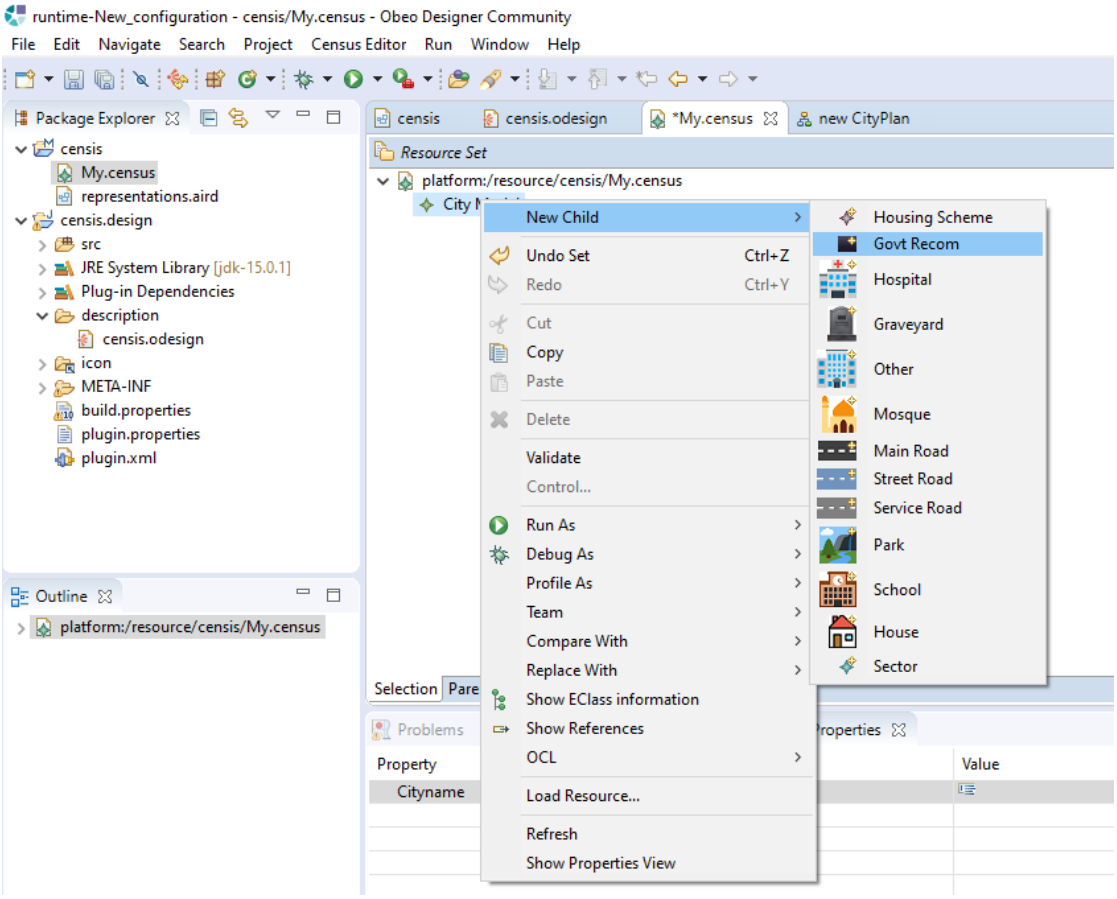


4. Click on **Next** button and follow instructions.
5. Restart the Sirius or Obeo Designer and select the viewpoint.
6. Use the modeler.

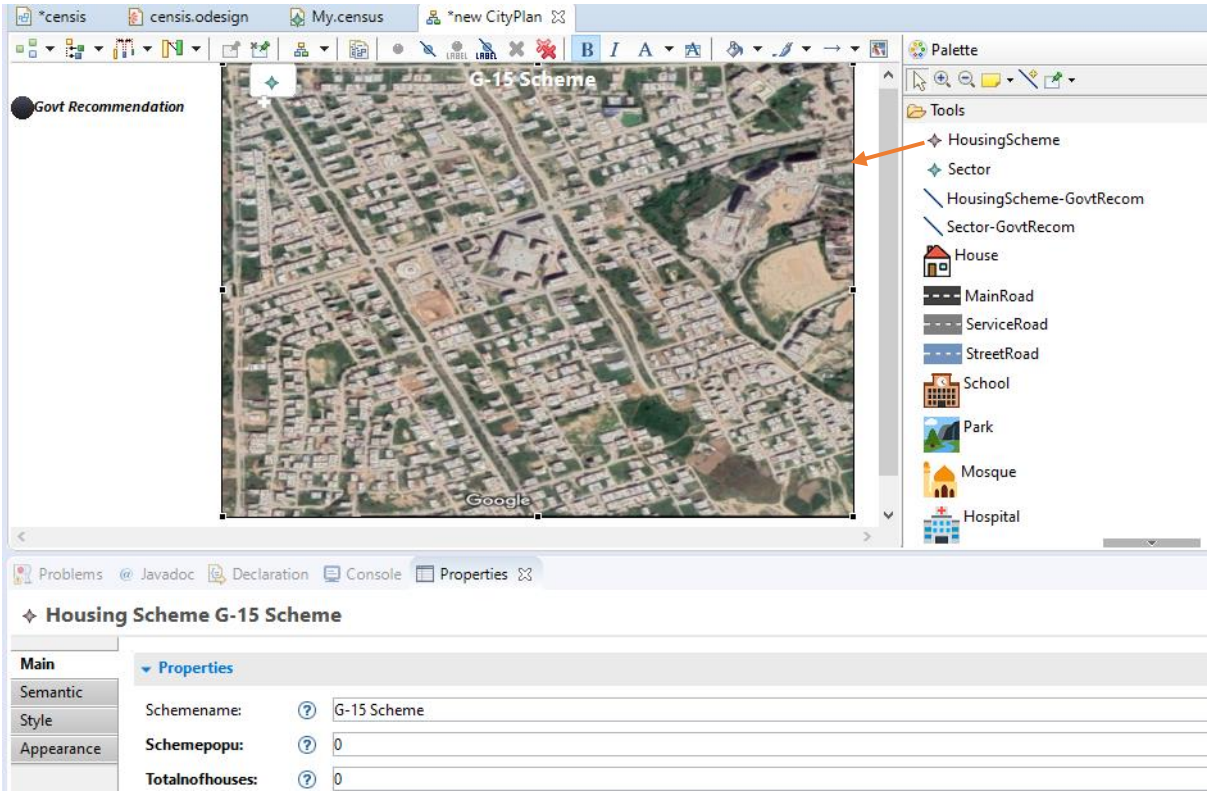
HOW TO USE THE SIRIUS TOOL

After installing the modeler, Sirius Graphical Workbench will open. To use the Sirius Graphical Tool, perform the following steps:

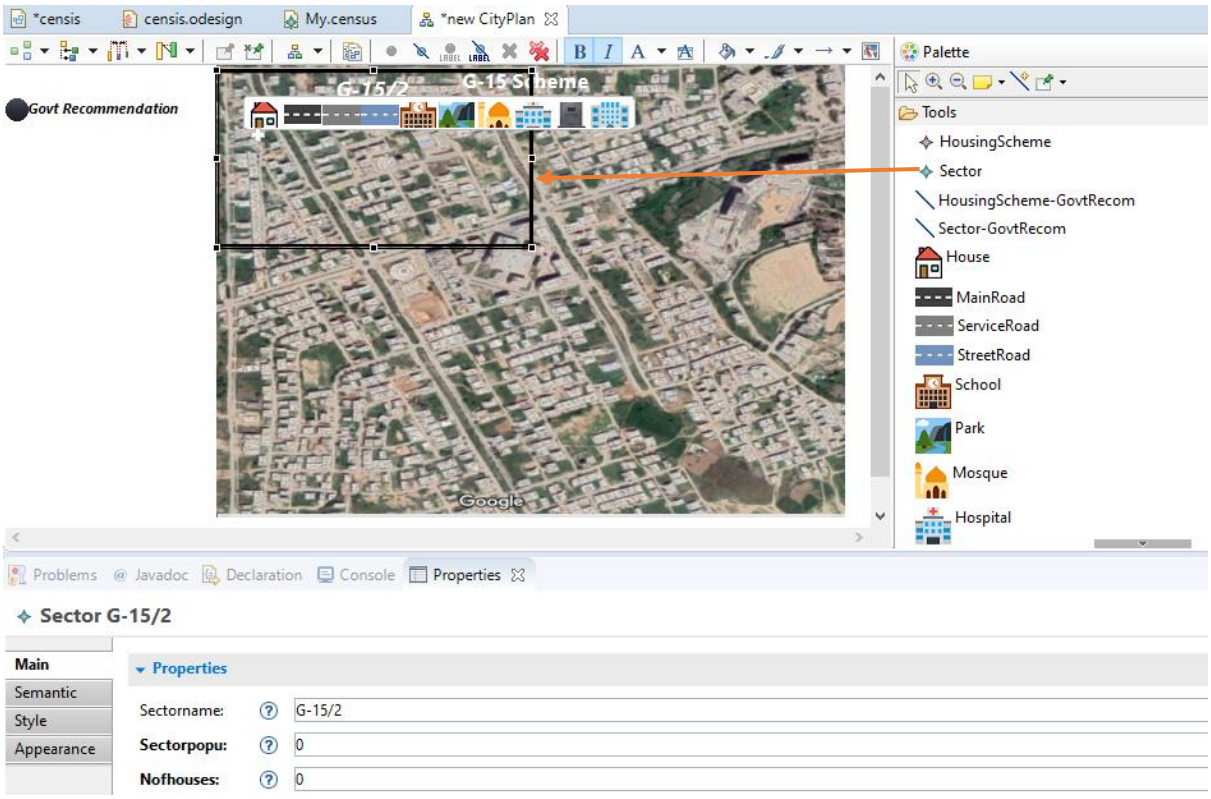
1. Located in **censis**, go to the tree-view in **My.census** and add a **New Child > Govt Recom**. *This step is necessary to be able to use Govt Recom in Sirius Tool.*



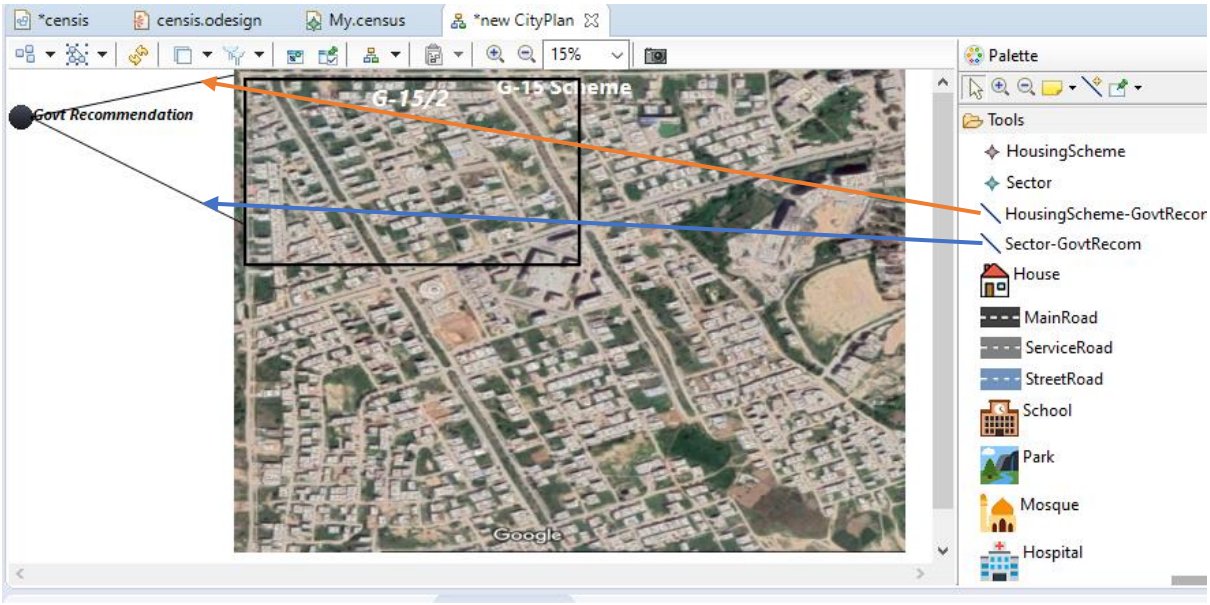
2. Go to the Sirius Graphical Workbench, and then drag and drop the Housing Scheme (which is a map). Give it a name.



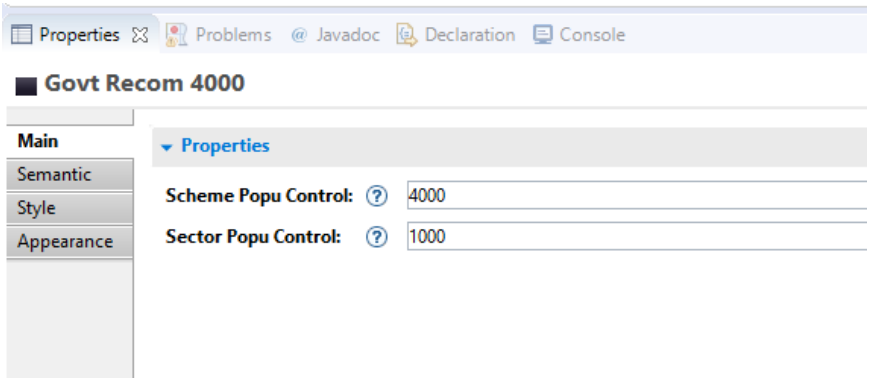
3. Drag and drop the Sectors one at a time onto the Housing Scheme. Adjust the size of each sector accordingly. Name each of them.



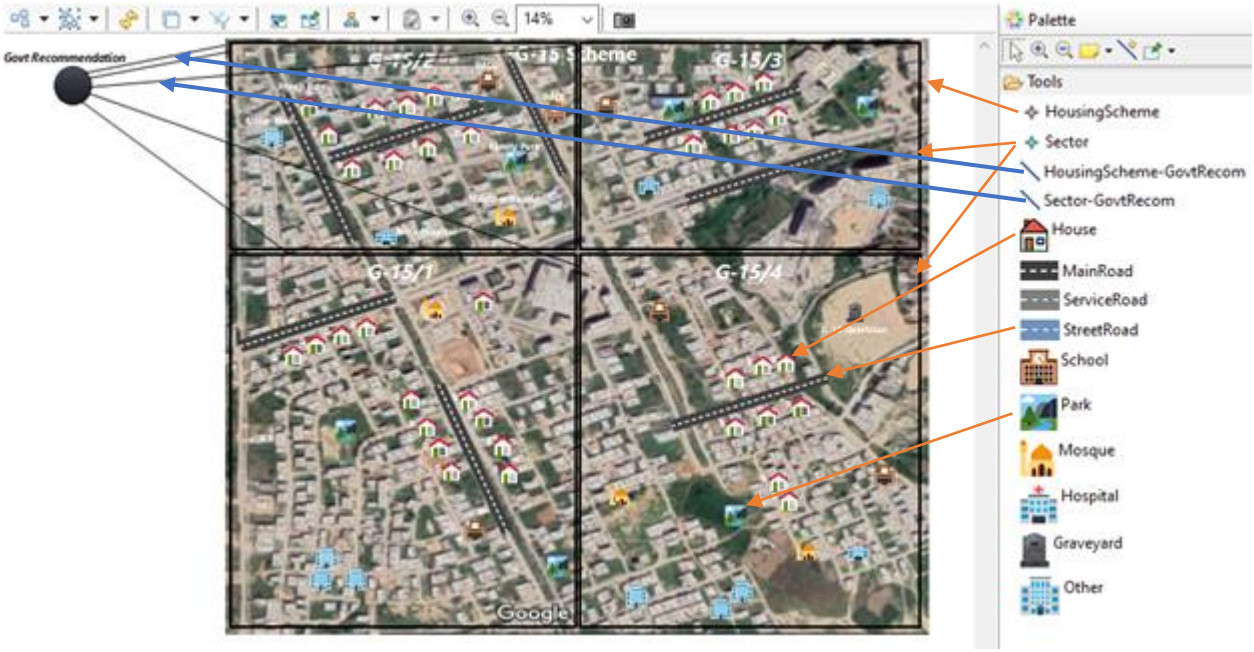
4. There is a Government Recommendation node already included in the M1 model. Click the HousingScheme-GovtRecom reference and connect Housing Scheme with the Government Recommendation Node. Similarly, attempt the same for each Sector and connect them to the Government Recommendation Node using Sector-GovtRecom reference.



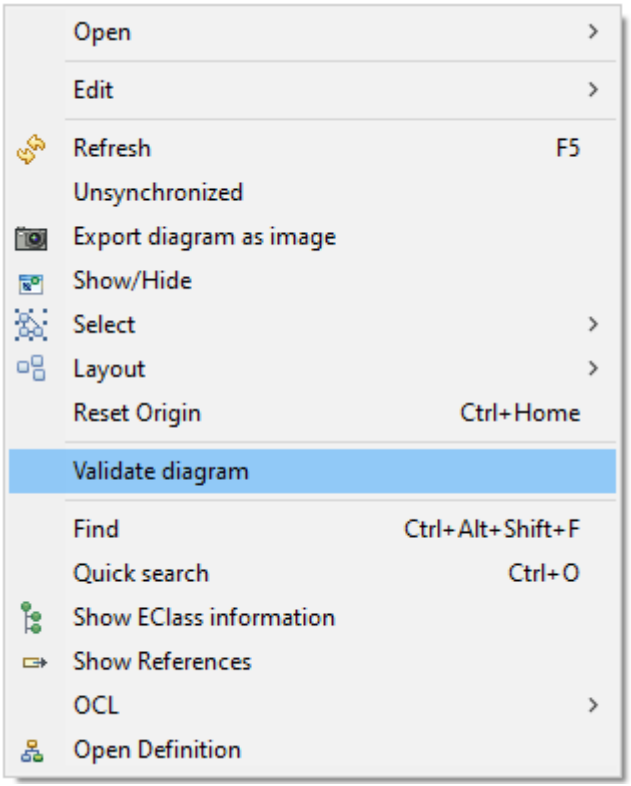
5. Now assign the values to the attributes of the Government Recommendation Node in properties which would be reflecting the government recommended population of a housing scheme and sector.



6. Drag and drop houses, roads, schools and other institutional facilities onto each sector. These will become the part of the sector they are dropped in as well as a part of the housing scheme. Note that any node e.g. a house that is a part of one sector or a housing scheme cannot be dragged and dropped to another sector or a housing scheme once it has become a part of the former.

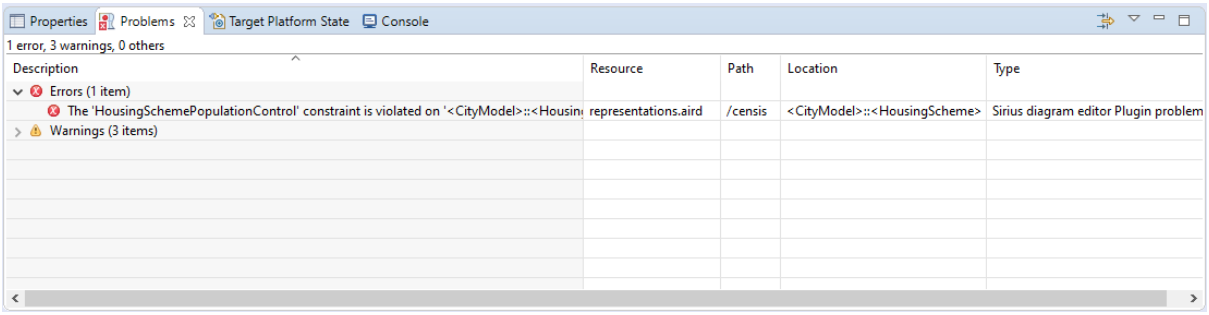


7. Set the names and other attributes of the dragged and dropped houses, roads and other nodes as you drop them onto the map. You can adjust their location on the map as per your liking anytime and you can also change their names and values at any point of time too.
8. After all the above steps are completed, save your model by pressing Ctrl+S. Right click, navigate to **Validate Diagram** as shown and click on it.



9. *No Error:* If the validation shows no errors, your model validates the constraints and follows government recommendation for population.

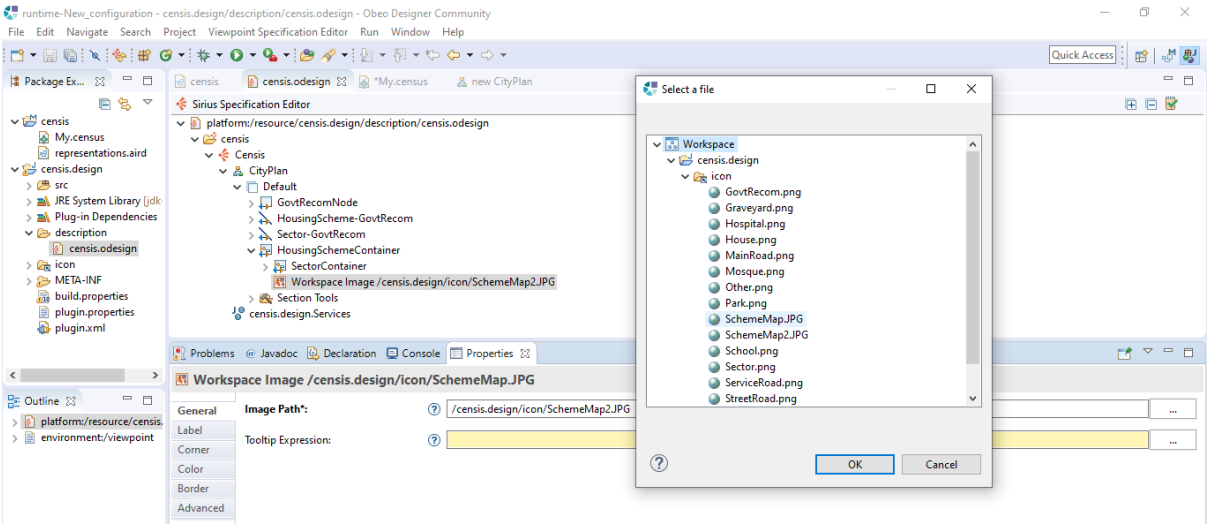
Error: If the validation shows one or more error, that means one or more constraint is violated. The validation of the model will show error by the respective name of the constraint violated as shown in the Figure No. 10. This will allow you to know which constraint is violated and therefore you can communicate to the authorities to perform respective preventive or corrective measures to manage and control the population.



Section 2: HOW TO CHANGE THE MAP

These steps are to be performed on the open course code to change the map of the Housing Scheme as per your requirement.

1. Go to **censis.design > description > censis.odesign**. Open it.
2. In Default, in **HousingSchemeContainer**, change the Image Path to the png/jpg/jpeg image of the map you want to perform analysis on.



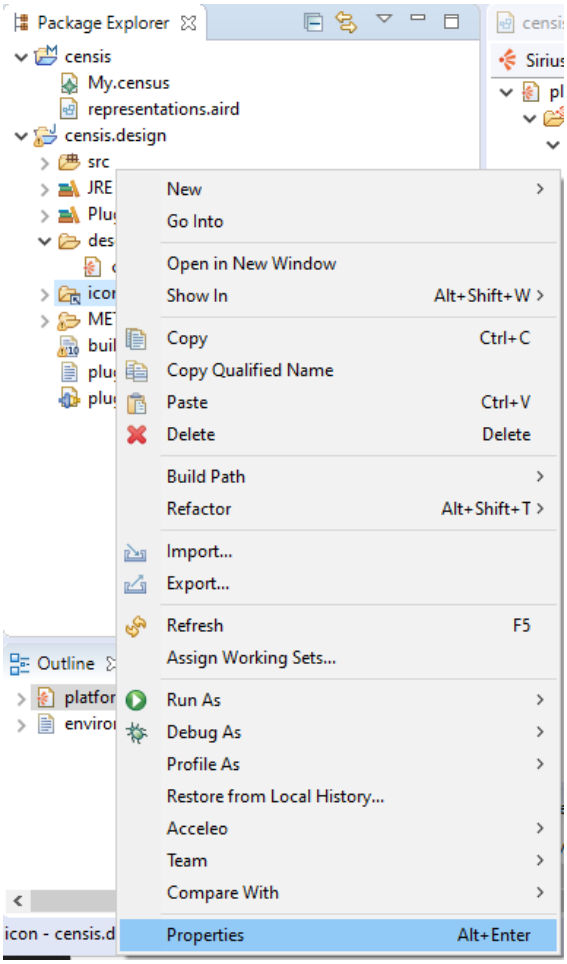
3. Save it by **Ctrl+S**. Refresh censis.design by right click and **Refresh**.

Your map is updated.

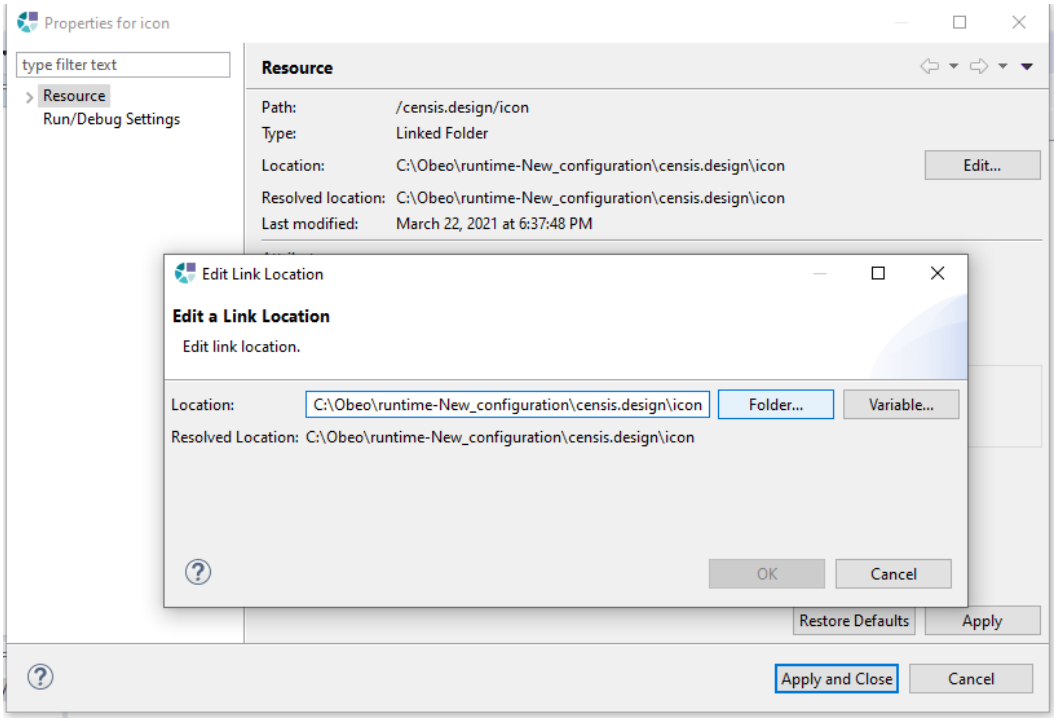
Section 3: ACCESSING THE SIRIUS ICONS / IMAGES

When you open the open source files, the icon folder may appear empty. To load it to the project, follow below steps to allow the icons to appear.

1. In the Package Explorer, right click the **icon** folder, and click **Properties**.



2. Click the **Edit**… button next to Location. A pop-up appears. Click **Folder…** button, then explore and select the icon folder with all the images that are to be used in Sirius Tool.



3. Click **Apply and Close**. Refresh the files.

The images will be loaded.